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| ARRABURY .....                     | FAC - A - 35 | BRISBANE .....                  | FAC - B - 43 |
| ATHERTON .....                     | FAC - A - 35 | BRISBANE WEST WELLCAMP .....    | FAC - B - 51 |
| AUGUSTA .....                      | FAC - A - 36 | BRISBANE/ARCHERFIELD .....      | FAC - B - 54 |
| AUGUSTUS DOWNS .....               | FAC - A - 36 | BROKEN HILL .....               | FAC - B - 61 |
| AURUKUN .....                      | FAC - A - 37 | BROMELTON .....                 | FAC - B - 62 |
| AUST AGE OF DINOSAURS MUSEUM ..... | FAC - A - 38 | BROOKLET/BLUEBERRY FIELDS ..... | FAC - B - 62 |
| AVALON .....                       | FAC - A - 39 | BROOME/INTL .....               | FAC - B - 63 |
| AYERS ROCK/CONNELLAN .....         | FAC - A - 41 | BROWNS RANGE .....              | FAC - B - 66 |
| AYR .....                          | FAC - A - 44 | BROWSE BASIN .....              | FAC - B - 67 |
| BACCHUS MARSH .....                | FAC - B - 1  | BRUNY ISLAND .....              | FAC - B - 67 |
| BADU ISLAND .....                  | FAC - B - 1  | BUNBURY .....                   | FAC - B - 68 |
| BAIRNSDALE .....                   | FAC - B - 2  | BUNDABERG .....                 | FAC - B - 69 |
| BALCANOONA .....                   | FAC - B - 3  | BURKETOWN .....                 | FAC - B - 71 |
| BALGO HILL .....                   | FAC - B - 3  | BUSSELTON .....                 | FAC - B - 72 |
| BALLARAT .....                     | FAC - B - 4  | CABOOLTURE .....                | FAC - C - 1  |
| BALLERA .....                      | FAC - B - 5  | CADNEY HOMESTEAD .....          | FAC - C - 2  |
| BALLIDU .....                      | FAC - B - 6  | CAIGUNA .....                   | FAC - C - 2  |
| BALLINA/BYRON GATEWAY .....        | FAC - B - 6  | CAIRNS/CAIRNS INTL .....        | FAC - C - 3  |
| BALRANALD .....                    | FAC - B - 9  | CALOUNDRA .....                 | FAC - C - 8  |
| BAMYILI .....                      | FAC - B - 10 | CALVIN GROVE .....              | FAC - C - 9  |
| BARADINE .....                     | FAC - B - 10 | CAMDEN .....                    | FAC - C - 10 |
| BARALABA .....                     | FAC - B - 11 | CAMDEN HAVEN .....              | FAC - C - 13 |
| BARCADDINE .....                   | FAC - B - 11 | CAMOOWEAL .....                 | FAC - C - 13 |
| BARIMUNYA .....                    | FAC - B - 12 | CANBERRA .....                  | FAC - C - 14 |
| BARRACOUTA PLATFORM .....          | FAC - B - 13 | CAPE LEVEQUE .....              | FAC - C - 22 |
| BARROW ISLAND .....                | FAC - B - 14 | CAPE PRESTON .....              | FAC - C - 23 |
| BARWON FIELD .....                 | FAC - B - 15 | CAPELLA .....                   | FAC - C - 24 |
| BARWON HEADS/GEELONG .....         | FAC - B - 16 | CARAVONICA .....                | FAC - C - 25 |
| BARYULGIL .....                    | FAC - B - 16 | CARDWELL/DALLACHY .....         | FAC - C - 25 |
| BATHURST .....                     | FAC - B - 17 | CARNARVON .....                 | FAC - C - 25 |
| BATHURST ISLAND .....              | FAC - B - 19 | CAROSUE DAM .....               | FAC - C - 27 |
| BATMAN PARK HELIPORT .....         | FAC - B - 20 | CARRAPATEENA .....              | FAC - C - 28 |
| BEAUFORT .....                     | FAC - B - 20 | CASINO .....                    | FAC - C - 28 |
| BEDOURIE .....                     | FAC - B - 21 | CASTERTON .....                 | FAC - C - 29 |
| BELLBURN .....                     | FAC - B - 22 | CEDUNA .....                    | FAC - C - 30 |
| BELLEVUE .....                     | FAC - B - 22 | CENTURY MINE .....              | FAC - C - 31 |
| BELYANDU/LABONA .....              | FAC - B - 23 | CESSNOCK .....                  | FAC - C - 32 |
| BENALLA .....                      | FAC - B - 24 | CHARLEVILLE .....               | FAC - C - 33 |
| BENDIGO .....                      | FAC - B - 26 | CHARLIE ONE .....               | FAC - C - 34 |
| BETOOTA .....                      | FAC - B - 27 | CHARTERS TOWERS .....           | FAC - C - 35 |
| BEVERLEY (WA) .....                | FAC - B - 27 | CHILLAGOE .....                 | FAC - C - 36 |
| BEVERLEY MINE .....                | FAC - B - 28 | CHINCHILLA .....                | FAC - C - 37 |
| BINDOON HILL .....                 | FAC - B - 29 | CHRISTMAS CREEK .....           | FAC - C - 38 |
| BIRCHIP .....                      | FAC - B - 29 | CHRISTMAS ISLAND .....          | FAC - C - 39 |
| BIRDSVILLE .....                   | FAC - B - 30 | CLARE VALLEY .....              | FAC - C - 41 |

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| CLERMONT .....                | FAC - C - 42 | DOOMADGEE .....              | FAC - D - 21 |
| CLEVE .....                   | FAC - C - 43 | DORUNDA STATION .....        | FAC - D - 22 |
| CLIFTON .....                 | FAC - C - 44 | DROUIN .....                 | FAC - D - 23 |
| CLONCURRY .....               | FAC - C - 45 | DRYSDALE RIVER .....         | FAC - D - 23 |
| CLUNY .....                   | FAC - C - 46 | DUBBO .....                  | FAC - D - 24 |
| COBAR .....                   | FAC - C - 46 | DUKETON GOLD .....           | FAC - D - 25 |
| COBDEN .....                  | FAC - C - 47 | DUMBLEYUNG .....             | FAC - D - 26 |
| COCKATOO ISLAND .....         | FAC - C - 48 | DUNBAR .....                 | FAC - D - 27 |
| COCONUT ISLAND .....          | FAC - C - 48 | DUNK ISLAND .....            | FAC - D - 27 |
| COCOS (KEELING) ISLANDS ..... | FAC - C - 49 | DUNWICH .....                | FAC - D - 28 |
| COEN .....                    | FAC - C - 51 | DURHAM DOWNS .....           | FAC - D - 28 |
| COFFIN BAY .....              | FAC - C - 52 | DURRIE .....                 | FAC - D - 29 |
| COFFS HARBOUR .....           | FAC - C - 52 | DYSART .....                 | FAC - D - 29 |
| COHUNA .....                  | FAC - C - 55 | EAST JAURDI .....            | FAC - E - 1  |
| COLAC .....                   | FAC - C - 55 | EAST SALE .....              | FAC - E - 2  |
| COLDSTREAM .....              | FAC - C - 56 | ECHUCA .....                 | FAC - E - 7  |
| COLLARENEBRI .....            | FAC - C - 57 | ECO BEACH .....              | FAC - E - 7  |
| COLLINSVILLE .....            | FAC - C - 57 | EDINBURGH .....              | FAC - E - 8  |
| CONDOBOLIN .....              | FAC - C - 58 | EIDSVOLD .....               | FAC - E - 12 |
| COOBER PEDY .....             | FAC - C - 58 | ELCHO ISLAND .....           | FAC - E - 13 |
| COOINDA .....                 | FAC - C - 59 | ELIWANA .....                | FAC - E - 14 |
| COOKTOWN .....                | FAC - C - 60 | ELIZABETH QUAY .....         | FAC - E - 16 |
| COOLAH .....                  | FAC - C - 61 | ELLISTON .....               | FAC - E - 16 |
| COOLATAI .....                | FAC - C - 61 | ELROSE .....                 | FAC - E - 17 |
| COOMA - POLO FLAT .....       | FAC - C - 62 | EMERALD .....                | FAC - E - 17 |
| COOMA - SNOWY MOUNTAINS ..... | FAC - C - 63 | EMKAYTEE .....               | FAC - E - 19 |
| COOMINYA .....                | FAC - C - 64 | EMU PARK .....               | FAC - E - 19 |
| COONABARABRAN .....           | FAC - C - 65 | ENOGGERA HELIPORT .....      | FAC - E - 20 |
| COONAMBLE .....               | FAC - C - 66 | ERINA HELIPORT .....         | FAC - E - 21 |
| COONDEWANNA .....             | FAC - C - 66 | ERNABELLA .....              | FAC - E - 21 |
| COOTAMUNDRA .....             | FAC - C - 68 | EROMANGA .....               | FAC - E - 22 |
| COROWA .....                  | FAC - C - 68 | ESPERANCE .....              | FAC - E - 22 |
| CORRYONG .....                | FAC - C - 69 | EULO .....                   | FAC - E - 24 |
| COWELL .....                  | FAC - C - 70 | EUROA .....                  | FAC - E - 24 |
| COWRA .....                   | FAC - C - 71 | EVANS HEAD .....             | FAC - E - 25 |
| CRANBOURN .....               | FAC - C - 72 | EXMOUTH .....                | FAC - E - 26 |
| CRESSY .....                  | FAC - C - 72 | FACING ISLAND .....          | FAC - F - 1  |
| CROKER ISLAND .....           | FAC - C - 73 | FEDERATION .....             | FAC - F - 1  |
| CROOKWELL .....               | FAC - C - 74 | FITZROY CROSSING .....       | FAC - F - 2  |
| CROYDON .....                 | FAC - C - 74 | FLINDERS ISLAND .....        | FAC - F - 2  |
| CUE .....                     | FAC - C - 75 | FORBES .....                 | FAC - F - 4  |
| CUMMINS TOWN .....            | FAC - C - 76 | FORREST .....                | FAC - F - 5  |
| CUNDERDIN .....               | FAC - C - 76 | FORRESTANIA .....            | FAC - F - 6  |
| CUNNAMULLA .....              | FAC - C - 77 | FORTESCUE DAVE FORREST ..... | FAC - F - 7  |
| CURTIN .....                  | FAC - C - 78 | FREGON .....                 | FAC - F - 8  |
| DALBY .....                   | FAC - D - 1  | GARDEN ISLAND HELIPORT ..... | FAC - G - 1  |
| DALGARANGA MINE .....         | FAC - D - 1  | GARDEN POINT .....           | FAC - G - 2  |
| DARLOT .....                  | FAC - D - 2  | GATTON AIRPARK .....         | FAC - G - 3  |
| DARNLEY ISLAND .....          | FAC - D - 3  | GAWLER .....                 | FAC - G - 3  |
| DARWIN .....                  | FAC - D - 4  | GAYNDAH .....                | FAC - G - 4  |
| DAVENPORT DOWNS .....         | FAC - D - 11 | GEORGE TOWN (TAS) .....      | FAC - G - 5  |
| DEGRUSSA .....                | FAC - D - 12 | GEORGETOWN (QLD) .....       | FAC - G - 6  |
| DELAMERE RANGE FACILITY ..... | FAC - D - 12 | GERALDTON .....              | FAC - G - 7  |
| DELISSAVILLE .....            | FAC - D - 13 | GIBB RIVER .....             | FAC - G - 8  |
| DELTA DOWNS .....             | FAC - D - 13 | GILES .....                  | FAC - G - 8  |
| DENILQUIN .....               | FAC - D - 14 | GILGANDRA .....              | FAC - G - 9  |
| DENMARK .....                 | FAC - D - 14 | GINBATA .....                | FAC - G - 9  |
| DERBY .....                   | FAC - D - 15 | GINGIN .....                 | FAC - G - 10 |
| DEVONPORT .....               | FAC - D - 16 | GLADSTONE .....              | FAC - G - 13 |
| DIRRANBANDI .....             | FAC - D - 18 | GLEN INNES .....             | FAC - G - 15 |
| DJARINDJIN/LOMBADINA .....    | FAC - D - 18 | GLENAMPLE HELIPORT .....     | FAC - G - 16 |
| DOCHRA .....                  | FAC - D - 19 | GLENBROOK HLS .....          | FAC - G - 16 |
| DOCKER RIVER .....            | FAC - D - 20 | GLENORMISTON .....           | FAC - G - 17 |
| DOLPHIN PLATFORM .....        | FAC - D - 20 | GNARWARRE .....              | FAC - G - 17 |
| DONALD .....                  | FAC - D - 20 | GNOWANGERUP .....            | FAC - G - 18 |
| DONNINGTON AIRPARK .....      | FAC - D - 21 | GOLD COAST .....             | FAC - G - 19 |

|                               |              |                                    |              |
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| GOLDEN GROVE .....            | FAC - G - 24 | KALBARRI .....                     | FAC - K - 2  |
| GOODOOGA .....                | FAC - G - 25 | KALGOORLIE-BOULDER .....           | FAC - K - 3  |
| GOOLGOWI .....                | FAC - G - 25 | KALKGURUNG .....                   | FAC - K - 5  |
| GOOLWA .....                  | FAC - G - 26 | KALUMBURU .....                    | FAC - K - 6  |
| GOONDIWINDI .....             | FAC - G - 26 | KAMBALDA .....                     | FAC - K - 6  |
| GOSFORD HOSPITAL .....        | FAC - G - 27 | KAMILEROI .....                    | FAC - K - 7  |
| GOULBURN .....                | FAC - G - 27 | KARARA .....                       | FAC - K - 7  |
| GOVE .....                    | FAC - G - 28 | KARLAWINDA MINE .....              | FAC - K - 8  |
| GRAFTON .....                 | FAC - G - 30 | KARRATHA .....                     | FAC - K - 9  |
| GREAT LAKES AIRFIELD .....    | FAC - G - 31 | KARUMBA .....                      | FAC - K - 12 |
| GREGORY DOWNS .....           | FAC - G - 31 | KATANING .....                     | FAC - K - 12 |
| GRIFFITH .....                | FAC - G - 32 | KEITH .....                        | FAC - K - 13 |
| GRUOTE EYLANDT .....          | FAC - G - 35 | KEMPSEY .....                      | FAC - K - 13 |
| GRUYERE .....                 | FAC - G - 36 | KENS BORE .....                    | FAC - K - 15 |
| GUDAI-DARRI MINE .....        | FAC - G - 37 | KERANG .....                       | FAC - K - 16 |
| GUNBOWER .....                | FAC - G - 39 | KHOLO HELIPAD .....                | FAC - K - 17 |
| GUNDAROO .....                | FAC - G - 39 | KIDMAN SPRINGS .....               | FAC - K - 18 |
| GUNNEDAH .....                | FAC - G - 40 | KIDSTON .....                      | FAC - K - 18 |
| GYMPIE .....                  | FAC - G - 41 | KILCOY .....                       | FAC - K - 19 |
| HAASTS BLUFF .....            | FAC - H - 1  | KILLARNEY .....                    | FAC - K - 19 |
| HALLS CREEK .....             | FAC - H - 1  | KIMBA .....                        | FAC - K - 20 |
| HAMILTON .....                | FAC - H - 2  | KIN KIN RETREAT .....              | FAC - K - 20 |
| HAMILTON ISLAND .....         | FAC - H - 4  | KINDRA FALLS .....                 | FAC - K - 21 |
| HARDEN .....                  | FAC - H - 6  | KING ASH BAY .....                 | FAC - K - 21 |
| HAWKER .....                  | FAC - H - 6  | KING ISLAND .....                  | FAC - K - 22 |
| HAY .....                     | FAC - H - 7  | KINGAROY .....                     | FAC - K - 23 |
| HECK FIELD .....              | FAC - H - 7  | KINGS CREEK STN .....              | FAC - K - 24 |
| HERBERTVALE CATTLE YARD ..... | FAC - H - 8  | KINGSCOTE/KANGAROO ISLAND .....    | FAC - K - 25 |
| HERMANNSTOWN .....            | FAC - H - 8  | KINGSTON .....                     | FAC - K - 26 |
| HERVEY BAY .....              | FAC - H - 9  | KONDININ .....                     | FAC - K - 27 |
| HILLSTON .....                | FAC - H - 10 | KOOLAN ISLAND/KOOLAN CENTRAL ..... | FAC - K - 28 |
| HOBART .....                  | FAC - H - 12 | KOORALBYN .....                    | FAC - K - 29 |
| HOBART/CAMBRIDGE .....        | FAC - H - 17 | KOWANYAMA .....                    | FAC - K - 30 |
| HOLBROOK .....                | FAC - H - 18 | KUBIN .....                        | FAC - K - 31 |
| HOLSWORTHY .....              | FAC - H - 19 | KUNUNURRA .....                    | FAC - K - 31 |
| HOMESGLEN .....               | FAC - H - 21 | KYNETON (VIC) .....                | FAC - K - 33 |
| HONEYMOON .....               | FAC - H - 22 | LAKE CARGELLIGO .....              | FAC - L - 1  |
| HOOKER CREEK .....            | FAC - H - 22 | LAKE EVELLA .....                  | FAC - L - 1  |
| HOPETOUN .....                | FAC - H - 23 | LAKE KEEPIT .....                  | FAC - L - 2  |
| HORN ISLAND .....             | FAC - H - 23 | LAKE MACQUARIE AIRPORT .....       | FAC - L - 2  |
| HORSHAM .....                 | FAC - H - 25 | LAKELAND DOWNS .....               | FAC - L - 3  |
| HUGHENDEN .....               | FAC - H - 26 | LAKES ENTRANCE .....               | FAC - L - 3  |
| HUNGERFORD .....              | FAC - H - 27 | LAKESIDE AIRPARK .....             | FAC - L - 4  |
| IFFLEY .....                  | FAC - I - 1  | LATROBE VALLEY .....               | FAC - L - 4  |
| ILFRACOMBE .....              | FAC - I - 1  | LAUNCESTON .....                   | FAC - L - 6  |
| INGHAM .....                  | FAC - I - 1  | LAVERTON .....                     | FAC - L - 10 |
| INJUNE .....                  | FAC - I - 2  | LAWLERS .....                      | FAC - L - 11 |
| INKERMAN STATION .....        | FAC - I - 2  | LAWN HILL .....                    | FAC - L - 12 |
| INNAMINCKA .....              | FAC - I - 3  | LEARMONTH .....                    | FAC - L - 13 |
| INNAMINCKA TOWNSHIP .....     | FAC - I - 3  | LEGUNE STN .....                   | FAC - L - 16 |
| INNISFAIL/MUNDOO .....        | FAC - I - 4  | LEIGH CREEK .....                  | FAC - L - 16 |
| INVERELL .....                | FAC - I - 5  | LEINSTER .....                     | FAC - L - 17 |
| IRON BRIDGE MINE .....        | FAC - I - 6  | LEONGATHA .....                    | FAC - L - 19 |
| ISISFORD .....                | FAC - I - 7  | LEONORA .....                      | FAC - L - 19 |
| IVANHOE .....                 | FAC - I - 8  | LETHBRIDGE AIRPORT .....           | FAC - L - 20 |
| JABIRU .....                  | FAC - J - 1  | LIGHTNING RIDGE .....              | FAC - L - 21 |
| JACINTH AMBROSIA .....        | FAC - J - 2  | LILYDALE .....                     | FAC - L - 22 |
| JAMESTOWN .....               | FAC - J - 2  | LISMORE .....                      | FAC - L - 22 |
| JERILDERIE .....              | FAC - J - 3  | LIZARD ISLAND .....                | FAC - L - 24 |
| JERVIS BAY .....              | FAC - J - 3  | LOCKHART RIVER .....               | FAC - L - 24 |
| JINDABYNE .....               | FAC - J - 5  | LOCKSLEY FIELD .....               | FAC - L - 25 |
| JULIA CREEK .....             | FAC - J - 5  | LONGDOWN .....                     | FAC - L - 26 |
| JUNDAH .....                  | FAC - J - 6  | LONGFORD HELIPORT .....            | FAC - L - 27 |
| JUNDEE .....                  | FAC - J - 7  | LONGREACH .....                    | FAC - L - 28 |
| JURIEN BAY .....              | FAC - J - 8  | LORD HOWE ISLAND .....             | FAC - L - 29 |
| KADINA .....                  | FAC - K - 1  | LORRAINE .....                     | FAC - L - 31 |

|                                 |              |                                   |              |
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| LOTUS VALE STN .....            | FAC - L - 31 | MOUNT HOWITT .....                | FAC - M - 71 |
| LOUTH .....                     | FAC - L - 31 | MOUNT ISA .....                   | FAC - M - 71 |
| LOWER LIGHT .....               | FAC - L - 32 | MOUNT KEITH .....                 | FAC - M - 73 |
| LOXTON .....                    | FAC - L - 32 | MOUNT MAGNET .....                | FAC - M - 75 |
| LYNDPOCH .....                  | FAC - L - 33 | MOUNT SANFORD STATION .....       | FAC - M - 76 |
| MABUIAG ISLAND .....            | FAC - M - 1  | MOURA .....                       | FAC - M - 76 |
| MACKAY .....                    | FAC - M - 1  | MUDGE .....                       | FAC - M - 76 |
| MACLEAN HOSPITAL .....          | FAC - M - 5  | MULLEWA .....                     | FAC - M - 78 |
| MAITLAND (NSW) .....            | FAC - M - 5  | MUNDUBBERA .....                  | FAC - M - 78 |
| MAITLAND (SA) .....             | FAC - M - 7  | MUNGINDI .....                    | FAC - M - 79 |
| MALLACOOTA .....                | FAC - M - 7  | MUNGO LODGE .....                 | FAC - M - 79 |
| MANGALORE .....                 | FAC - M - 9  | MURGON .....                      | FAC - M - 79 |
| MANGROVE MOUNTAIN GLIDING ..... | FAC - M - 10 | MURRAY BRIDGE .....               | FAC - M - 80 |
| MANINGRIDA .....                | FAC - M - 11 | MURRAY FIELD .....                | FAC - M - 81 |
| MANJIMUP .....                  | FAC - M - 12 | MURRAY/MER ISLAND .....           | FAC - M - 82 |
| MANSFIELD .....                 | FAC - M - 13 | MURRIN MURRIN .....               | FAC - M - 82 |
| MARBLE BAR .....                | FAC - M - 13 | MURWILLUMBAH .....                | FAC - M - 83 |
| MAREEBA .....                   | FAC - M - 14 | MUTTABURRA .....                  | FAC - M - 84 |
| MARGARET RIVER .....            | FAC - M - 15 | MYRUP .....                       | FAC - M - 85 |
| MARLA .....                     | FAC - M - 16 | NACKEROO .....                    | FAC - N - 1  |
| MARREE .....                    | FAC - M - 16 | NAGAMBIE-WIRRATE .....            | FAC - N - 1  |
| MARYBOROUGH (QLD) .....         | FAC - M - 17 | NANANGO .....                     | FAC - N - 2  |
| MARYBOROUGH (VIC) .....         | FAC - M - 18 | NAPPA MERRIE .....                | FAC - N - 2  |
| MCARTHUR RIVER MINE .....       | FAC - M - 18 | NARACOORTE .....                  | FAC - N - 3  |
| MEEKATHARRA .....               | FAC - M - 19 | NAREMBEEN .....                   | FAC - N - 3  |
| MELBOURNE .....                 | FAC - M - 21 | NARRABRI .....                    | FAC - N - 4  |
| MELBOURNE/ESSENDON .....        | FAC - M - 30 | NARRANDERA .....                  | FAC - N - 5  |
| MELBOURNE/MOORABBIN .....       | FAC - M - 35 | NARROGIN .....                    | FAC - N - 6  |
| MELTON .....                    | FAC - M - 41 | NARROMINE .....                   | FAC - N - 7  |
| MELVILLE WATER AERODROME .....  | FAC - M - 42 | NELLY BAY .....                   | FAC - N - 8  |
| MEREENIE .....                  | FAC - M - 42 | NEPEAN AEROSPACE PARK .....       | FAC - N - 8  |
| MERIMBULA .....                 | FAC - M - 43 | NEWCASTLE REGIONAL HELIPORT ..... | FAC - N - 8  |
| MERRIDIN .....                  | FAC - M - 44 | NEWCASTLE WESTPAC BASE .....      | FAC - N - 9  |
| MERRIWA HOSPITAL .....          | FAC - M - 45 | NEWMAN .....                      | FAC - N - 9  |
| MIDDLEMOUNT .....               | FAC - M - 45 | NGUKURR .....                     | FAC - N - 11 |
| MILDURA .....                   | FAC - M - 46 | NHILL .....                       | FAC - N - 12 |
| MILES .....                     | FAC - M - 48 | NIFTY .....                       | FAC - N - 13 |
| MILINGIMBI .....                | FAC - M - 48 | NOOSA .....                       | FAC - N - 13 |
| MILL IRON .....                 | FAC - M - 49 | NORFOLK ISLAND .....              | FAC - N - 14 |
| MILLCENT .....                  | FAC - M - 50 | NORMANTON .....                   | FAC - N - 16 |
| MILLMERRAN .....                | FAC - M - 50 | NORMANTON HELIPAD .....           | FAC - N - 17 |
| MINDEROO .....                  | FAC - M - 51 | NORSEMAN .....                    | FAC - N - 17 |
| MINNIPA .....                   | FAC - M - 52 | NORTHAM .....                     | FAC - N - 18 |
| MITCHELL .....                  | FAC - M - 52 | NORTHERN PENINSULA .....          | FAC - N - 19 |
| MITTA MITTA .....               | FAC - M - 52 | NOVA .....                        | FAC - N - 20 |
| MITTAGONG .....                 | FAC - M - 53 | NOWRA .....                       | FAC - N - 21 |
| MOAMA .....                     | FAC - M - 54 | NULLAGINE .....                   | FAC - N - 27 |
| MODEWARRE .....                 | FAC - M - 54 | NULLARBOR MOTEL .....             | FAC - N - 28 |
| MONARTO SAFARI PARK .....       | FAC - M - 55 | NUMBULWAR .....                   | FAC - N - 28 |
| MONKIRA .....                   | FAC - M - 55 | NYNGAN .....                      | FAC - N - 29 |
| MONTO .....                     | FAC - M - 55 | OAKEY .....                       | FAC - O - 1  |
| MOOMBA .....                    | FAC - M - 56 | OAKY CREEK .....                  | FAC - O - 4  |
| MORANBAH .....                  | FAC - M - 57 | OCHRE ARCH .....                  | FAC - O - 5  |
| MORAWA .....                    | FAC - M - 58 | OENPELLI .....                    | FAC - O - 5  |
| MOREE .....                     | FAC - M - 59 | OLYMPIC DAM .....                 | FAC - O - 6  |
| MORNEY .....                    | FAC - M - 60 | ONSLow .....                      | FAC - O - 7  |
| MORNINGTON ISLAND .....         | FAC - M - 60 | OODNADATTA .....                  | FAC - O - 8  |
| MORUYA .....                    | FAC - M - 62 | ORANGE .....                      | FAC - O - 9  |
| MOUNT BEAUTY .....              | FAC - M - 63 | ORANGE EAST HELIPORT .....        | FAC - O - 10 |
| MOUNT BUNDEY .....              | FAC - M - 64 | ORBOST .....                      | FAC - O - 11 |
| MOUNT COOLON .....              | FAC - M - 65 | ORROROO .....                     | FAC - O - 12 |
| MOUNT GAMBIER .....             | FAC - M - 65 | OSBORNE MINE .....                | FAC - O - 12 |
| MOUNT GORDON .....              | FAC - M - 66 | PACIFIC HAVEN .....               | FAC - P - 1  |
| MOUNT HOLLAND .....             | FAC - M - 67 | PALM ISLAND .....                 | FAC - P - 1  |
| MOUNT HOTHAM .....              | FAC - M - 69 | PAPUNYA .....                     | FAC - P - 2  |
| MOUNT HOUSE .....               | FAC - M - 70 | PARABURDOO .....                  | FAC - P - 2  |

|                                     |              |                                    |              |
|-------------------------------------|--------------|------------------------------------|--------------|
| PARKES .....                        | FAC - P - 4  | RYLSTONE AIRPARK.....              | FAC - R - 29 |
| PEARCE .....                        | FAC - P - 6  | SAIBAI ISLAND .....                | FAC - S - 1  |
| PENFIELD .....                      | FAC - P - 12 | SAINT GEORGE .....                 | FAC - S - 1  |
| PENNY .....                         | FAC - P - 13 | SAINT HELENS .....                 | FAC - S - 2  |
| PERCH PLATFORM.....                 | FAC - P - 13 | SAMARAI.....                       | FAC - S - 3  |
| PERTH .....                         | FAC - P - 14 | SCHERGER (RAAF).....               | FAC - S - 4  |
| PERTH/JANDAKOT .....                | FAC - P - 22 | SCONE.....                         | FAC - S - 5  |
| PETERBOROUGH .....                  | FAC - P - 28 | SCOTIA SANCTUARY .....             | FAC - S - 6  |
| PETERBOROUGH/GREAT OCEAN ROAD ..... |              | SEA LAKE .....                     | FAC - S - 6  |
| .....                               | FAC - P - 28 | SEABUOY .....                      | FAC - S - 7  |
| PETRO STATION .....                 | FAC - P - 29 | SERPENTINE.....                    | FAC - S - 7  |
| PHILLIP ISLAND HELIPORT .....       | FAC - P - 29 | SHARK BAY .....                    | FAC - S - 8  |
| PINKENBA .....                      | FAC - P - 30 | SHELLHARBOUR AIRPORT .....         | FAC - S - 9  |
| PINNARENDI.....                     | FAC - P - 31 | SHEPPARTON.....                    | FAC - S - 11 |
| PINNAROO .....                      | FAC - P - 31 | SHUTE HARBOUR/WHITSUNDAY .....     | FAC - S - 13 |
| PITTSWORTH .....                    | FAC - P - 32 | SINGLETON.....                     | FAC - S - 13 |
| PLUTONIC .....                      | FAC - P - 33 | SMITHTON.....                      | FAC - S - 14 |
| POINT COOK .....                    | FAC - P - 34 | SNAKE BAY .....                    | FAC - S - 14 |
| POONCARIE .....                     | FAC - P - 37 | SOLOMON.....                       | FAC - S - 15 |
| POREPUNKAH.....                     | FAC - P - 38 | SOMERSBY.....                      | FAC - S - 17 |
| PORMPURA AW .....                   | FAC - P - 39 | SOUTH GALWAY .....                 | FAC - S - 18 |
| PORT AUGUSTA .....                  | FAC - P - 40 | SOUTH GOULBURN ISLAND.....         | FAC - S - 18 |
| PORT CAMPBELL .....                 | FAC - P - 40 | SOUTH GRAFTON .....                | FAC - S - 18 |
| PORT CAMPBELL HELIPORT .....        | FAC - P - 41 | SOUTHERN CROSS.....                | FAC - S - 19 |
| PORT HEDLAND.....                   | FAC - P - 41 | SOUTHPORT .....                    | FAC - S - 20 |
| PORT HEDLAND/WODGINA .....          | FAC - P - 44 | SPRING CREEK .....                 | FAC - S - 21 |
| PORT KEATS .....                    | FAC - P - 45 | SPRINGSURE .....                   | FAC - S - 21 |
| PORT LINCOLN .....                  | FAC - P - 46 | ST ARNAUD .....                    | FAC - S - 22 |
| PORT MACQUARIE .....                | FAC - P - 48 | STANTHORPE.....                    | FAC - S - 22 |
| PORT PIRIE .....                    | FAC - P - 50 | STAWELL .....                      | FAC - S - 23 |
| PORTLAND .....                      | FAC - P - 51 | STIRLING NORTH/FLINDERS FIELD..... | FAC - S - 24 |
| PROMINENT HILL.....                 | FAC - P - 52 | STIRLING STATION.....              | FAC - S - 25 |
| PROSERPINE/WHITSUNDAY COAST.....    | FAC - P - 53 | STONEFIELD GLIDING.....            | FAC - S - 25 |
| PUCKAPUNYAL.....                    | FAC - P - 55 | STONEHENGE .....                   | FAC - S - 26 |
| PUNGALINA.....                      | FAC - P - 56 | STRAHAN .....                      | FAC - S - 27 |
| QUEENSTOWN .....                    | FAC - Q - 1  | STREAKY BAY .....                  | FAC - S - 27 |
| QUILPIE .....                       | FAC - Q - 1  | SUNNYSIDE.....                     | FAC - S - 28 |
| QUIRINDI .....                      | FAC - Q - 2  | SUNRAYSIA GLIDING .....            | FAC - S - 28 |
| QUORN .....                         | FAC - Q - 3  | SUNRISE DAM .....                  | FAC - S - 29 |
| RAMINGINING.....                    | FAC - R - 1  | SUNSHINE COAST .....               | FAC - S - 30 |
| RAVENSTHORPE .....                  | FAC - R - 1  | SURAT .....                        | FAC - S - 34 |
| RAYNER PLACE HELIPORT .....         | FAC - R - 3  | SWAN BAY .....                     | FAC - S - 35 |
| RAYWOOD .....                       | FAC - R - 3  | SWAN HILL .....                    | FAC - S - 35 |
| REDCLIFFE .....                     | FAC - R - 4  | SYDNEY/BANKSTOWN.....              | FAC - S - 36 |
| RENMARK .....                       | FAC - R - 5  | SYDNEY/KINGSFORD SMITH.....        | FAC - S - 43 |
| RICHMOND (NSW).....                 | FAC - R - 6  | TAMBO .....                        | FAC - T - 1  |
| RICHMOND (QLD) .....                | FAC - R - 12 | TAMWORTH .....                     | FAC - T - 1  |
| RIDDELL .....                       | FAC - R - 13 | TANAMI.....                        | FAC - T - 6  |
| ROBE .....                          | FAC - R - 13 | TARA .....                         | FAC - T - 6  |
| ROBERTSON BARRACKS.....             | FAC - R - 14 | TAREE .....                        | FAC - T - 7  |
| ROBINHOOD .....                     | FAC - R - 15 | TAROOM.....                        | FAC - T - 8  |
| ROBINVALE .....                     | FAC - R - 15 | TELFER .....                       | FAC - T - 8  |
| ROCHEDALE .....                     | FAC - R - 16 | TEMORA .....                       | FAC - T - 10 |
| ROCKHAMPTON .....                   | FAC - R - 17 | TENNANT CREEK.....                 | FAC - T - 11 |
| ROLLESTON.....                      | FAC - R - 21 | TENTERFIELD.....                   | FAC - T - 12 |
| ROMA .....                          | FAC - R - 22 | TESSA SHOALS.....                  | FAC - T - 13 |
| ROMSEY .....                        | FAC - R - 23 | THANGOOL .....                     | FAC - T - 13 |
| ROSE BAY .....                      | FAC - R - 23 | THARGOMINDAH.....                  | FAC - T - 14 |
| ROSE VALE .....                     | FAC - R - 24 | THE GRANITES.....                  | FAC - T - 15 |
| ROSEBERTH.....                      | FAC - R - 24 | THE LAKES .....                    | FAC - T - 16 |
| ROSTELLA.....                       | FAC - R - 25 | THE MONUMENT .....                 | FAC - T - 16 |
| ROTTNEST ISLAND .....               | FAC - R - 25 | THE OAKS.....                      | FAC - T - 17 |
| ROWSLEY/BROOKS LANDING.....         | FAC - R - 27 | THE VALE .....                     | FAC - T - 18 |
| ROYAL NORTH SHORE HOSPITAL.....     | FAC - R - 27 | THEODORE .....                     | FAC - T - 18 |
| ROYAL PRINCE ALFRED HOSPITAL .....  | FAC - R - 28 | THUNDERBOX .....                   | FAC - T - 19 |
| RUTLAND PLAINS.....                 | FAC - R - 29 | THYLUNGRA .....                    | FAC - T - 20 |

|                                  |              |                              |              |
|----------------------------------|--------------|------------------------------|--------------|
| TIBOOBURRA .....                 | FAC - T - 20 | WARWICK.....                 | FAC - W - 14 |
| TILPA .....                      | FAC - T - 21 | WATERLOO (NT).....           | FAC - W - 15 |
| TIMBER CREEK .....               | FAC - T - 21 | WATTS BRIDGE .....           | FAC - W - 15 |
| TINDAL .....                     | FAC - T - 22 | WAVE HILL .....              | FAC - W - 16 |
| TOCUMWAL .....                   | FAC - T - 29 | WEDDERBURN .....             | FAC - W - 16 |
| TOORADIN .....                   | FAC - T - 30 | WEIPA .....                  | FAC - W - 17 |
| TOORAWEEAH .....                 | FAC - T - 30 | WELLINGTON.....              | FAC - W - 18 |
| TOOWOOMBA .....                  | FAC - T - 31 | WENTWORTH.....               | FAC - W - 19 |
| TORQUAY .....                    | FAC - T - 34 | WEST ANGELAS.....            | FAC - W - 20 |
| TOTTENHAM.....                   | FAC - T - 34 | WEST MAITLAND.....           | FAC - W - 21 |
| TOWNSVILLE/TOWNSVILLE INTL ..... | FAC - T - 35 | WEST MUSGRAVE.....           | FAC - W - 22 |
| TOWRANG GLIDING .....            | FAC - T - 44 | WEST SALE .....              | FAC - W - 23 |
| TREPELL .....                    | FAC - T - 44 | WEST WYALONG.....            | FAC - W - 25 |
| TROPICANA .....                  | FAC - T - 45 | WESTBURY/CROFTON FARM.....   | FAC - W - 26 |
| TROUGHTON ISLAND.....            | FAC - T - 46 | WESTMEAD HOSPITAL.....       | FAC - W - 26 |
| TRURO FLAT AIRPARK.....          | FAC - T - 47 | WHITE CLIFFS.....            | FAC - W - 27 |
| TRUSCOTT-MUNGALALU .....         | FAC - T - 47 | WHITE GUM.....               | FAC - W - 28 |
| TULLY .....                      | FAC - T - 48 | WHYALLA .....                | FAC - W - 29 |
| TULLY HOSPITAL.....              | FAC - T - 49 | WILCANNIA .....              | FAC - W - 30 |
| TUMBY BAY .....                  | FAC - T - 49 | WILLIAM CREEK.....           | FAC - W - 30 |
| TUMUT .....                      | FAC - T - 49 | WILLIAMSON.....              | FAC - W - 31 |
| TURTLE PARK.....                 | FAC - T - 50 | WILLIAMTOWN .....            | FAC - W - 32 |
| TYABB .....                      | FAC - T - 51 | WILUNA .....                 | FAC - W - 39 |
| TYAGARAH .....                   | FAC - T - 52 | WINDARLING .....             | FAC - W - 40 |
| UNDARA .....                     | FAC - U - 1  | WINDORAH.....                | FAC - W - 41 |
| URANDANGI .....                  | FAC - U - 1  | WINTON .....                 | FAC - W - 42 |
| VAN ROOK STATION .....           | FAC - V - 1  | WOLGAN VALLEY HELIPORT ..... | FAC - W - 42 |
| VICTOR ISLAND EAST.....          | FAC - V - 1  | WOLLONGONG HELIPORT.....     | FAC - W - 43 |
| VICTOR ISLAND WEST .....         | FAC - V - 2  | WONDAI.....                  | FAC - W - 43 |
| VICTORIA RIVER DOWNS .....       | FAC - V - 2  | WONDOOLA .....               | FAC - W - 44 |
| WAGGA WAGGA .....                | FAC - W - 1  | WOODIE WOODIE.....           | FAC - W - 44 |
| WAGIN .....                      | FAC - W - 4  | WOOMERA .....                | FAC - W - 45 |
| WAHRING FIELD .....              | FAC - W - 4  | WROTHAM PARK .....           | FAC - W - 47 |
| WAIKERIE .....                   | FAC - W - 5  | WUDINNA .....                | FAC - W - 48 |
| WALCHA .....                     | FAC - W - 5  | WUJAL WUJAL .....            | FAC - W - 48 |
| WALGETT .....                    | FAC - W - 6  | WYANDRA .....                | FAC - W - 49 |
| WANAARING.....                   | FAC - W - 7  | WYCHEPROOF.....              | FAC - W - 49 |
| WANGARATTA .....                 | FAC - W - 8  | WYNDHAM.....                 | FAC - W - 49 |
| WARBURTON .....                  | FAC - W - 8  | WYNYARD .....                | FAC - W - 50 |
| WARIALDA .....                   | FAC - W - 9  | WYREEMA .....                | FAC - W - 52 |
| WARKWORTH.....                   | FAC - W - 9  | YAM ISLAND .....             | FAC - Y - 1  |
| WARNERVALE.....                  | FAC - W - 10 | YAMARNA .....                | FAC - Y - 1  |
| WARRABER ISLAND.....             | FAC - W - 11 | YARRAM.....                  | FAC - Y - 2  |
| WARRABRI .....                   | FAC - W - 11 | YARRAWONGA.....              | FAC - Y - 3  |
| WARRACKNABEAL .....              | FAC - W - 11 | YORKE ISLAND.....            | FAC - Y - 4  |
| WARREN .....                     | FAC - W - 12 | YOUNG.....                   | FAC - Y - 5  |
| WARRNAMBOOL.....                 | FAC - W - 13 | YUENDUMU .....               | FAC - Y - 5  |

## AVFAX MADE SIMPLE

AVFAX has further MET products necessary for use in some operations.

1. Note which FIR and Briefing/QNH Areas involve your flight.
2. Use a tone-dialling telephone to access AVFAX on 1800 805 150 - See ERSa INTRO - 1. Select from the menu the AVFAX option.
3. When AVFAX answers, enter your Account Number \* \_\_\_\_\_
4. When prompted, enter your Password followed by the hash (#) key \_\_\_\_\_
5. Enter the relevant 5-digit product code from items 01 to 4 below.
6. Follow the prompts until you hear the "Thank You" message.

*\* To obtain an Account Number, pilots need to register with NAIPS Internet Service (NIS) or contact the Help Desk on 1800 801 960^.*

|               |                               |                                       |                        |
|---------------|-------------------------------|---------------------------------------|------------------------|
| <b>Item 1</b> | <b>Head Office NOTAM</b>      |                                       | <b>51390</b>           |
| <b>Item 2</b> | <b>FIR NOTAM</b>              | <b>Brisbane FIR<br/>Melbourne FIR</b> | <b>51340<br/>51330</b> |
| <b>Item 3</b> | <b>SIGMET</b>                 | <b>Brisbane FIR<br/>Melbourne FIR</b> | <b>11104<br/>11103</b> |
| <b>Item 4</b> | <b>Area/TAF MET and NOTAM</b> |                                       |                        |

**Prefix group code with -**

**1 - MET only**

**2 - NOTAM only**

**6 - MET and NOTAM**

|                      |                                                                                                                     |
|----------------------|---------------------------------------------------------------------------------------------------------------------|
| Briefing/QNH Area 20 | MET 2000, Group Code 9200, Coastal 9201, Inland 9202, Metropolitan 9209.                                            |
| Briefing/QNH Area 21 | MET 2100, Group Code 9210, Coastal 9211, Inland 9212, Western 9213.                                                 |
| Briefing/QNH Area 22 | MET 2200, Group Code 9220, Northern 9221, Southern 9222.                                                            |
| Briefing/QNH Area 30 | MET 3000, Group Code 9300, Southern 9301, Northern 9302, Metropolitan 9309.                                         |
| Briefing/QNH Area 40 | MET 4000, Group Code 9400, North Coast 9401, South Coast 9402, North West 9403, South West 9404, Metropolitan 9409. |
| Briefing/QNH Area 41 | MET 4100, Group Code 9410, Eastern 9411, Western 9412.                                                              |
| Briefing/QNH Area 43 | MET 4300, Group Code 9430, Northern 9431, Southern 9432.                                                            |
| Briefing/QNH Area 44 | MET 4400, Group Code 9440, Coastal 9441, Inland 9442.                                                               |
| Briefing/QNH Area 45 | MET 4500, Group Code 9450, Eastern 9451, Western 9452.                                                              |
| Briefing/QNH Area 50 | MET 5000, Group Code 9500, Eastern 9501, Western 9502, Metropolitan 9509.                                           |
| Briefing/QNH Area 51 | MET 5100, Group Code 9510.                                                                                          |
| Briefing/QNH Area 52 | MET 5200, Group Code 9520.                                                                                          |
| Briefing/QNH Area 53 | MET 5300, Group Code 9530.                                                                                          |
| Briefing/QNH Area 60 | MET 6000, Group Code 9600, Coastal 9601, Inland 9602, Metropolitan 9609.                                            |
| Briefing/QNH Area 61 | MET 6100, Group Code 9610.                                                                                          |
| Briefing/QNH Area 62 | MET 6200, Group Code 9620.                                                                                          |
| Briefing/QNH Area 63 | MET 6300, Group Code 9630.                                                                                          |
| Briefing/QNH Area 64 | MET 6400, Group Code 9640.                                                                                          |
| Briefing/QNH Area 65 | MET 6500, Group Code 9650.                                                                                          |
| Briefing/QNH Area 66 | MET 6600, Group Code 9660.                                                                                          |
| Briefing/QNH Area 68 | MET 6800, Group Code 9680.                                                                                          |
| Briefing/QNH Area 69 | MET 6900, Group Code 9690.                                                                                          |
| Briefing/QNH Area 70 | MET 7000, Group Code 9700.                                                                                          |

|                      |                                                          |
|----------------------|----------------------------------------------------------|
| Briefing/QNH Area 80 | MET 8000, Group Code 9800, Northern 9801, Southern 9802. |
| Briefing/QNH Area 83 | MET 8300, Group Code 9830.                               |
| Briefing/QNH Area 84 | MET 8400, Group Code 9840.                               |
| Briefing/QNH Area 85 | MET 8500, Group Code 9850, Northern 9851, Southern 9852. |
| Briefing/QNH Area 86 | MET 8600, Group Code 9860.                               |

**For a complete preflight briefing**

A preflight briefing is only **complete** when you have the latest **MET information and all current NOTAM**. NOTAM must include Head Office, FIR, airspace, departure, en route, destination and alternate locations.

**Notes on using AVFAX**

Briefing/QNH Areas are identified on Planning Chart Australia. FIR are identified on En route Charts.

The Group codes shown on these pages give location, FIR, airspace NOTAM with the area and location MET and SIGMET within the area. Location NOTAM older than 7 days will appear as 1 line summaries.

Groups of AVFAX product codes can be combined into single custom codes. If you fly the same route regularly, a single custom code can replace multiple standard codes. NAIPS Internet Service users can create and manage a custom code online using their NAIPS account. Alternatively, contact the AVFAX Help Desk 02 6268 5065<sup>^</sup> Fax: 02 6268 5044, for assistance.

A faster method of keying product codes into AVFAX is to use the Fast Access Mode.

**Cancelling an AVFAX request:**

Your request will be cancelled if you hang up at any time before hearing the final "Thank You" response.

**To update an AVFAX briefing**

To receive an AVFAX update, use the NAIPS Internet Service or telephone a **Briefing Officer** on **1800 805 150<sup>^</sup>**. In each case you will need the Briefing Reference Number printed at the beginning of each AVFAX briefing. Updates from a Briefing Officer can be given over the phone or sent by Fax.

When Fax and phone are not available, call Flightwatch by HF radio, ask for an AVFAX update and quote the Briefing Reference Number.

AVFAX update is not readily available from ATC on VHF.

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## INTRODUCTION

### Preflight and Post Flight Pilot Services Ready Reference Guide

|                                                          |                                               |
|----------------------------------------------------------|-----------------------------------------------|
| <b>Preflight - Civil</b>                                 |                                               |
| NAIPS Internet Service                                   | www.airservicesaustralia.com/flight-briefing/ |
| Flight Notification: submission, change and cancellation | 1800 805 150^<br>02 6268 5062^                |
| AVFAX                                                    | 1800 805 150                                  |
| METBRIEF                                                 | 1800 805 150                                  |
| Fax Flight Notification                                  | 1800 805 150<br>02 6268 5033                  |
| <b>Preflight - Military</b>                              |                                               |
| Briefing Officer                                         | PH 1800 249 030^ or fax 1800 816 089          |
| NOTAM/LJR                                                | PH 02 6268 5063^ or fax 02 6268 5044          |
| MET - Defence Meteorological Office (Defence MO)         | PH 02 6210 3042 or 1800 203 860               |
| <b>Cancellation of SARTIME</b>                           |                                               |
| Flightwatch (CENSAR) Australia Wide                      | 1800 814 931^                                 |
| <b>Full Reporting Arrivals</b>                           |                                               |
| Brisbane FIR (YBBB)                                      | 07 3866 3868^ or 450302^#                     |
| Melbourne FIR (YMMM)                                     | 03 9235 2039^ or 450303^#                     |
| <b>Safety Related Matters</b>                            |                                               |
| Brisbane ATC Centre                                      | 07 3866 3868^ or 450302^#                     |
| Melbourne ATC Centre                                     | 03 9338 4032^ or 450303^#                     |
| Perth ATC Centre                                         | 08 9476 8545^ or 450304^#                     |
| Sydney ATC Centre                                        | 02 9556 6875^ or 450305^#                     |
| <b>Joint Rescue Coordination Centre (JRCC) Australia</b> |                                               |
| SAR Hotline (within Australia)                           | 1800 815 257                                  |
| SAR Hotline (outside Australia)                          | +61 2 6230 6899                               |
| <b>Australian Transport Safety Bureau</b>                |                                               |
| Aviation Accident Notification                           | 1800 011 034                                  |
| Confidential Aviation Reporting                          | 1800 020 505                                  |
| Airservices National Helpdesk H24                        | 1800 801 960                                  |

*Note: Telephone numbers marked with the symbol ^ are recorded facilities and # are SATPHONE abbreviated dialling codes.*

#### 1. EN ROUTE SUPPLEMENT AUSTRALIA

- 1.1 The En Route Supplement Australia (ERSA) is issued on a 13 week cycle with amendments issued for MIL users every four weeks in the ADF Aeronautical Information Package Amendment Bulletin (AIPAB).

#### 2. AERODROME AND FACILITY DIRECTORY

- 2.1 This directory within the ERSa, lists alphabetically, details of AD, Navigation Aids, Air Traffic Services, Ground Services, Public Facilities available and Special Procedures. AD having more than one name are usually identified by the City/AD method.

- 2.2 The information published within the ERSa is subject to standards and legislative requirements to ensure the quality and integrity of the data and information. More information about Data Product Specifications can be obtained from the Airservices Website: <http://www.airservicesaustralia.com/services/aeronautical-information-and-management-services/>

### 3. AIR TRAFFIC SERVICES FREQUENCIES

- 3.1 Air Traffic Control operates these frequencies in various groups and re-transmission applies within each group.

### 4. AERODROME INFORMATION

#### 4.1 AERODROMES WITH FULL INFORMATION

- 4.2 Aerodromes with full information provided are:

- a. Certified aerodromes, and
- b. Military.

**These entries are subject to inspection and ARE SUBJECT TO NOTAM ACTION.**

#### 4.3 AERODROMES WITH LIMITED INFORMATION

- a. Other aerodromes, also known as Aircraft Landing Area (ALA) may be included in ERSa with limited information.
- b. ALA are depicted in ERSa with a grey background as shown in INTRO.
- c. Operators conducting air transport operations into ALA need to be aware of their obligations under the CASA regulations.

**Prior to commencing a flight to an uncertified aerodrome, a pilot or operator must contact the Aerodrome Operator to ensure currency of aerodrome information.**

- 4.4 A NOTAM service is provided for certified aerodromes and specialised helicopter operations with published terminal instrument flight procedures under CASR Part 173. Limited information is published in ERSa for some aircraft landing areas (ALAs) and a NOTAM service is not provided except:

- a. For changes to NAVAIDS, CTAF or ATS frequencies when requested by the service provider or CASA, or
- b. For changes to special procedures when requested by Airservices Australia or CASA.

- 4.5 Aerodrome NOTAM will be issued as:

- a. Location-specific if the location has an AVFAX code; or
- b. Sub-FIR if the location does not have an AVFAX code.

### 5. NOTICES

- 5.1 Heights (feet) and short distances (metres) are indicated in NOTICES as follows, e.g. CAUTION: Fence 10 FT ABV 22M W of RWS end, RWY 26.

### 6. CIVIL USERS - CHANGE OF ADDRESS AND PROCUREMENT

To advise change of address and to arrange for procurement, visit the CanPrint Communications online AIP shop.

- a. Internet: [www.aipshop.canprint.com.au](http://www.aipshop.canprint.com.au)
- b. Personal Purchase: the location of reseller outlets in each state and territory can be obtained from the website identified above.

#### Enquiries Only

Phone: 1300 306 630

+61 2 6293 8381 (international customers only)

Email: [info@aipshop.canprint.com.au](mailto:info@aipshop.canprint.com.au)

**Calls made from mobile phones attract the normal mobile call charge.**

### 7. CIVIL USERS - LICENSING/MEDICAL/EXAMINATION ENQUIRIES

- 7.1 Queries concerning aircrew licensing, medicals or flight crew examinations should be directed to CASA, Phone 131757.

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**8. CIVIL USERS - ADVICE OF ERRORS**

- 8.1 Due to the volume of correspondence received from civil users it would be impractical to attempt to deal with the majority of these corrections by telephone. Internet and email addresses have been included below. Users are urged to forward suggestions or notify AIS of errors.
- 8.2 HEAD OFFICE CONTACT DETAILS (in order of preference)
- a. docs.amend@airservicesaustralia.com or
  - b. Mail:  
Aeronautical Information Service  
GPO BOX 367  
CANBERRA ACT 2601  
or  
Business Reply Post  
PERMIT No. 1986 - CIVIC SQUARE  
AIRSERVICES AUSTRALIA  
ATTN: AIS  
GPO Box 367,  
Canberra, ACT  
2601
- 8.3 The Australian aviation community has an ongoing need to obtain and maintain accurate information about tall structures so that risks associated with inadvertent collision by low flying aircraft can be reduced. The appropriate reporting form is available at:  
[www.airservicesaustralia.com/wp-content/uploads/ATS-FORM-0085\\_Vertical\\_Obstruction\\_Data\\_Form.pdf](http://www.airservicesaustralia.com/wp-content/uploads/ATS-FORM-0085_Vertical_Obstruction_Data_Form.pdf).

**9. CIVIL AVIATION SAFETY AUTHORITY ADDRESS**

Civil Aviation Safety Authority  
GPO Box 2005,  
CANBERRA, ACT, 2601.  
Phone 131757  
Web: <http://casa.gov.au/>

**10. ADF USERS - ADVICE OF ERRORS****10.1 Advice of Errors**

- 10.1.1 ADF users are to notify AIS-AF of errors or omissions as soon as they become apparent, together with as much detail as possible to allow investigation and validation of the information. The method of notification is dependent on the nature and importance of the incorrect information.
- 10.1.2 Where the error or omission is urgent or critical to flight safety, the most expeditious means of notification is to be used.
- 10.1.3 AIS-AF contact details are provided in all ADF FLIP publications.

**10.2 Routine Changes and/or Recommendations**

- 10.2.1 Facility and aircraft operating authorities have obligations, under various orders and instructions, to review and notify FLIP revisions through appropriate authorities.
-

AERODROMES AND FACILITIES AND LEGENDS

**Note 1:** All elevations in this document are given in AMSL unless annotated otherwise.  
**Note 2:** Telephone numbers marked with the symbol ^ are recorded facilities.

Abbreviations used in the ERSA

RPT (Regular Public Transport) - means a scheduled air transport operation.  
CHTR (Charter) - means a non-scheduled air transport operation.  
AWK (Aerial Work) - means specialised aerial operations.

CAUTION

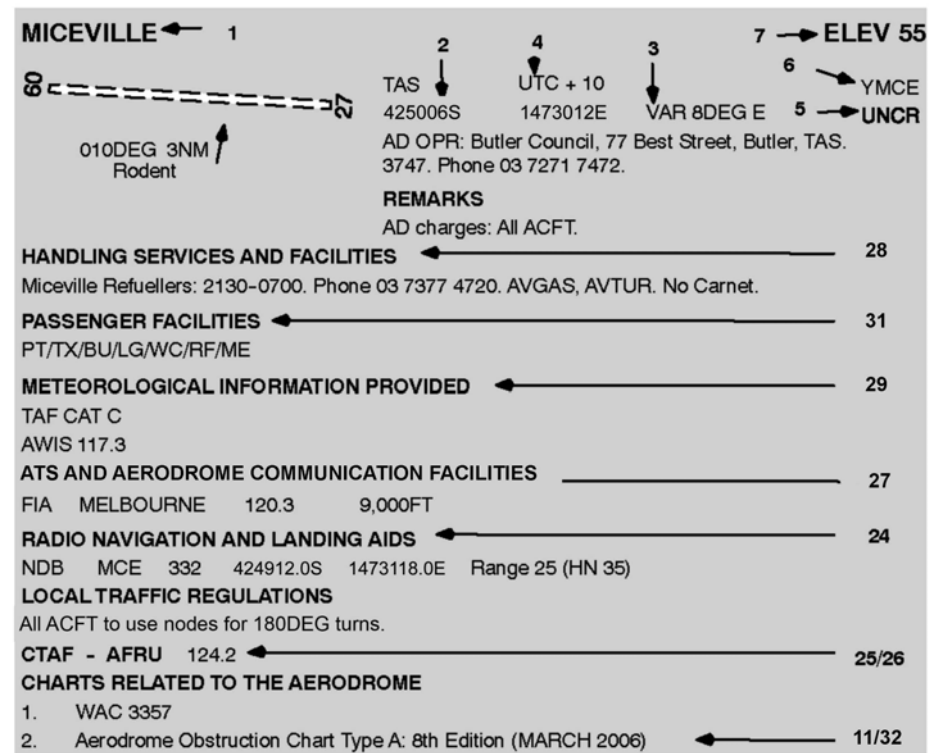
Operations at uncertified aerodromes

The information about the movement areas and lighting details of aerodromes that are uncertified is subject to change without prior notice and is NOT subject to NOTAM action.

Pilots and operators must contact the aerodrome operator directly to ensure currency and accuracy of aerodrome information.

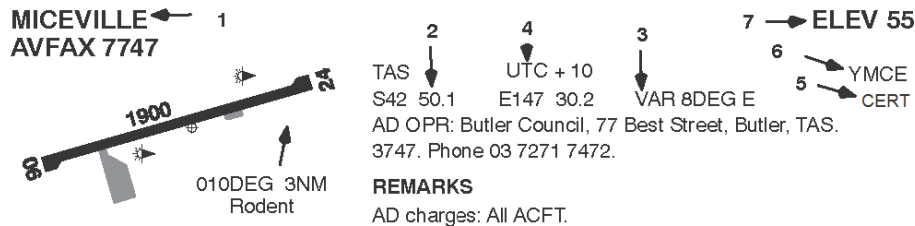
The following depiction is an example of the background colouring used to annotate an uncertified aerodrome.

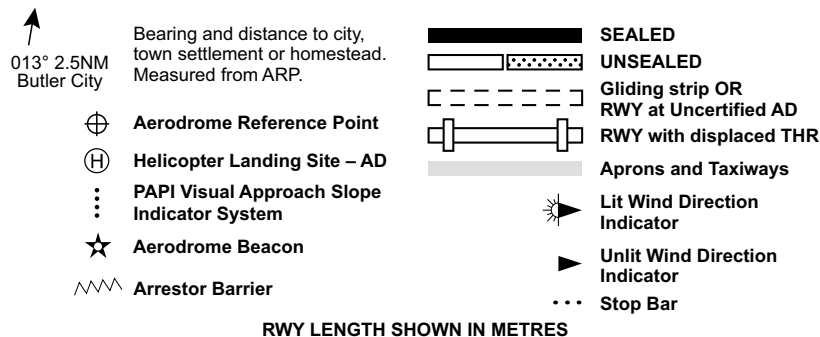
EXAMPLE - UNCERTIFIED AERODROME



**CAUTION:** The diagrams for military aerodromes are reproduced in this publication under permission from the Commonwealth Department of Defence. These diagrams do not show obstruction details and neither the Commonwealth nor the CASA or Airservices Australia takes responsibility for any use which may be made of the diagrams for any purpose.

EXAMPLE - CERTIFIED AERODROME





EXPLANATION

1. **NAMES**  
1.1 Names are listed alphabetically.
2. **GEOGRAPHIC LOCATIONS**  
2.1 ARP Location is shown in degrees, minutes and seconds.
3. **MAGNETIC VARIATION**  
3.1 Variation is shown in degrees magnetic, rounded to the nearest whole number.
4. **TIME CONVERSION**  
4.1 As a combination of Local and UTC time is used throughout the ERSA, all published times have the designation Local or UTC.  
4.2 Local time in Australia falls into three separate zones; Eastern Standard Time, which is UTC plus 10 hours (UTC + 10), Central Standard Time, which is UTC plus 9.5 hours (UTC + 9.30), and Western Standard Time, which is UTC plus 8 hours (UTC + 8).  
4.3 These times apply as follows:  
a. EST is used in the states of New South Wales, (except the Broken Hill area), Queensland, Victoria, Tasmania and the Australian Capital Territory.  
b. CST is used in the state of South Australia, the Northern Territory and the Broken Hill area.  
c. WST is used in the State of Western Australia.  
4.4 The time conversion shown at figure 4 represents the number of hours to be added to UTC to obtain the standard time applicable at that location. Allowance should therefore be made for any daylight saving that may be in force. (Note that 9.30 indicates nine and a half hours).  
4.5 NOTAM will be issued detailing revised hours of operation for those aeronautical facilities affected by local time changes during periods of daylight saving and which do not have such hours promulgated in AIP.
5. **AERODROME USAGE CLASSIFICATION AND GENERAL CODES**  
CERT Certified Aerodrome  
MIL Military - PPR for civil OPS class  
UNCR Uncertified  
JOINT Certified Civil Aerodrome and Military Aerodrome  
GENERAL CODES Based on “General and Meteorological Abbreviations” found in AIP GEN.
6. **LOCATION IDENTIFIER**  
6.1 Shown by the 3, 4 or 5 letter aeronautical code.  
*Note: 3 letter codes are not necessarily those used by IATA.*

---

**7. ELEVATION**

- 7.1 AD ELEV is shown in FT. When the ELEV is sea level, it will be indicated as 00. When the ELEV is BLW sea level, a minus sign will precede the figure. This figure is the ELEV of the highest point of the landing area AMSL.

**8. OPERATING HOURS**

- 8.1 HR shown are in UTC unless otherwise stated.

- 8.2 Hours of operation are shown where possible using the following codes:

|        |                                                     |
|--------|-----------------------------------------------------|
| AH     | After Hours                                         |
| DLY    | Daily                                               |
| EXC PH | Except Public Holidays                              |
| FRI    | Friday                                              |
| H+...  | .... MIN past the hour                              |
| H24    | Continuous day and night service                    |
| HDS    | Hours of Daylight Saving                            |
| HJ     | Sunrise to Sunset                                   |
| HN     | Sunset to Sunrise                                   |
| HO     | Service available to meet operational requirements  |
| HR     | Hours                                               |
| HS     | Service available during HR of scheduled operations |
| JF     | Saturday, Sunday and public holidays                |
| JO     | Monday to Friday (except public holidays)           |
| MON    | Monday                                              |
| O/R    | On Request                                          |
| OT     | Other Times                                         |
| PH     | Public Holidays                                     |
| PN     | Prior Notice required                               |
| PPR    | Prior Permission Required                           |
| SAT    | Saturday                                            |
| SUN    | Sunday                                              |
| THU    | Thursday                                            |
| TUE    | Tuesday                                             |
| WED    | Wednesday                                           |

**9. SECURITY**

- 9.1 An ASIC is a prerequisite for authorisation to have unescorted access to secure areas at security controlled airports, unless otherwise exempted under the Aviation Transport Security Regulations 2005. Airports that do not host scheduled air transport operations are exempt from ASIC requirements. The Department of Home Affairs (Home Affairs) maintains a list of security controlled airports which is available at [www.homeaffairs.gov.au/about-us/our-portfolios/transport-security/air-cargo-and-aviation/aviation/airport-operators](http://www.homeaffairs.gov.au/about-us/our-portfolios/transport-security/air-cargo-and-aviation/aviation/airport-operators). Further information regarding ASICs can be found on the Home Affairs website: <https://www.homeaffairs.gov.au/about-us/our-portfolios/transport-security/identity>.

|      |                                       |
|------|---------------------------------------|
| ASIC | Aviation Security Identification Card |
| FBO  | Fixed Base Operator                   |

**10. AD OPERATOR**

|     |                             |
|-----|-----------------------------|
| ARO | Aerodrome Reporting Officer |
|-----|-----------------------------|

---

## 11. AERODROME OBSTACLE CHART TYPE A CHARTS

- 11.1 Aerodrome operators are responsible for Type A Chart information, (and the currency of this information), listed under aerodromes in FAC section. The Charts will be shown with an "Edition Number" and "Date"; e.g. RWY 12/30, Edition 6 - July 2002. The date shown is the date of the last survey.

## 12. RUNWAY DESIGNATION

- 12.1 RWY are normally numbered in relation to their magnetic direction rounded off to the nearest 10 degrees. Single runways are shown with the lower number on the left side. Parallel runways designated Left/Right are shown with the left runway listed first. Multiple runways are shown in ascending order from top to bottom.

## 13. RUNWAY BEARING

- 13.1 RWY bearing is in Degrees Magnetic.

## 14. RUNWAY DIMENSIONS

- 14.1 The RWY length is the physical length of the RWY (generally the higher of the two RWY direction TORA). RWY lengths are shown as multiples of 100 FT (e.g. lengths of 6,950 FT to 7,049 FT are shown as 70, lengths of 7,050 FT to 7,149 FT are shown as 71).
- 14.2 **SURFACE.** Runway surface is shown as follows:

- a or A asphalt or bitumen;
- b or B concrete;
- c or C other surfaces (always to be qualified by a note).

## 15. PAVEMENT STRENGTHS

- 15.1 The ICAO standard method of reporting pavement strength known as Aircraft Classification Number/Pavement Classification Number (ACN/PCN) has been incorporated.

*Notes:*

1. *Pavement strength data for Military aerodromes is tabulated in FIHA section AD 1.1.*
2. *Omission of pavement strength indicates that the RWY is unrated.*

## 16. PAVEMENT TYPE FOR ACN-PCN DETERMINATION

| Pavement type     | Code |
|-------------------|------|
| Rigid pavement    | R    |
| Flexible pavement | F    |

## 17. PAVEMENT CONCESSIONS FOR ADF AERODROMES

- 17.1 Users requiring a pavement concession for a DOD AD are to contact the Civil Engineering Section of the Directorate of Estate Engineering Policy (EEP), within the Estate and Infrastructure Group (E&IG), on the following numbers:

Mobile +61 405 228 962  
Email [adf.ces@defence.gov.au](mailto:adf.ces@defence.gov.au)

## 18. SUBGRADE STRENGTH CATEGORY

| Subgrade strength category | Code |
|----------------------------|------|
| High strength              | A    |
| Medium strength            | B    |
| Low strength               | C    |
| Ultra low strength         | D    |

## 19. MAXIMUM ALLOWABLE TYRE PRESSURE

- 19.1 Weight and tyre pressure limits are shown in KG and kPa (PSI) in the format 5700 450(65) and are gross limits, i.e. an ACFT may use that part of the movement area if the weight and tyre pressure are BLW the figures shown at the time of the operation. If the limitation is based on MTOW, this will be shown in the format MTOW 5700 KG, precluding an ACFT with MTOW in excess of the figure quoted FM OPR on the area specified.



- 19.2 Weight or tyre restrictions on RWY, TWY and aprons are shown in the remarks.
- 19.3 For aircraft less than or equal to 5,700KG maximum takeoff mass: report maximum allowable tyre pressure in kPa (PSI).
- 19.4 The actual numeric tyre pressure limit is published in kilopascal (kPa), rather than a category of limits. If the maximum allowable tyre pressure is unlimited and no pressure limits exists, the category code "W" will be published.
20. EVALUATION METHOD
- | Evaluation method                                                                                                                              | Code |
|------------------------------------------------------------------------------------------------------------------------------------------------|------|
| Technical evaluation: representing a specific study of the pavement characteristics and application of pavement behaviour technology           | T    |
| Using aircraft experience: representing a knowledge of the specific type and mass of aircraft satisfactorily being supported under regular use | U    |
21. RUNWAY SLOPE, RUNWAY STRIP WIDTH (RWS)
- 21.1 SLOPE on RWY quoted is the difference BTN the MAX and the MNM ELEV along the RCL divided by its length and expressed as a percentage to the nearest one-tenth of a percent. The "down" slope and its direction are tabulated in all cases, e.g., "0.8% down to SE". Where significant slope variations occur, additional data may be shown in notices, e.g. "E end level, centre section 0.5% down to W, W end 0.1% down to E".
- 21.2 RWS: is the width FM side to side which contains the RWY, the graded and ungraded portions of the RWS, shown in metres only. The GRADED portion of the RWS is defined by boundary markers and is graded to alleviate damage to an ACFT in the event that it runs off the RWY. The UNGRADED portion of the RWS is free of upstanding objects but may contain depressions, trenches, etc.
22. ARRESTING SYSTEMS
- 22.1 Systems, other than those detailed BLW, will be shown as A-Gear and amplified by a note.
- a. Tensioned Hookcable Arresting Systems:
- (i) BAK 12 HOOKCABLE AAS.The BAK 12 AAS is a bi-directional Hookcable AAS. Energy is absorbed by a rotary friction braking system which is connected to the runway hookcable by a nylon tape. MAX tape runout is 365(1,200 FT). MAX energy absorption is 98.5 million FT LB. MNM rewind time is 3 minutes (nominal). Cycle rate for fighter type ACFT arrests is 12 ACFT per hour (nominal).

(ii) BAK 14.The BAK 14 is a spring/pneumatic system used for raising and lowering an AAS hookcable from and into the runway. BAK 14 systems are installed, in conjunction with BAK 12 hookcables, at YSRI, YWLM, YAMB, YBTL, YPDN, YPED and YPTN and YPEA. Normally selected up at departure end for arrestable ACFT OPS. ACFT captains are to request "Cable Down" or alternatively request "Approach End Cable Up" if required.
- CAUTION: In the event of power and or pneumatic failure, APCH/DEP end cable will rise to a height of 100MM (4IN) and remain until failure rectified.

**b. Aircraft Arresting Barriers**

- (i) **M34B/243 MEN.** Consists of two velocity-sensitive turbine-type rotary hydraulic (fluid turbulence producing) energy absorbers, one installed on each side of the runway, and a multi-element nylon (MEN) net suspended between retractable stanchions. It is a constant run-out, velocity-sensitive system that adjusts automatically to accommodate aircraft of different weights, engaging speeds and off-centre criteria. It has sufficient kinetic energy capacity to arrest jet type aircraft in the 10,000 to 20,000 Kg (22,048 to 44,094 pounds) weight range at speeds up to 180 knots. It is capable of safely stopping an aircraft, operating in the system's performance envelope, within a run-out distance of approximately 200 metres (656 feet), depending on system configuration. Engagements should be made as close to centre line as possible and not more than 10.6 metres (35 feet) from the centre line. Maximum engagement speeds (MES) are as follows:

| Aircraft Weight | MES    |
|-----------------|--------|
| 10,000 KG       | 160 KT |
| 15,000KG        | 160 KT |
| 20,000 KG       | 135 KT |

**WARNING:**

The Hawk 127 is not cleared for arrestor barrier engagement with 130 gallon external fuel tanks and/or AAR probe fitted.

**Notes:**

*To ensure that the M34B brake cable payout does not occur until the net has deployed over the engaging ACFT, a shear pin is used to connect the net suspension cable to the brake cable at each side of the installation. These pins are intended to fail together shortly after engagement. If, however, the impact forces at engagement are low it is possible for only one pin to shear. This could result in the ACFT being yawed and subsequent damage being caused to it. Although the theoretical MNM engagement speed for both systems is zero KT, it is, for that reason, desirable to keep engagement speeds ABV 50KT for lightweight ACFT (BLW 60,000 LB) and 40KT for heavier ACFT. Suffix (R) indicates remote control from control tower available. Barriers are not to be used in winds above 35KTS except in the event of an EMERG.*

**c. Flight Manuals.**

When RAAF Flight Manuals are amended, this paragraph will refer RAAF OPR to Flight Manuals for specific speed/weight configuration criteria for individual arresting systems. Other OPR should refer to their respective Flight Manuals.

**d. Arresting System Clearance Details.**

The following ACFT are cleared to use the respective arresting systems. (Safebar engagements are to be made with the canopy closed).

- (i) **M34B.** Hawk 127 (see warning ABV).

MAX weight speed limits vary from 10,000 LB/160KT to 25,000 LB/100KT to 100,000 LB/50KT.

*Note 1. Safebar engagements must be made with the canopy closed.*

*Note 2. For M34B systems, the brake cable/brake drum attachment fitting is not designed to disengage itself when MAX payout has been reached. If brake tape payout is exceeded the system will lock and a considerable amount of tape stretch will occur, resulting in ACFT roll back up to 200 FT.*

**22.2 BAK 12 Hookcable.**

- a. All hook equipped ACFT providing the weight and speed of the ACFT are within the parameters specified in the ACFT flight manual. For 1,200FT runout systems with synchronised pressure of 2,000 PSI at 780 RPM, general parameters are:
  - (i) Maximum engagement AUW is 95,000LB (43,180KG).
  - (ii) Maximum engagement speed at 95,000LB is 160KT.
  - (iii) Maximum engagement speed is 190KT.
  - (iv) Maximum AUW at 190 KT is 65,000LB (29,550KG).
  - (v) Minimum engagement AUW is 8,000LB(3,650KG)

**b. Trampling (Roll Over) Clearances BAK 12/14**

This section is under review.

Pilots should refer to the Pilot Operator Handbook or Flight Manual for specific restrictions for each ACFT. In the absence of any reference to trampling in either the Handbook or Manual, trampling is not authorised.

*Note: Close formation trampling of the hookcable is not permitted. MNM time BTN successive ACFT trampling the hookcable is five seconds.*

**c. Location of Arresting Systems**

- (i) The arresting systems are shown as located on the RWY. The middle portion of the RWY is indicated by a line and the distance of the arresting system from the end of the RWY (or into the overrun) on the end on which the system is located is indicated (in feet) in brackets under the applicable system. CAUTION: Up to 15 minutes notice may be RQ for rigging arresting gear for APCH end engagement.

|        |          |             |       |             |          |        |
|--------|----------|-------------|-------|-------------|----------|--------|
| RWY 15 | M34B (R) | BAK 12/14   | ----- | BAK 12/14   | M34B (R) | RWY 33 |
|        |          | (*1)        |       | (*1)        |          |        |
|        | 62 (203) | 464 (1,521) |       | 464 (1,521) | 62 (203) |        |
|        | OVRN     |             |       |             | OVRN     |        |

\*1. Hookcable normally rigged across DEP end of RWY for arrestable ACFT OPS.

\*2. Suffix (R) indicates remote control from control Tower available.

\*3. Suffix (B) indicates the arresting systems allows bi directional engagement.

**23. AERODROME AND APPROACH LIGHTING**

**NOTE: NO STAND-BY POWER AVAILABLE UNLESS ANNOTATED.**

- 23.1 Unless otherwise specified, runway lights include runway edge, threshold and runway end lights, and stopway lights where stopways are provided. Lighting is listed by the abbreviations shown below.

|                    |                                                                                   |
|--------------------|-----------------------------------------------------------------------------------|
| ABN                | Aerodrome Beacon                                                                  |
| AFRU+PAL (FREQ)    | Aerodrome Frequency Response Unit plus PAL                                        |
| AT-VASIS           | Abbreviated (Singed Sided) T pattern Visual Approach Slope Indicator System       |
| FDL                | Fixed Distance Lighting                                                           |
| HBN                | Hazard Beacon                                                                     |
| HIAL-CAT I         | High Intensity Approach Lights - CAT I                                            |
| HIAL-CAT II or III | High Intensity Approach Lights - CAT II or III                                    |
| HIOL               | High Intensity Obstacle Lights (flashing white)                                   |
| HIRL               | High Intensity Runway Lights (5 or 6 stages of intensity)                         |
| HSL                | Hold Short Lights used in conjunction with Land and Hold Short Operations (LAHSO) |
| LIOL               | Low Intensity Obstacle Lights (steady red)                                        |
| LIRL               | Low Intensity Runway Lights (single stage of intensity)                           |
| MIOL               | Medium Intensity Obstacle Lights (flashing red)                                   |
| MIRL               | Medium Intensity Runway Lights (three stages of intensity)                        |
| PAL+AA             | PAL with Audio Acknowledgement                                                    |

|          |                                                                                                                               |
|----------|-------------------------------------------------------------------------------------------------------------------------------|
| PAL      | Pilot Activated Lighting                                                                                                      |
| PAPI     | PAPI Visual Approach Slope Indicator System                                                                                   |
| PAPI#    | PAPI commissioned by ground survey (not available to scheduled air transport operation jets). Report any anomalies to AD OPR. |
| PTBL     | Portable or temporary lights (flares or battery)                                                                              |
| RCGL     | Runway Circling Guidance Lights                                                                                               |
| RCLL     | Runway Centre Line Lights                                                                                                     |
| REDL     | Runway Edge Lights                                                                                                            |
| RGL      | Runway Guard Lights (Alternating Flashing Yellow)                                                                             |
| RLLS     | Runway Lead-in Lighting                                                                                                       |
| RTIL     | Runway Threshold Identification Lights (flashing white)                                                                       |
| RTZL     | Runway Touchdown Zone Lights                                                                                                  |
| SALS     | Simple Approach Lighting System                                                                                               |
| SDBY PWR | Standby Power                                                                                                                 |
| SFL      | Sequenced Flashing Lights                                                                                                     |
| STWL     | Stopway Light(s)                                                                                                              |
| T -VASIS | T pattern Visual Approach Slope Indicator System                                                                              |
| Taxiways | Centre line lights are green and edge lights are blue                                                                         |

23.2 **Lights may be described by the following abbreviations:**

|                 |                         |
|-----------------|-------------------------|
| ALTN            | Alternating             |
| B               | Blue                    |
| FLG             | Flashing                |
| G               | Green                   |
| GP FLG (number) | Group flashing (number) |
| OCC             | Occulting               |
| R               | Red                     |
| W               | White                   |
| Y               | Yellow                  |

23.3 Lighting provided by kerosene lamps may not be available during fire ban periods, except in emergencies.

23.4 **Pilot Activated Lighting (PAL)**

a. Lighting is actuated with a transmission sequence on the published frequency.

| Activation                       | Transmission Sequence                                 | Activation transmission                                                             |
|----------------------------------|-------------------------------------------------------|-------------------------------------------------------------------------------------|
| PAL                              | 3 bursts of between 1 and 5 seconds within 25 seconds |  |
| PAL + AA (audio acknowledgement) | 3 bursts of 1 second each within 5 seconds            |  |
| AFRU + PAL                       | 3 bursts of 1 second each within 5 seconds            |  |

b. Non-standard activation sequences and audio acknowledgement responses on PAL frequencies are published for applicable aerodromes in ERSA FAC.

### 23.5 T-VASIS/AT-VASIS

- a. The T-VASIS consists of twenty light units symmetrically disposed about the RWY centre line in the form of two wing bars of four light units each, with bisecting longitudinal lines of six lights.
- b. The AT-VASIS consists of ten light units arranged on one side of the RWY in the form of a single wing bar of four light units with a bisecting longitudinal line of six lights.
- c. The crossbar represents 'on glide-slope' and deviations appear as one, two or three lights ABV or BLW the crossbar. The sensitivity is similar to flying within the 'three-dot-up' or 'three-dot-down' positions of an ILS glide path.
- d. The T-VASIS is designed so that with only the crossbar lights visible, the glide-slope is 3DEG and the pilot's eye-height over the THR is APPROX 47 FT. The height quoted in FT is the MNM EYE HEIGHT at THR, i.e. the lowest height at which an "on glide path" indication will be seen. If increased eye-height over the THR is required (e.g. long/wide bodied ACFT) this can be achieved by flying the approach with the crossbar and one or more of the 'fly-down' lights visible as required. In this manner variable vertical distances between the pilot's eyes and the THR can be obtained.

#### e. **APPROACH SLOPE INDICATION EYE HEIGHT ABOVE THRESHOLD**

|                       |                     |
|-----------------------|---------------------|
| THREE LIGHTS FLY UP   | Ground level to 7FT |
| TWO LIGHTS FLY UP     | 8FT to 25FT         |
| ONE LIGHT FLY UP      | 25FT to 41FT        |
| ON GLIDE SLOPE        | 49FT                |
| ONE LIGHT FLY DOWN    | 57FT to 75FT        |
| TWO LIGHTS FLY DOWN   | 75FT to 94FT        |
| THREE LIGHTS FLY DOWN | 94FT to 176FT       |

The previous dimensions may vary by 15 FT, depending on the location of the system as dictated by siting requirements.

- 23.6 The initial intensity of the system is determined by ATS, but may be varied at the request of the pilot.

### 23.7 PAPI

- a. The PAPI system consists of a wing bar of 4 (or paired single lamp) lights equally spaced located on the left side of the RWY unless it is physically impracticable to do so.
- b. The height quoted in FT is the MNM EYE HEIGHT at THR, i.e. the lowest height at which an "on glide path" indication will be seen.
- c. The wing bar of a PAPI is arranged in such a manner that a pilot making an APCH will:
  - (i) when on or close to the APCH slope, see the two units nearest the RWY as red and the two units farthest from the RWY as white;
  - (ii) when ABV the approach slope, see the one unit nearest the RWY as red and the three units farthest from the RWY as white; and when further above the APCH slope, see all the units as white; and
  - (iii) when BLW the APCH slope, see the three units nearest the RWY as red and the unit farthest from the RWY as white; and when further BLW the APCH slope, see all the units as red.

## 24. RADIO NAVIGATION AND LANDING AIDS

### 24.1 Distance Measuring Equipment

- a. The DME system uses the channels designated in *ICAO Annex 10* for operation with the VOR FREQ selected for the same AD. This "pairing" of the VOR and the DME thus permits airborne equipment suitably designed, to display both DME and VOR INFO by the selection of only the VOR FREQ.
- b. TACAN has also been installed at a number of MIL and joint user AD and the DME element of these installations is AVBL to civil ACFT equipped with 1000 DME. This element will normally be paired with VOR where both facilities are established at a joint user AD/WI the *ICAO Annex 10 collocation DIST RQMNTS*.

- c. The availability of associated VOR and DME INFO is shown in ERSa, ERC, AC and on FLIP Terminal charts in one of the FLW forms.

|         |           |
|---------|-----------|
| VOR/DME | 112.7     |
| VOR     | 113.7     |
| DME     | 112.7/74X |
| TACAN   | 84        |

## 24.2 Bearings, Distance and Hours of Aids

Bearings and distance given is from the aid to the ARP, (shown in DEG MAG and NM) unless noted that the bearing and distance is to the appropriate RWY THR. Navigation aids HR of OPS H24 unless otherwise shown.

## 24.3 Hazard Beacons (HBN)

Hazard Beacons are utilised as an aid to navigation for obstacle avoidance in the vicinity of aerodromes. HBN are either HIOL or MIOL (*see Aerodrome and Approach Lighting*).

## 25. COMMON TRAFFIC ADVISORY FREQUENCY (CTAF)

- 25.1 Frequencies to be used for operations at aerodromes are listed against locations under the heading "CTAF".

- 25.2 Carriage of serviceable VHF radio, and being qualified to use it, is mandatory when operating at, or in the vicinity of, all non-controlled certified and military aerodromes. However, a pilot may operate an aircraft with an unserviceable VHF radio at, or in the vicinity of, an uncontrolled aerodrome where the carriage of serviceable VHF radio is normally required if a radio failure occurs during the flight or if the purpose of the flight is to take the radio to a place where it can be repaired. The pilot may continue to land at the aerodrome provided the pilot activates the aircraft's anti-collision lights, landing lights and transponder (if any) whilst within the vicinity of the aerodrome and, if arriving at the aerodrome, joins the circuit on the crosswind leg.

*Note: A pilot should avoid planning to arrive at or depart from an aerodrome for radio repairs during the known hours of scheduled air transport operations. For aerodromes where there is a UNICOM or CA/GRS, pilots should, by alternative means, where possible, make contact and advise intentions before conducting operations.*

- 25.3 A pilot may operate an aircraft that is not equipped with a serviceable aircraft VHF radio, or which is equipped with such a radio but which the pilot is not qualified to use, to or from an uncontrolled aerodrome at which the carriage of radio is normally required if the aircraft is flown:

- In VMC by day, and
- Arrives or departs in company with another aircraft which is radio-equipped and flown by a radio-qualified pilot which will allow the latter to make radio calls on behalf of both aircraft. The radio equipped aircraft should be manoeuvred to keep the no radio aircraft at a safe distance and in sight at all times in order to accurately report its position.

- 25.4 Pilots of inbound traffic should monitor and communicate as appropriate on the designated CTAF from 10 miles to landing. Pilots of departing aircraft should monitor/communicate on the appropriate frequency from start-up, during taxi, and until 10 miles from the airport unless local procedures require otherwise.

- 25.5 Pilots of aircraft conducting other than arriving or departing operations at altitudes normally used by arriving and departing aircraft should monitor/communicate on the appropriate frequency while within 10 miles of the airport unless required to do otherwise by local procedures. Such operations include parachute jumping/dropping, en route, practicing manoeuvres, etc.

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## **26. AERODROME FREQUENCY RESPONSE UNIT (AFRU)**

- 26.1 An aerodrome frequency response unit will provide an automatic response when pilots transmit on the traffic frequency for the particular aerodrome, normally the CTAF. It will assist in indicating inadvertent selection of the incorrect VHF frequency when pilots operate into uncontrolled aerodromes.
- 26.2 At locations where an AFRU is installed, the entry “AFRU” is included in the CTAF heading.
- 26.3 When an ACFT operating within approximately 20 to 30 NM of the AFRU makes a transmission of 2 secs duration or more on the aerodrome FREQ, the AFRU will automatically respond with one of the following types of transmissions:
- If no other ACFT transmissions have been received within the previous 5 minutes, a pre-recorded voice message comprising aerodrome identification followed by “CTAF”; or
  - If any ACFT transmissions have been received within the previous 5 minutes, a low volume 300 millisecond tone burst.
- 26.4 The AFRU will also detect ACFT transmissions which consist of three sequential carrier bursts within a five second period (i.e. three microphone clicks) and respond with the prerecorded voice message, regardless of aircraft radio transmission activity in the last 5 minutes. Further information can be found in *AIP Book*.

## **27. ATS COMMUNICATIONS FACILITIES**

This section contains detailed information regarding the type, call sign, frequency, hours of operation and other notes regarding the communication facilities available at an aerodrome.

### **27.1 Certified Air/Ground Radio Service (CA/GRS)**

A CA/GRS is an aerodrome radio information service on the CTAF. The service is an information service, not an air traffic service. Pilots retain full responsibility to decide whether to accept and use the information provided. A CA/GRS provides the following information:

- Confirmation of frequency selection by pilots, by means of the operator's response to a pilot's broadcast when taxiing at an aerodrome or inbound to an aerodrome.
- Known, relevant traffic on the CTAF and on the manoeuvring area of the aerodrome to an aircraft when taxiing for departure or inbound to an aerodrome.
- Weather conditions at the aerodrome. The weather information which may be advised is runway favoured by wind or for noise abatement, runway surface conditions, wind direction and speed, visibility and present weather, estimated cloud base, surface temperature, and aerodrome QNH. This information will be provided by means of an Automatic Aerodrome Information Service (AAIS) broadcast on a discrete frequency (similar to ATIS) during CA/GRS OPR HR or on request to the CA/GRS. QNH provided by a CA/GRS or AAIS may be used to reduce DAP IAL MDA in accordance with *AIP ENR 1.5, QNH Sources*.
- Other local information.
- Emergency services call-out, if requested by the pilot in an emergency.

At those aerodromes where a Certified Air/Ground Radio Service is provided, the abbreviation “CA/GRS” is included in the aerodrome entry, together with the designated broadcast area and frequency, the AAIS frequency and any location specific procedures, service's hours of operation and callsign.

### **27.2 UNICOM**

UNICOM (Universal Communications) is a service provided on specific frequencies to enhance the value of information normally available about a non controlled aerodrome. UNICOM is not provided by Airservices Australia.

At locations where a UNICOM has been established, the entry giving details about the service, such as the callsign, hours of operation or any particular service provided, will be shown in ATS COMMUNICATION FACILITIES.

UNICOM operators are required to obtain a licence from The Australian Communications Authority and frequency band approval must come from Airservices Australia, prior to the entry being placed in this document.

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## 28. HANDLING SERVICES AND FACILITIES

28.1 Replenishment facilities are listed using the following codes. The left hand column contains the code symbol, the main body gives a brief description and where applicable, finally (in brackets) the Australian designation.

CAUTION: Due to changes without notice, accuracy of REPLEN entries under "Ground Services", cannot be guaranteed.

When information is received from the relevant aerodrome authority, a NOTAM will be issued notifying changes to refuelling information. However, Airservices Australia takes no responsibility for the accuracy or completeness of refuelling information.

### FUEL

|        |                                                                                                                      |
|--------|----------------------------------------------------------------------------------------------------------------------|
| AVGAS  | aviation gasoline, grade 100LL (AVGAS 100LL) (SG 0.72)                                                               |
| F34    | aviation turbine kerosene (JET A1 with FSII (S-1745))(-47DEG C freeze point), (SG 0.775 - 0.840)                     |
| JET A1 | aviation turbine kerosene (JET A1 without FSII (S-1745))(-47DEG C freeze point) (SG 0.775 - 0.840)                   |
| F40    | aviation turbine gasoline (AVTAG with FSII (S748) (low vapour pressure) (SG 0.80)                                    |
| F44    | aviation turbine kerosene (AVCAT 48)(high flash point with FSII (S-1745)) (-46DEG C freeze point) (SG 0.788 - 0.845) |
| F45    | aviation turbine gasoline (AVTAG without FSII (S748)) (-51DEG C freeze point) (SG 0.80)                              |

### LUBRICATING OIL

|      |                                                                                |
|------|--------------------------------------------------------------------------------|
| O113 | aviation piston engine lubricating oil: 65 SUS (OM-107)                        |
| O117 | aviation piston engine lubricating oil: 100 SUS (OM-270)                       |
| O123 | aviation piston engine lubricating oil (ashless dispersant): 80 SUS (OMD-160)  |
| O125 | aviation piston engine lubricating oil (ashless dispersant): 100 SUS (OMD-250) |
| O128 | aviation piston engine lubricating oil (ashless dispersant):120 SUS (OMD-370)  |
| O133 | aviation turbine oil (OM-10)                                                   |
| O135 | aviation turbine lubricating oil, petroleum base: 3cS (OM-11)                  |
| O136 | aviation turbine lubricating oil, petroleum base: 9cS (EP) (OEP-71)            |
| O138 | aviation turbine lubricating oil, petroleum base: 9cS (OM-71)                  |
| O142 | general purpose (mineral) lubricating oil (OM-12)                              |
| O147 | instrument (synthetic lubricating oil (OX-14)                                  |
| O148 | aviation turbine synthetic lubricating oil: 3cS (OX-9)                         |
| O149 | aviation turbine synthetic lubricating oil: 7.5cS (OX-38)                      |
| O155 | aviation gear (mineral) lubricating oil (OEP-70)                               |
| O156 | aviation turbine synthetic lubricating oil: 5cS (OX-27)                        |
| OX-7 | aviation turbine oil 390: 3cS                                                  |
| SUS  | Saybolt Universal Seconds                                                      |
| cS   | Centistokes                                                                    |

### MISCELLANEOUS FLUIDS

|      |                                                         |
|------|---------------------------------------------------------|
| C365 | corrosion preventive compound, hydraulic system (OX-15) |
| H515 | mineral hydraulic oil (OM-15)                           |
| H536 | hydraulic oil (OX-50)                                   |
| H576 | mineral hydraulic oil (OM-33)                           |
| SKD5 | Skydrol 500B                                            |



|       |                                                                                  |
|-------|----------------------------------------------------------------------------------|
| S735  | inhibited ethylene glycol (AL-3)                                                 |
| S737  | isopropyl alcohol (AL-11)                                                        |
| S738  | denatured ethyl alcohol (AL-8)                                                   |
| S745  | glycol alcohol de-icing, defrosting fluid (AL-5)                                 |
| S746  | isopropyl nitrate (avpin)                                                        |
| S747  | methyl alcohol (AL-9)                                                            |
| S1745 | fuel system icing inhibitor, high flash type (FSII) (AL-41)                      |
| ADI   | 50/50/l methanol/water/inhibitor anti-detonant injection fluid (METHMIX) (AL-37) |
| MMX45 | 45/55/0 methanol/water thrust augmentation fluid (AL-28)                         |
| MMX50 | 50/50/0 methanol/water thrust augmentation fluid                                 |
| MMX60 | 60/40/0 methanol/water thrust augmentation fluid                                 |
| WTA   | demineralised water (thrust augmentation fluid)                                  |

### AVIATION BREATHING OXYGEN

|      |                                                         |
|------|---------------------------------------------------------|
| HPOX | High Pressure Oxygen                                    |
| LHOX | Low and High Pressure Oxygen                            |
| LOX  | Liquid Oxygen                                           |
| LPOX | Low Pressure Oxygen                                     |
| OXRB | Oxygen Replacement Bottles (type of aircraft specified) |

### POWER UNITS - (ELECTRIC)

|     |                                                 |
|-----|-------------------------------------------------|
| E1  | 28VDC Battery Cart                              |
| E2  | 28VDC 2.2KW                                     |
| E3  | 28VDC 7.5KW                                     |
| E4  | 28VDC 10KW                                      |
| E5  | 28VDC 15KW                                      |
| E6  | Rectifier starting 28VDC 6KW/30KW Peak          |
| E7  | Underground Power, 28VDC 15KW, 120/208VAC 50KVA |
| E8  | 28VDC 10KW, 120/208VAC 60KVA                    |
| E9  | 28VDC 45KW, 120/208VAC 60KVA                    |
| E10 | 28VDC 14KW, 120/208VAC 45KVA                    |
| E11 | 28VDC 15KW, 120/208VAC 15KVA                    |
| E12 | 15KW, 120/208VAC 75KVA 28VAC                    |
| E13 | 28VAC 15KW, 120/208VAC 90KVA                    |
| E14 | 28VDC 22.5KW, 124/208VAC 30KVA                  |
| E15 | 28VDC 25KW, 124/208VAC 30KVA                    |
| E16 | 28VDC 45KW, 124/208VAC 60KVA                    |

### POWER UNITS - (AIR)

|         |                                                      |
|---------|------------------------------------------------------|
| A1      | Low pressure air starter (40PSI)                     |
| PRESAIR | Compressed air replenishment: 3000PSI or higher AVBL |

CREDIT DETAILS

| Credit cards accepted by Refuellers |                  |
|-------------------------------------|------------------|
| AC                                  | Access Card      |
| DC                                  | Diners Club      |
| V                                   | Visa Card        |
| MC                                  | Master Card      |
| AMEX                                | American Express |

29. METEOROLOGICAL INFORMATION PROVIDED

|                                                                                                                                                                                                                                                            |                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
| AD WRNG                                                                                                                                                                                                                                                    | Aerodrome Warning                            |
| AWIS*                                                                                                                                                                                                                                                      | Aerodrome Weather Information Service        |
| METAR/SPECI                                                                                                                                                                                                                                                | Routine and Special Aerodrome Observations   |
| MO                                                                                                                                                                                                                                                         | Meteorological Office                        |
| MWO                                                                                                                                                                                                                                                        | Meteorological Watch Office                  |
| TAF CAT                                                                                                                                                                                                                                                    | TAF Category - Refer to AIP Book for details |
| WATIR                                                                                                                                                                                                                                                      | Weather and Terminal Information Reciter     |
| WS WRNG                                                                                                                                                                                                                                                    | Windshear Warning                            |
| * AWIS can be received either on broadcast or phone or both and is indicated in the FAC section by the publication of the phone number the frequency or both.<br>Some AWIS on broadcast require a one second pulse or three one second pulses to activate. |                                              |

30. RESCUE AND FIREFIGHTING SERVICES

30.1 RFFS FACILITIES are allocated a CAT within the range of CAT 1 to CAT 10 with minimum water quantity and RFFS vehicle requirements as per the table. Note that the figures below refer to quantities and discharge rates for water and different minimum quantities and discharge rates apply to other extinguishing agents. Categories are allocated to give a reasonable chance of rescue at a serious accident, with the probability of survivors, involving an ACFT within the group. Military users refer DI(AF)OPS for specific requirements/conditions applicable to Military airfields.

| CAT                                       | 1   | 2   | 3    | 4    | 5    | 6    | 7     | 8     | 9     | 10    |
|-------------------------------------------|-----|-----|------|------|------|------|-------|-------|-------|-------|
| MNM water quantity RQ                     | 230 | 670 | 1200 | 2400 | 5400 | 7900 | 12100 | 18200 | 24300 | 32300 |
| MNM discharge rate RQ (L/MIN)             | 230 | 550 | 900  | 1800 | 3000 | 4000 | 5300  | 7200  | 9000  | 11200 |
| MNM number of RFFS vehicles RQ (CIV only) | 1   | 1   | 1    | 1    | 1    | 2    | 3     | 3     | 3     | 3     |

30.2 Airlservices RFFS - ICAO/CASA Standard

30.2.1 This chart indicates the (ICAO) “minimum” useable amounts of extinguishing agents applicable to each RFFS category.

| Category | Vehicle | Water | Discharge Rate | Complementary Agent (Dry Chemical) |
|----------|---------|-------|----------------|------------------------------------|
| 5        | 1       | 5400  | 3000 l/m       | 180KG                              |
| 6        | 2       | 7900  | 4000 l/m       | 225KG                              |
| 7        | 2       | 12100 | 5300 l/m       | 225KG                              |
| 8        | 3       | 18200 | 7200 l/m       | 450KG                              |
| 9        | 3       | 24300 | 9000 l/m       | 450KG                              |

### 30.3 Airservices Water Rescue Service (WRS)

- a. Airservices Australia RFFS provides a water rescue service at certain aerodromes as specified in the relevant aerodrome's RFFS entry in ERSA. This service consists of rescue boats which provide a first response to an ACFT incident in water areas to deploy flotation platforms, pending the arrival of a larger, second stage response under an aerodrome AEP.
- b. The water rescue service does not constitute a part of RFFS category however, any subsequent non availability of the complete WRS will generate notification processes compatible with a contingency plan involving other emergency Agencies (and ATS) at that aerodrome location.

## 31. PASSENGER FACILITIES

- 31.1 The following codes are used for the display of PUBFAC data in ERSA:

|    |                  |    |                  |
|----|------------------|----|------------------|
| AC | ACCOMMODATION    | PT | PUBLIC TELEPHONE |
| BU | BUS TO TOWN      | RF | REFRESHMENT      |
| HC | HIRE CAR         | WC | TOILETS          |
| LG | PASSENGER LOUNGE | TX | TAXI             |
| ME | MAINTENANCE      |    |                  |

- 31.2 Where relevant and available other brief information, e.g. telephone numbers, is included alongside the facility.
- 31.3 In many instances services such as taxi or hire car are not available at the aerodrome itself, but need to be contacted by telephone after arrival. Where availability of refreshments is indicated there is usually some limitation on the hours, and may vary from full meal service to a drink vending machine. Buses are often scheduled to meet scheduled air transport operation aircraft only. **AIRSERVICES ACCEPTS NO RESPONSIBILITY FOR THE ACCURACY OF PUBFAC DATA.**

## 32. WAC CHART REFERENCE

- 32.1 The WAC Chart on which the AD can be found.

## 33. CHANGES IN AERODROME INFORMATION

- 33.1 Changes in AD INFO will be promulgated by NOTAM to the extent indicated BLW:
- a. Co-ordinates/LCA of the AD - if the PSN is altered by more than 0.5 NM;
  - b. ELEV of an AD - alterations in excess of:
    - (i) 20FT for AD with instrument approaches
    - (ii) 100FT for other AD;
  - c. RWY/Strip bearing and number - alterations which cause a change in RWY number; and
  - d. Declared Distances, Supplementary TKOF Distances and Dimensions of RWY and RWS -
    - (i) length - 10(33FT) decrease or 30(98FT) increase.
    - (ii) width - any change.
  - e. TODA Gradient - any change in gradient in excess of 0.05%.
- 33.2 NOTAM advising of reductions in RWY length due to obstacles associated with WIP will include the LCA of the obstacle(s). Some NOTAM may include additional obstacle information intended solely to amend the obstruction chart issued for that AD.
- a. The work is on the movement area, and/or
  - b. Obstacles infringe clearance surfaces, and the affected area cannot be restored within 10 MIN of an ACFT's indicated intention to use the area.

*Although maintenance staff are RQ to watch for ACFT, pilots OPR into non-controlled AD may need to attract the attention of such staff before LDG or TKOF.*

RUNWAY DISTANCES LEGEND

**Note: TORA/TODA information in separate section BUTLER**

| RWY                                                                          | (CN) | TORA       | TODA              | ASDA       | LDA        |
|------------------------------------------------------------------------------|------|------------|-------------------|------------|------------|
| 05                                                                           | 3    | 2515(8252) | 2575(8449)(1.98%) | 2515(8252) | 2515(8252) |
| 23                                                                           | 3    | 2515(8252) | 2575(8449)(1.20%) | 2515(8252) | 2515(8252) |
| Slope 0.62% down the SW. RWY WID 30, RWS WID 300, Graded 150                 |      |            |                   |            |            |
| 14                                                                           | 2    | 1000(3281) | 1060(3478)(1.47%) | 1000(3281) | 1000(3281) |
| 32                                                                           | 2    | 1000(3281) | 1060(3478)(2.65%) | 1000(3281) | 1000(3281) |
| Slope from ends 0.32% down to point 670M from NW end. RWY WID 30, RWS WID 90 |      |            |                   |            |            |

**SUPPLEMENTARY TKOF DIST:**  
RWY 05 - 2389(7838)(1.6%) 2547(8356)(1.9%)  
RWY 32 - 897(2943)(2.5%)  
RWY 05 - TKOF FROM TWY A

1. **DECLARED DISTANCES**

- 1.1 Declared distances in metres(feet) are tabulated for each RWY. They are:
  - a. **TORA (TAKEOFF RUN AVAILABLE)**  
The length of RWY declared available and suitable for the ground run of an ACFT taking off. (In most cases, this corresponds to the physical length of the RWY pavement.)
  - b. **TODA (TAKEOFF DISTANCE AVAILABLE)**  
The length of TKOF run available plus the length of any clearway (CWY) available.
  - c. **ASDA (ACCELERATE-STOP DISTANCE AVAILABLE)**  
The length of TKOF run available, plus the length of the stopway (SWY), if provided. (Any SWY length included shall be adequate for use by all ACFT which comply with the RWY strength rating.)
  - d. **LDA (LANDING DISTANCE AVAILABLE)**  
The length of RWY declared available and suitable for the ground run of an ACFT landing (LDG). (In most cases, this corresponds to the physical length of the RWY pavement.)

1.2 **Runway End Safety Area (RESA)**

- 1.2.1 RESA is the maintained area at the end of the runway strip that protects an aeroplane from hazards if it undershoots or overruns the runway. RESA is not required for Code 1 and 2 non-instrument runways.

*Note: Prior to 2004, RESA were able to commence from the end of the runway, or stopway, if provided. It will be specified in the AIP from where the RESA starts.*

1.3 **Aerodrome Reference Code - Code Number (CN)**

- 1.3.1 A reference code number is provided for each RWY listed in the RDS (in brackets after each RWY designation number). This code number indicates the maximum field length of the aeroplane that the RWY is designed for. Code numbers and associated field lengths are as follows:
  - 1 - Field length of less than 800M
  - 2 - Field length of 800M up to, but not including, 1200M
  - 3 - Field length of 1200M up to but not including 1800M.
  - 4 - Field length of 1800M and over.
- 1.3.2 Pilots should note that the field length of an aeroplane is based on the performance of an aeroplane during certification and is not related to the actual RWY length provided at an aerodrome.

- 1.3.3 Use the code number to determine the applicable standards of obstacle-clear approach gradients, take-off gradients and takeoff survey areas for the RWY. The code number is not intended to limit aircraft operations at an aerodrome. Aircraft operators and/or pilots must ensure that the published aerodrome information meets requirements for their aircraft operations.

#### 1.4 Obstacle-Clear Approach Gradients

- 1.4.1 The obstacle-clear approach gradient is normally based on the following standard:
- the threshold is located at least 60M from the intersection of the obstacle-clear approach surface with the extended RWY centre line; and
  - obstacle-clear approach gradients of:
    - 5% for a code 1 RWY or MIL Visual APCH RWY up to 800M length,
    - 4% for a code 2 RWY or MIL Visual APCH RWY 800M up to 1200M length,
    - 3.3% for a code 3 and 4 RWY, and or MIL Visual APCH RWY 1200M up to 1800M length,
    - 2.5% for a MIL Visual APCH RWY 1800 M and over.
    - 3.3% for NPA Code 1, 2 or 3 RWY;
    - 2% for NPA Code 4 and precision APCH RWY,  
(MIL RWYs: 2.0% for 3000M, then 2.5% until outer horizontal surface, then horizontal).
- 1.4.2 Any variation to the standard is explained in a note under the relevant declared distances entry.

#### 1.5 Obstacle-Clear Takeoff Gradients

- 1.5.1 Areas from the ends of runways, defined in accordance with the table below, are surveyed for obstacles. The obstacle-clear takeoff gradient is based on the greatest vertical angle with the horizontal subtended by an obstacle within the surveyed area. This gradient information is shown in brackets immediately following the TODA information. Liaise with the AD OPR if obstacle information is required.
- 1.5.2 Supplementary Takeoff Distances Available (STODA) are shown for obstacle-clear takeoff gradients (within the same defined area) of 1.6%, 1.9%, 2.2%, 2.5%, 3.3% and 5% if the TODA gradient exceeds these figures and the resultant STODA is greater than 800M.
- 1.5.3 Where an existing fence or levee is located very close to the RWY end, the fence or levee may not be taken into account in the assessment of the obstacle-clear takeoff gradients for TODA and STODA purposes. In such cases, information of the height and location of the fence or levee will be provided in a note under the relevant declared distances entry.
- 1.5.4 If the survey area is not in accordance with the table below, details of the actual obstacle survey area are provided below the relevant declared distances entry.

#### 1.6 Takeoff Runway Survey Areas

| Takeoff Climb Surface - Dimensions            | Take-off Runways Code Number |       |                 |           |
|-----------------------------------------------|------------------------------|-------|-----------------|-----------|
|                                               | 1                            | 2     | 3 or 4          | MIL       |
| Length of inner edge                          | 60M                          | 80M   | 180M            | RWS WID   |
| Minimum distance of inner edge from RWY end @ | 30M                          | 60M   | 60M             | CWY DIST  |
| Rate of divergence (each side)                | 10%                          | 10%   | 12.5%           | 13.2%     |
| Final Width                                   | 380M                         | 580M  | 1200M<br>1800M# | 2518M     |
| Overall length                                | 1600M                        | 2500M | 15000M          | 15,000M\$ |

# When the takeoff procedure includes changes of heading greater than 15DEG for operations conducted in IMC or VMC by night.

@ The takeoff climb surface starts from the end of clearway if a clearway is provided.

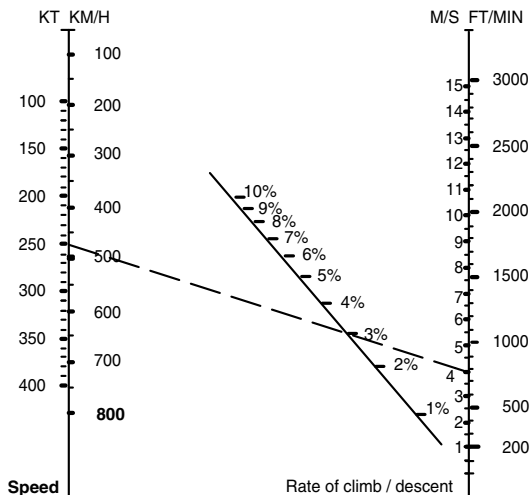
\$3000M for RWYs < 1200M.

**SLOPE:** on RWY quoted is the difference between the maximum and the minimum elevation along the centre line of the RWY divided by its length and expressed as a percentage to the nearest one-tenth of a percent. The “down” slope and its direction are tabulated in all cases, e.g. “0.8% down to SE”. Where significant slope variations occur, additional data may be shown in notices, e.g. “E end level, centre section 0.5% down to W, W end 0.1% down to E”.

**RWS WIDTH:** is the width from side to side which contains the RWY, the graded and ungraded portions of the RWS, shown in metres only. The GRADED portion of the RWS may be defined by boundary markers and is graded to alleviate damage to an ACFT in the event that it runs off the RWY. The UNGRADED portion of the RWS is free of upstanding objects but may contain depressions, trenches, etc.

### 1.7 Climb/Descent Gradient Graph

1.8 Example: At a speed of 250KT (470KM/H), a gradient of 3% corresponds to a rate of 760FT/MIN (4M/SEC).



Climb/descent gradient (%) versus rate of climb/descent in metres/second (M/S) and feet/minute (FT/MIN) at speed in kilometres/hour (KM/H) and knots (KT).

**ABRA MINE****ELEV 1730****AVFAX CODE 6619**

WA

UTC +8

YABR

243727S

1183713E

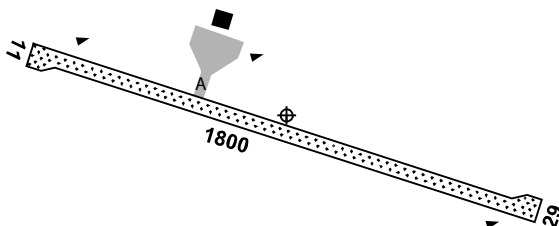
VAR 1 DEG E

CERT

AD OPR Abra Mining Pty Ltd, Level 2, 1100 Hay Street, West Perth, WA, 6005.

Email: ARO/AD MGR aerodrome@abramining.com.au. PH 08 6183 3200.

PH AH ARO/AD MGR 08 6183 3258.

**REMARKS**

Restricted OPS: 24HR PPR from AD OPR.

**HANDLING SERVICES AND FACILITIES**

Marshalling, parking allocation and ground handling services by prior arrangement with AD MGR.

**APRONS AND TAXIWAYS**

TWY A - Code C, 15M unsealed.

**AERODROME OBSTACLES**

1. MIOL lit mast 2,056FT AMSL BRG 244 DEG MAG 2.6NM FM ARP. Infringes COS by 170FT.
2. Silo 1,921FT AGL BRG 239 DEG MAG 2.22NM FM ARP. Infringes COS by 49FT. Unlit.
3. Terrain:
  - a. 1,957FT AMSL BRG 169 DEG MAG 2,236M FM ARP. Infringes inner HZS by 86FT.
  - b. 1,900FT AMSL BRG 245 DEG MAG 2.59NM FM ARP. Infringes COS by 13FT.

**PHYSICAL CHARACTERISTICS**

11/29 105 59c PCN 16 /F /A /980 (142PSI) /T Unsealed. Gravel. WID 30 RWS 150

**AERODROME AND APPROACH LIGHTING**

RWY 11/29 PTBL(1)

BY PRIOR ARRANGEMENT

(1) EMERG only. 60MIN PN.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE

123.4 3500FT

**LOCAL TRAFFIC REGULATIONS**

1. ACFT ABV 5,700KG to use MAX RAD MNM speed turns at RWY ends only.
2. RWS not AVBL for flight OPS.

**FLIGHT PROCEDURES**

Right hand CCTS on RWY 29 due to terrain S of the AD.

**CTAF** 126.7**ADDITIONAL INFORMATION**

Plume rise SFC to 1,998FT AMSL BRG 240 DEG MAG 2.17NM FM ARP.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3346.
2. Also refer to AIP Departure and Approach Procedures.

**ADAMINABY****ELEV 3350****FULL NOTAM SERVICE NOT AVBL**

NSW

UTC +10

YADY

355954S

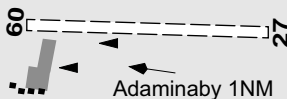
1484748E

VAR 13 DEG E

UNCR

AD OPR Snowy River Aviators, PO Box 1387, Cooma, NSW, 2630. Email: rkillen@snowy.net.au.

PH 0428 409 107.

**REMARKS**

1. Landing donations appreciated.
2. Club fly-ins every first SUN of the month weather permitting.

**PHYSICAL CHARACTERISTICS**

1. 09/27 Grass (unrated).
2. Slope APRX 1.5% down to E.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE

120.75 Only AVBL ABV 4400 FT (CCT HGT)

**LOCAL TRAFFIC REGULATIONS**

Park at western end.

**FLIGHT PROCEDURES**

1. Left hand circuits RWY 09 and RWY 27.
2. Avoid overfly Adaminaby township if able.

**CTAF** 126.7**ADDITIONAL INFORMATION**

1. Caution: mountains.
2. Caution: windshear all RWY when westerly wind is greater than 10KT.
3. Snowy mountain land forecast and observations are recommended to be consulted in addition to aviation weather products prior to OPR.
4. Entry gate from road is kept locked.

**CHARTS RELATED TO THE AERODROME**

WAC 3457, 3470.



**ADELAIDE****ELEV 20****AVFAX CODE 5001**

SA

UTC +9:30

YPAD

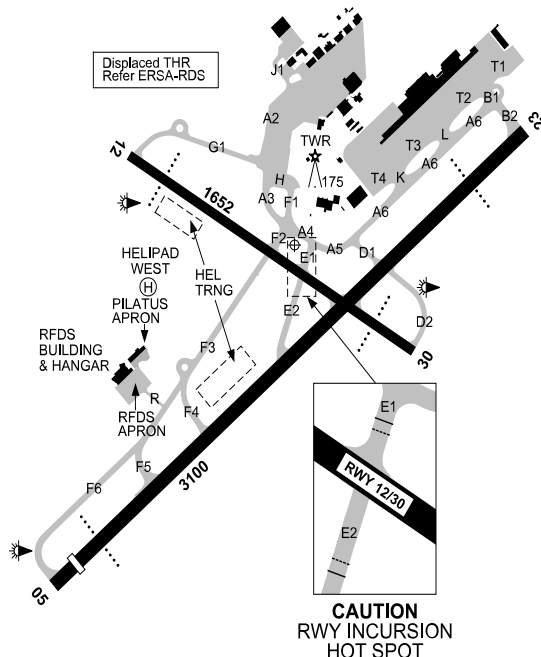
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1383150E

VAR 8 DEG E

CERT

AD OPR Adelaide Airport Limited (AAL), 1 James Schofield Drive, Adelaide International Airport, Adelaide, SA, 5950. PH 08 8308 9211: H24 8154 9444. Fax 08 8308 9311.

**REMARKS**

This AD is a Security Controlled Airport.

**HANDLING SERVICES AND FACILITIES**

AIR BP: 1830-1330 UTC. Phone 08 8234 4677, Mobile 0410 566 059, Fax 08 8234 3617.

AH 45MIN PN. AVGAS, JET A1 and JET/FSII. BP Carnet Card, Sterling Card or Account only.

MOBIL: H24. PH 08 8234 4844, Fax 08 8234 4741, Mobile 0418 121 221, JET A1 only. Mobil account, World Fuel Services, UVair cards and authorisations accepted.

Viva Energy Aviation: Adelaide Airport 1900-1330 UTC, Duty Mobile 0447 238 327. AH 45MIN PN call 0455 430 638. Fuel2Sky Carnet Cards or Credit cards (V and MC). JET A1, AVGAS and JetPlus.

**General**

The AD OPR does not provide ACFT marshalling services. All requests for ACFT marshalling should be directed to the Airlines or a FBO.

**RESCUE AND FIREFIGHTING SERVICES**

1. CAT 9: 2015-1345 UTC (1HR earlier HDS).
2. CAT 5: 1345-2015 UTC (1HR earlier HDS).
3. EMERG FREQ 131.0 MHz AVBL H24
4. Water Rescue Service AVBL H24

**APRONS AND TAXIWAYS**

1. Helipad West Lit.
2. HLS not AVBL for HEL ABV 9,000KG.

AERODROME OBSTACLES

Lit BLDG 591FT AMSL BRG 055DEG MAG 8,355M FM SOT RWY 05.

METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT A, METAR/SPECI, TAF3 H24, AD WRNG, WS WRNG.
2. AWIS PH 08 8150 3800 - Report faults to BoM.
3. MET INFO AVBL FM Airservices Pilot Briefing. Elaborative briefing FM MWO 08 8366 2773.

PHYSICAL CHARACTERISTICS

|       |     |      |                                        |        |         |
|-------|-----|------|----------------------------------------|--------|---------|
| 05/23 | 042 | 102a | PCN 89 /F /D /1600 (232PSI) /T Grooved | WID 45 | RWS 280 |
| 12/30 | 115 | 54a  | PCN 70 /F /D /1600 (232PSI) /T Grooved | WID 45 | RWS 280 |

AERODROME AND APPROACH LIGHTING

|           |               |             |               |
|-----------|---------------|-------------|---------------|
| RWY 05/23 | HIRL          |             | SDBY PWR AVBL |
| RWY 05/23 | MIRL          |             | SDBY PWR AVBL |
| RWY 05    | PAPI          | 3.0 DEG61FT | SDBY PWR AVBL |
| RWY 23    | HIAL-CAT I(1) |             |               |
| RWY 23    | PAPI          | 3.0 DEG59FT | SDBY PWR AVBL |
| RWY 12/30 | MIRL          |             | SDBY PWR AVBL |
| RWY 12/30 | PAPI          | 3.0 DEG51FT | SDBY PWR AVBL |

- (1) Aligned with ILS GP
1. **ALS type and length**

a. RWY 23 - distance coded CL: 801M.
2. RWY edge light spacing: 05/23: 57M; 12/30: 59M.
3. For B747 OPS, the THR wheel clearance height does not meet ICAO requirements. Pilots should make adjustment accordingly.

OTHER LIGHTING

- ABN                   ALTN 8 WG
1. Secondary PWR switchover time: 1 SEC during LVP, 15 SEC OT.
2. TWY LGT: Green CL.
3. Helipad lighting AVBL SDBY PWR AVBL.
4. RWY 05/23 RWY guard lights at all TWY/RWY intersections.

ATS AND AERODROME COMMUNICATION FACILITIES

|         |                   |                                                   |
|---------|-------------------|---------------------------------------------------|
| ACD     | ADELAIDE DELIVERY | 126.1                                             |
| APP/DEP | ADELAIDE APPROACH | 118.2 (2) 124.2 (3) 128.6 (4) 243.0 (5) 306.3 (4) |
| ATIS    | ADELAIDE ATIS     | 116.4 134.5                                       |
| SMC     | ADELAIDE GROUND   | 121.7                                             |
| TWR     | ADELAIDE TOWER    | 120.5                                             |
| VOLMET  | AUSTRALIA         | 6676 (1) 11387 (1)                                |

- (1) H24, BCST 00 - 05 & 30 - 35. Refer AIP GEN 3.5.
- (2) WI 36NM of Adelaide SE of extended CL RWY 05/23.
- (3) WI 36NM of Adelaide on and NW of extended CL RWY 05/23.
- (4) WI 50NM N of Adelaide, Edinburgh CTR and Restricted Areas H24.
- (5) EMERG FREQ. FREQ will be tested 2130-2330 Local WED. Test transmissions up to 10 SEC duration may be made during these times.

RADIO NAVIGATION AND LANDING AIDS

|     |     |                    |           |            |     |
|-----|-----|--------------------|-----------|------------|-----|
| DME | AD  | 116.4/111X         | 345649.5S | 1383127.9E | (1) |
| VOR | AD  | 116.4              | 345649.1S | 1383128.3E |     |
| DME | IAD | 109.7/ 34X (RWY23) | 345636.9S | 1383230.1E | (2) |
| GP  | IAD | 333.2 (RWY23)      | 345636.7S | 1383229.8E |     |
| ILS | IAD | 109.7 (RWY23)      | 345735.4S | 1383055.1E |     |
| LOC | IAD | 109.7 (RWY23)      | 345735.4S | 1383055.1E |     |

- (1) Antenna ELEV 35FT.
- (2) Antenna ELEV 30FT.

## LOCAL TRAFFIC REGULATIONS

### 1. ACFT PARKING

- a. TWY F4 not AVBL to ACFT ABV Code D.
- b. TWY D1, E1 and E2 not AVBL to ACFT ABV Code C.
- c. TWY A2 NE of TWY G1 restricted to MAX Code C (B737) ACFT.
- d. RESTRICTION: ACFT ABV Code C to execute 180DEG turns at RWY 23 THR, 05 TWY end and adjacent TWY F5. RWY 23 THR 180DEG turns not AVBL to A350, A380, B777-300, B787-10, B747-8 ACFT.
- e. RESTRICTION: RWY 12/30 Not AVBL to ACFT ABV Code C (TKOF) and Code D (Landing).
- f. RESTRICTION: ACFT ABV Code D to use TWY A3 to A6, B, F2 to F6 except F4, T1 to T3, K and L only.
- g. All aircraft must provide their parked position/gate number to ATC on acknowledgement of airways clearance.
- h. ENG starting involving the use of more than idle PWR RQ ATC clearance.
- i. T1 Apron - all code C ACFT are required to push back in E direction only.
- j. The following taxi restrictions apply to Code C aircraft and below pushed back from Terminal 1:
  - TWY B1 not available from Bays 15 to 27.
  - TWY B1 and L not available from Bays 22 to 27.
- k. Aircraft landing RWY 05 first AVBL TWY is E2 unless otherwise advised by ATC.
- l. TWY H and F1 restricted to MAX Code C ACFT.
- m. TWY R restricted to MAX 18M wingspan ACFT.
- n. ACFT operating greater than 400 tonnes on RWY 05/23 to seek pavement concession.

### 2. GENERAL AVIATION APRON

- a. Hardstand located on Terminal 2 APN via TWY A2: AVBL for local commercial operators, private and overnight itinerant ACFT. No tie-down points AVBL.
- b. Private and overnight parking must be approved by the Airside Operations Manager - Phone 08 8154 9444 or Fax 08 8308 9324.

### 3. TRAINING FLIGHTS

- a. All ACFT planning practice instrument APCH (AVBL 0700-2300 Local) RQ prior ATC approval. Pilots must book a slot online at [www.bookawk.com](http://www.bookawk.com).
- b. Training Flights involving an approach to the reciprocal end of the RWY nominated for departures are not permitted.
- c. Non-jet training ACFT carrying out a practice instrument approach should plan a missed approach or full stop landing. Touch and Go landings are not normally approved.
- d. PPR Adelaide TCU Supervisor 03 9235 2012 for circling APCH at night or when VIS is less than 5,000M or ceiling is BLW A025.
- e. Circuit training is only permitted at Adelaide BTN 0700-2100 Local (extended to 2200 Local HDS). RQ prior ATC approval. Pilots must book a slot online at [www.bookawk.com](http://www.bookawk.com). Noise abatement preferred RWY and flight paths may be waived.

### 4. SURVEY, AWK (NON-TRAINING), COASTAL TRANSIT AND PARACHUTING FLIGHTS

- a. The following flights must book online via [www.sa.bookawk.com](http://www.sa.bookawk.com). If access to the booking page is not AVBL contact the Adelaide TCU Supervisor on 03 9235 2012 BTN 0630 and 1930 Local DLY;
  - (i) Survey and AWK (non-training) flights planning to operate in CTA WI 36 NM Adelaide;
  - (ii) ACFT planning to transit AD CTR via the coast. If transit is required in both directions as part of the one flight, two slots should be booked; and
  - (iii) Parachuting flights planning to drop WI Adelaide CTR.
- b. For survey flights, operators must email maps to:  
[adelaide.tcu@airservicesaustralia.com](mailto:adelaide.tcu@airservicesaustralia.com) and call Adelaide TCU Supervisor on 03 9235 2012 to discuss their planned operations prior to becoming airborne each day.

**5. IFR TRAINING AREAS**

IFR ACFT requiring an area for training may plan to operate in:

- (i) The Vincent IFR Training Area (VITAA) - The lateral limits of the VITAA are AD 230R-AD260R, 20DME-36DME AD.
- (ii) The FALEE IFR Training Area (FALEE) - The lateral limits of the FALEE are AD 280R-AD310R 20DME-36DME AD.

**6. HELICOPTER OPERATIONS**

- a. HEL air taxi via lit TWY at night.
- b. Wherever possible, helicopters shall depart a HLS in the same direction as the duty runway nominated on the ATIS, advising direction of take off with the taxi call e.g. "(CS) Request taxi, Departure South West".
- c. Subject to traffic, weather and priority considerations, helicopters shall adhere to the following departure and arrival routes:
  - (i) NW - via University playing fields and River Torrens outlet
  - (ii) SW - via Sea Rescue Squadron or Sewerage Treatment Works
  - (iii) N - over Kooyonga Golf Course
  - (iv) E - via Richmond Road and Keswick railway bridge
  - (v) S - via Glenelg Golf Course
- d. During HN, ATC and pilots will endeavour to confine as much noise as possible within the boundary of the aerodrome by ensuring helicopters depart and arrive overhead the Control Tower.

**7. HELICOPTER TRAINING**

- a. During daylight hours and in VMC, helicopter AWK will take place from the training sites adjacent to and parallel with RWY 12/30 and 23/05, known respectively as the Western and Southern training areas.
- b. NVIS equipped helicopters may operate from these areas HN in VMC.

**FLIGHT PROCEDURES****1. ATC TRAFFIC MANAGEMENT SPEED**

When **not** on a SID or STAR (including vectoring) - ACFT ARR or DEP YPAD must not exceed 250KT IAS when BLW 10,000FT. Advise ATC if a higher speed is operationally required.

**2. ESTIMATED TRAFFIC DELAYS****2.1. Estimated airborne traffic delays for ARR ACFT may be expected due to terminal area traffic density.**

- a. Scheduled:
  - (i) MON-FRI 0700-1000 UTC: 10MIN.
- b. Non-scheduled/other:
  - (i) MON-FRI 2200-0300 UTC: 10MIN.
  - (ii) MON-FRI 0700-1100 UTC: 15MIN.

**3. VFR HJ: Do not plan to transit or over-fly the Adelaide CTR below 6,000FT where an alternate route is available. Where an alternative route is not available, plan:**

- a. Coastal FM OHB to PNL or
- b. Coastal PNL to OHB or
- c. Hope Valley VFR ROUTE.

**4. VFR HJ: Departures from Adelaide to Parafield, AWK training flights plan via OHB. Other ACFT plan via PAL.****5. LOW VIS TAKEOFFS**

For CASA approved operators, all RWY are capable of supporting takeoffs with an RVR/RWY VIS of not less than 550M.

**NOISE ABATEMENT PROCEDURES**

CURFEW applies - See AIP DAP Noise Abatement Procedures.

**ADDITIONAL INFORMATION**

1. The Pelican Point Power Station near the container terminal to the NW of Torrens Island emits a continuous plume of high temperature and high velocity gas discharges. Remain clear at all times.

- Bird hazard exists. Pigeon flocks concentrate on RWY 23 and RWY 30 approaches. Pelican activity on RWY 05 approach.
- Weather balloon launches APRX 2315 and 1115 UTC. Launches may occur at other times.
- Model ACFT OPR HJ WI 160M radius of PSN 345618S 1383554E, BRG 075 DEG MAG 3.3NM FM ARP, SFC to 400FT AGL.

### CHARTS RELATED TO THE AERODROME

- WAC 3458, 3459.
- Aerodrome Obstacle Chart Type A: January 2022 AVBL from AD OPR.
- Also refer to AIP Departure and Approach Procedures.

### ADELAIDE/PARAFIELD

**ELEV 57**

### AVFAX CODE 5002

SA

UTC +9:30

YPPF

344736S

1383759E

VAR 8 DEG E

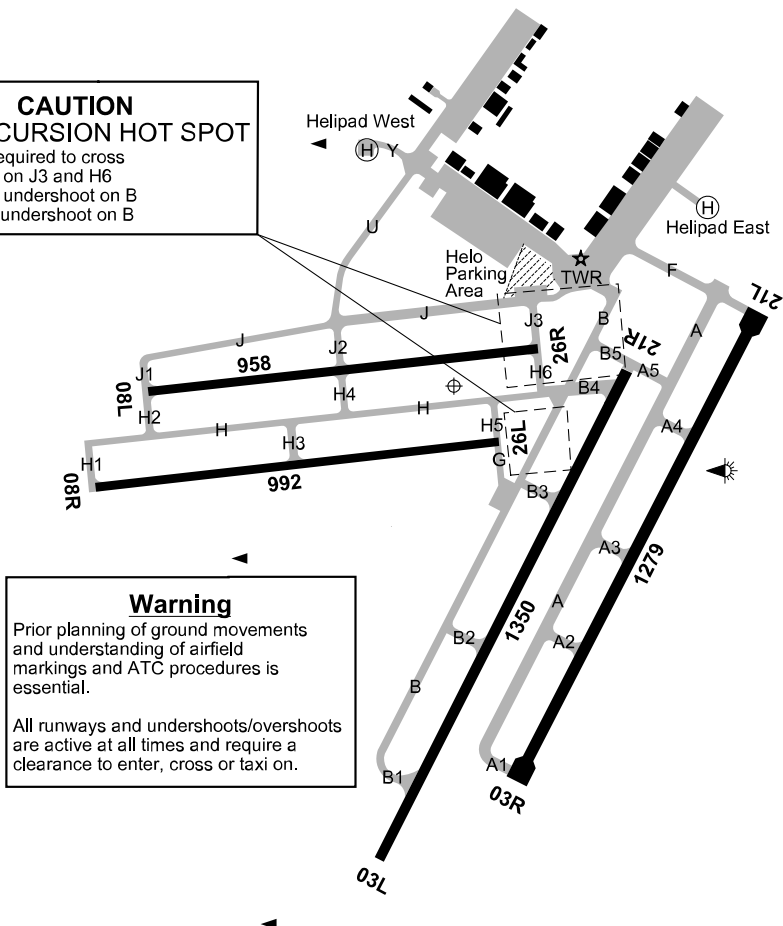
CERT

AD OPR Parafield Airports Limited (PAL), PO Box 652, Salisbury, SA, 5108. PH 08 8307 5700.

Fax 08 8281 5006.

**CAUTION**  
**RWY INCURSION HOT SPOT**  
 Clearance required to cross

- RWY 26R on J3 and H6
- RWY 26R undershoot on B
- RWY 26L undershoot on B



REMARKS

- 1. Airport Coordination Centre (ACC) H24: (08) 8154 9444.
- 2. RWY 03L/21R, TWY F, TWY A north of TWY A5, TWY A5 and TWY B not AVBL to ACFT ABV 9,000KG MTOW.
- 3. Remainder of AD not AVBL to ACFT ABV 5,700KG MTOW.
- 4. Parafield is a Security Controlled Airport.

HANDLING SERVICES AND FACILITIES

BP - Johnson Refuelling: 1700-0700 UTC DLY, AH HO 30 MIN PN. Phone 08 8281 0499, Fax 08 8281 9302 H24, MOB 0419 722 797. AVGAS, JET A1, O117, O125, O156. AVGAS, JET A1, H24 Phone 0412 602 447. HO 2200-0830 UTC DLY. AH 30 MIN PN. O117, O125, O128, O155, O156, Stark Aviation Pty Ltd. Phone 0412 602 447.

General

The AD OPR does not provide ACFT marshalling services. All requests for ACFT marshalling should be directed to a FBO.

PASSENGER FACILITIES

PT/TX/HC 08 8250 4488.

APRONS AND TAXIWAYS

CAUTION: HELs arriving and/or departing Helipad East may operate in close proximity to TWY F.

AERODROME OBSTACLES

2 lit towers 275/6NM YPPF, 411FT AMSL.

METEOROLOGICAL INFORMATION PROVIDED

- 1. TAF CAT B, METAR/SPECI.
- 2. AWIS Phone 08 8150 3813 - Report faults to BoM.

PHYSICAL CHARACTERISTICS

|         |     |     |                               |        |        |
|---------|-----|-----|-------------------------------|--------|--------|
| 03L/21R | 020 | 44a | PCN 6 /F /C /1000 (145PSI) /T | WID 18 | RWS 90 |
| 03R/21L | 020 | 42c | Unrated. Sealed               | WID 18 | RWS 90 |
| 08L/26R | 077 | 31a | Unrated. Sealed               | WID 18 | RWS 90 |
| 08R/26L | 077 | 33a | Unrated. Sealed               | WID 18 | RWS 90 |

AERODROME AND APPROACH LIGHTING

RWY 03L/21R LIRL(1) SDBY PWR AVBL

- (1) Displayed continuously outside TWR HRS.
- 1. RWY 03L/21R edge light spacing: 90M.
- 2. RWY 03L turn pad blue edge lights.

OTHER LIGHTING

- ABN FLG 6 W Not AVBL outside TWR HR.
- 1. Aeronautical Ground Lights:
    - a. Positioned at BOLIVAR (344617.8S 1383409.6E) visible from 092DEG MAG through S to 312 MAG.
    - b. Omni directional strobe light positioned at BONFIRE HILL (343917.0S 1385712.2E) for visual guidance to ACFT ARR/DEP from/to NE.
  - 2. TWY LGT: TWY B only Green CL.
  - 3. SDBY PWR switchover time: 15 SEC.

## ATS AND AERODROME COMMUNICATION FACILITIES

|      |                  |             |
|------|------------------|-------------|
| FIA  | ADELAIDE CENTRE  | 130.45      |
| ATIS | PARAFIELD ATIS   | 120.9 416   |
| SMC  | PARAFIELD GROUND | 119.9       |
| TWR  | PARAFIELD TOWER  | 118.7 124.6 |

1. TWR FREQ RQMNTS stated on ATIS.
2. If ATIS not AVBL use PRI TWR FREQ 118.7.
3. TWR HR:
  - a. MON-FRI: 2130-0930 UTC (1HR earlier during HDS)
  - b. SAT-SUN: 2230-0830 UTC (1HR earlier during HDS)
 Phone: 08 8258 1745^ for urgent operational issues; 08 8258 1149^ (TWR Manager) for all other issues.
4. Parafield TWR provides ATS within Class D airspace SFC to 1,500FT.
5. Outside TWR HRS airspace becomes Class G. CTAF procedures apply.

## RADIO NAVIGATION AND LANDING AIDS

|     |                                                                                                                                         |     |           |            |                  |     |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|------------|------------------|-----|
| NDB | PF                                                                                                                                      | 416 | 344747.3S | 1383752.2E | Range 35 (HN 35) | (1) |
| (1) | Pilot monitored outside TWR HR 2. 051/0.8 to ARP. 3. Warning: Excessive needle bearing fluctuations may occur in the minor arc 050-150. |     |           |            |                  |     |

## LOCAL TRAFFIC REGULATIONS

1. S apron TWY, designated for ACFT below 24M MAX wingspan.
2. Start Clearance Required on SMC FREQ 119.9 for circuit operations.
3. **PARKING RESTRICTIONS**
  - a. Hardstand - local commercial operators only.
  - b. Private and overnight itinerant - grass apron only.
  - c. HJ itinerants in front of TWR.
  - d. E grass apron designated for ACFT WI 15M MAX wingspan and BLW.
  - e. Helicopter parking SW of TWR and delineated by blue markers.

## FLIGHT PROCEDURES

1. **ATC TRAFFIC MANAGEMENT SPEED**  
When **not** on a SID or STAR (including vectoring) - ACFT ARR or DEP PF via Class C airspace must not exceed 250KT IAS when BLW 10,000FT AMSL. Advise ATC if a higher speed is operationally required.  
*Note: Pilots must also comply with Class D airspace speed limits. Cancellation of ATC traffic management speeds does not cancel Class D airspace speed limits.*
2. CAUTION: Fast moving, heavy ACFT operate in close proximity to the Parafield CTR in both the Adelaide CTR and Edinburgh Military CTR. Pilots of all ACFT must exercise vigilance to avoid unauthorised entry unless specifically cleared to enter these portions of airspace.
- 2.1 When HEL circuit OPS are included on the ATIS, fixed wing ACFT must extend at least 1NM FM the upwind THR FM the nominated RWY before turning crosswind, or join final outside 1NM FM the THR of the nominated RWY, unless otherwise advised by ATC.
3. DEPARTURES VFR HJ:
  - a. For entry into ADJ CTA or Military Restricted Area plan via SKI or SUB.
  - b. For transit of Adelaide CTR where an alternative route is not available, plan COT FM OHB to PNL (book online via [www.bookawk.com](http://www.bookawk.com)) or via HOPE VALLEY VFR ROUTE.
  - c. For landing at Adelaide, ACFT not involved in AWK/training may plan via PAL.
4. ARRIVALS VFR HJ:
  - a. From ADJ CTA or Military Restricted Area, plan via OHB or DMW.
  - b. From transit of Adelaide CTR where an alternative route is not available, plan COT PNL to OHB (book online via [www.bookawk.com](http://www.bookawk.com)) or via HOPE VALLEY VFR ROUTE.
5. AWK TRNG DEPARTURE SLOT
- 5.1 AWK TRNG flights planning to enter or over-fly AD CTR must book a DEP SLOT except when:
  - a. Planning to use SKI DEP, SUB DEP or RWY 03 SID Radar, or
  - b. VMC does not exist in the PF CTR.
 Bookings must be made online via [www.sa.bookawk.com](http://www.sa.bookawk.com) prior to flight planning. If access to the booking page is not AVBL call Adelaide TCU Supervisor on 03 9235 2012.

6. PF VOR, RNP and NDB PROC not AVBL for training. PROC AVBL for ARR when meteorological conditions require IAP.
7. IFR OPERATIONS IN VMC: Pilots electing to commence or terminate an IFR flight under the VFR should communicate such intention at the earliest possible time to ensure their arrival or departure is processed efficiently. Requests made on Adelaide Approach WI 5 minutes flight time of PF CTR may not be approved due ATC workload. Short notice requests should be made on first contact with PF TWR.
8. Refer to LYNDPOCH (YLYK) ERSA FAC entry for Barossa Valley operations.

## **9. LOW VISIBILITY OPERATIONS**

- 9.1 Low visibility operations NOT AVBL. RWY light spacing greater than 60M.

## **10. DEPARTURES**

- 10.1 REQ AWY CLR from Parafield Ground 119.9 for:
  - a. VFR HN and IFR flights into ADJ Class C and MIL Restricted Area R265A;
  - b. VFR flights into AD CTR or terminating in EDN CTR.
- 10.2 VFR flights intending to enter ADJ Class C airspace, R255 or R265A via SUB or SKI REQ SSR code from Adelaide Centre on 130.45 passing SUB or SKI.
- 10.3 VFR flights intending to upgrade to IFR in ADJ Class G REQ SSR code from Adelaide Centre on 130.45 on ground at YPPF. Contact Adelaide Centre on 130.45 passing SUB or SKI for identification and further instructions.
- 10.4 Pilots intending to operate in the training areas shall specify the WESTERN TRAINING AREA (D220/D280) with TAXI call.
- 10.5 ACFT DEP to the WESTERN Training Area shall conduct a SKI DEP.
- 10.6 Pilots not departing directly into CTA shall include 'For (SUB/SKI) Departure' with the Ready Call.
- 10.7 DEP in accordance with the following:
  - a. SKI DEPARTURE Climb to and maintain 1,000FT AMSL to SKI (Remain outside Class C airspace).

Unless otherwise instructed follow the tracking instructions below:

- (i) RWY 21R - FM right crosswind track south of the Bolivar Strobe to SKI - remaining clear of ED CTR.
- (ii) RWY 03L - FM left crosswind track south of the Bolivar Strobe to SKI - remaining clear of ED CTR.
- (iii) RWY 26R - FM upwind track south of the Bolivar Strobe to SKI - remaining clear of ED CTR.
- (iv) RWY 08L - FM left downwind track south of the Bolivar Strobe to SKI - remaining clear of ED CTR.

DEP from Helipad:

- (i) Duty RWY 21: FM crosswind follow RWY 21R instructions.
- (ii) Duty RWY 03: FM crosswind follow RWY 03L instructions.
- (iii) Duty RWY 26: FM upwind follow RWY 26R instructions.
- (iv) Duty RWY 08: use RWY 08L.

DEP from other RWY follow ATC instructions to join SKI departure from the duty RWY.

Unless otherwise advised, pilots should automatically change to 130.45 (Adelaide Centre) at SKI.

- b. SUB DEPARTURE (Remain outside Class C airspace). Unless otherwise instructed, follow the instructions below:
  - (i) RWY 21L - Climb to 1,000FT AMSL. FM left downwind track to SUB - remaining clear of AD CTR. Continue climbing to 1,500FT AMSL when east of PF and clear of TFC.
  - (ii) RWY 03R - Climb to 1,500FT AMSL. FM upwind track to SUB.
  - (iii) RWY 26R - Climb to 1,000FT AMSL. FM right crosswind track to SUB - remaining clear of ED CTR. Continue climbing to 1,500FT AMSL when north of PF and clear of TFC.
  - (iv) RWY 08L - Climb to 1,000FT AMSL. FM left crosswind track to SUB - remaining clear of ED CTR. Continue climbing to 1,500FT AMSL when north of PF and clear of TFC.



DEP from Helipad:

- (i) Duty RWY 21: make a right circuit and continue right downwind until advised or until entering Class G airspace.
- (ii) Duty RWY 03: maintain upwind until advised or until entering Class G airspace.
- (iii) Duty RWY 26: FM crosswind follow RWY 26R instructions.
- (iv) Duty RWY 08: use RWY 08L.

DEP from other RWY follow ATC instructions to join SUB departure from the duty RWY. Unless otherwise advised, pilots should automatically change to 130.45 (Adelaide Centre) at SUB.

10.8 ROUTES:

- a. ACFT DEP to E into Class G airspace TR via the Sub Station (SUB) and then advised to TR via South Para Reservoir (SPR) and remain clear of the WRR - DMW TR to avoid ARR ACFT.
- b. ACFT DEP to NW into Class G airspace TR via St Kilda (SKI) S of BOLIVAR strobe light (Caution: May be opposite direction of HEL OPS at A005).
- c. ACFT DEP into the vicinity of EDN outside EDN TWR HR TR via BOLIVAR strobe light. CAUTION: BOLIVAR strobe light is in close proximity to the western EDN circuit.

11. **ARRIVALS**

11.1 ROUTES:

ARR VFR ACFT should track via and report:

- a. FM NW via Class G airspace: Report OHB and track S of BOLIVAR strobe light.
- b. FM NE via Class G airspace: Should track via WRR then track via and report at DMW.
- c. HEL with TAS not more than 90KT FM NE via Class G airspace: May track to and report at a point 0.5NM SE of the DMW (report SE abeam the DMW).
- d. FM the vicinity of EDN CTR outside EDN TWR HR: EDN - PF.  
ACFT should remain clear of the SUB - SPR TR to avoid DEP ACFT.  
CAUTION: West of DMW - ACFT may be DEP via the SUB.
- e. ACFT ARR FM the vicinity of EDN CTR outside EDN TWR HR shall track via and report at EDN.

11.2 ALTITUDE:

- a. ALT: 1,500 FT.
- b. Helicopters arriving from the NW may TR via SKI S of Bolivar strobe at 500FT.  
Requirement to reduce speed to not more than 90KT.

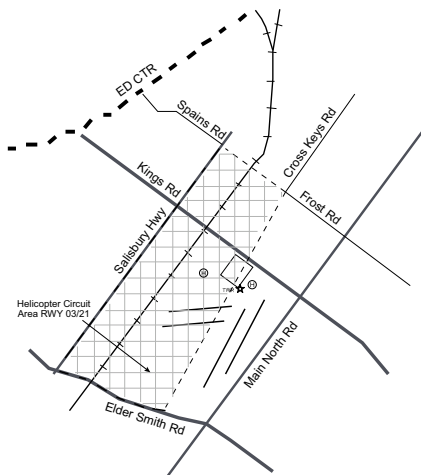
12. **CIRCUIT PROCEDURES**

- 12.1 Circuit operations during TWR HR require prior booking at <https://sa.bookawk.com>
- 12.2 Circuit ALT: 1,000FT.
- 12.3 Full stop landing followed by further CCTS: Pilots shall advise ATC (with the downwind full stop call) intention to conduct further CCTS.
- 12.4 ATC will consider nominating an alternative RWY when the crosswind on RWY 03/21 exceeds 10 KT.
- 12.5 Asymmetric training in multi engine ACFT only AVBL on RWY 03/21.
- 12.6 Simulated ENG failure in single ENG ACFT after TKOF not permitted.
- 12.7 CAUTION: Helicopter CCTS are conducted WI the fixed wing circuit.
- 12.8 ATC may restrict circuit OPS.
- 12.9 Circuit directions during TWR HR:
  - (i) RWY 03R HJ - right: HN - not AVBL.
  - (ii) RWY 03L HJ - left: HN - left.
  - (iii) RWY 21R HJ - right: HN - right.
  - (iv) RWY 21L HJ - left: HN - not AVBL.
  - (v) RWY 08R HJ - right: HN - not AVBL.
  - (vi) RWY 08L HJ - left: HN - not AVBL.
  - (vii) RWY 26R HJ - right: HN - not AVBL.
  - (viii) RWY 26L HJ - left: HN - not AVBL.

13. **HELICOPTER OPERATIONS**

- 13.1 Fixed wing CTR departures and entry procedures, apply.
- 13.2 Pilots shall nominate the HLS they wish to use on initial CTC with Parafield TWR or Ground.
- 13.3 HLS DEP and ARR must be parallel to the duty RWY unless otherwise specified by ATC.

- 13.4 Pilots shall advise completion of OPS on TWR FREQ when vacating the Western HLS (i.e. Pad West).
- 13.5 ARR Pad East: Minimum delay on Pad when duty RWY 03/21 CTC GND after vacating.
- 13.6 Southern grass is the area contained by a line 60M west of TWY B and 60M south of RWY 08R/26L, flight strip extended to the perimeter fence to the south and west (caution needs to be exercised due NDB hut and MET compound).
- 13.7 CIRCUITS:
- Circuit ALT: 800FT.
  - Fixed wing circuit direction applies.
  - CCTS must be conducted WI the fixed wing circuit.
  - For RWY 03/21 the HEL circuit shall be a straight line FM the corner of Cross Keys and Frost Roads, south to Elder Smith Road, west to the Salisbury HWY, north along Salisbury HWY to Spains Rd, and east to corner of Cross Keys and Frost Roads.



- A continuous look-out for fixed wing traffic must be maintained.
  - A maximum of 3 HEL are permitted to operate CCTS concurrently.
- 13.8 AUTO-ROTATIONS:
- Initial departure and subsequent turns shall be made in the nominated circuit direction.
  - Prior to commencement, pilots shall notify ATC of the intent to conduct an auto-rotation.
  - After commencement, orbits and teardrop turns, inclusive of contra direction turns, are permitted without the approval of ATC.
  - Helicopters must remain clear of other circuit traffic.
14. **COMMUNICATION FAILURE**
- Carry out Communication Failure procedures in EMERG.
  - TR via the appropriate VFR approach point.
  - Enter Parafield CTR at 1,500FT and TR to overhead the aerodrome at that altitude.
  - Ascertain landing direction and join the appropriate circuit for the runway selected.
  - The preferred runway for landing should be:  
The runway nominated in the joining or sequencing instruction, or  
The arrivals / departure runway nominated on the ATIS (subject to direction of arrival).
  - When ready, descend to circuit altitude remaining clear of the other circuit.
  - Maintain separation from other aircraft.
  - Proceed with normal circuit and landing.
  - Watch for light signals from the TWR.

## 15. **AEROBATIC OPERATIONS**

For Aerobatic Flights WI 20NM Adelaide, refer Adelaide ERSa entry 'LOCAL TRAFFIC REGULATIONS'.

**16. OUTSIDE TWR HR:**

- a. RWY availability:
  - (i) RWY 03L/21R - H24
  - (ii) RWY 08R/26L - HJ only
  - (iii) RWY 08L/26R and 03R/21L - not AVBL.
- b. RWY 08R/21R - right hand CCTS.
- c. ACFT departing for Class C airspace CTC Adelaide Centre, on TAX, REQ transponder code and REQ AWY CLR at the holding point when ready.
- d. ACFT DEP into the vicinity of EDN shall TR via BOLIVAR strobe light.
- e. ACFT ARR FM vicinity of EDN CTR outside EDN TWR HR shall TR EDN - PF.
- f. IFR ACFT shall cancel SARWATCH with Adelaide Centre after LDG.
- g. A MAX of 5 ACFT are permitted in the circuit.

**CTAF - AFRU 118.7**

Outside TWR HR.

**NOISE ABATEMENT PROCEDURES**

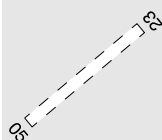
1. Circuit training is permitted only BTN the FLW HR:
  - a. MON-FRI 2130-1330 UTC (HDS 2030-1230 UTC) - 0700-2300 Local.
  - b. SAT 2130-1130 UTC (HDS 2030-1030 UTC) - 0700-2100 Local.
  - c. SUN 2300-1130 UTC (HDS 2200-1030 UTC) - 0830-2100 Local.
  - d. Christmas Day - No circuit training.
  - e. New Years Day - No circuit training.
  - f. ANZAC Day - 2330-1330 UTC - 0900-2300 Local.
2. Outside TWR HR, preferred RWY, 03L/21R.
3. Circuit Training Operations HN:
  - a. RWY 03L: Left Hand CCTS.
  - b. RWY 21R: Right Hand CCTS.

**ADDITIONAL INFORMATION**

1. Bird hazard exists WI circuits and environs.
2. Multiple power stations near the container terminal to the NW of Torrens Island emits a continuous plume of high temperature and high velocity gas. Remain clear at all times.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3458, 3459.
2. Also refer to AIP Departure and Approach Procedures.

**ADELS GROVE**

QLD  
184133S 1383153E  
AD OPR R and M Low Mow, PMB 2, Mount Isa, QLD, 4825.  
Email: info@adelsgrove.com.au. PH 07 4748 5502. Fax 4748 5600.

**FULL NOTAM SERVICE NOT AVBL**

UTC +10 YALG  
VAR 5 DEG E UNCR

**HANDLING SERVICES AND FACILITIES**

AVGAS pump.

**PASSENGER FACILITIES**

AC/TX/RF/WC.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 125.7

**CTAF 126.7****ADDITIONAL INFORMATION**

All ACFT are to avoid overflying Century Mine and associated plant area NE of AD due blasting OPS.

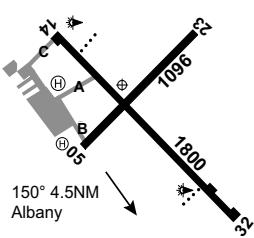
**CHARTS RELATED TO THE AERODROME**

WAC 3220.

ALBANY

ELEV 233

AVFAX CODE 6301



WA  
345636S  
AD OPR City of Albany, PO Box 484, Albany, WA, 6331.  
Email: [airport@albany.wa.gov.au](mailto:airport@albany.wa.gov.au). ARO 08 6820 3711.

1174832E  
VAR 2 DEG W

UTC +8  
YABA  
CERT

REMARKS

1. AD Charges: All ACFT.
2. This AD is a Security Controlled Airport. Security Gate access code to access terminal and/or airside can be obtained by contacting ARO.

HANDLING SERVICES AND FACILITIES

AIR BP: 2300-0900 UTC JO, 0000-0400 UTC SAT, AH call-out fee applies. Phone 08 6820 3781.  
Air BP Carnet card 24H bowser AVGAS and JET A1. JET A1 pressure refuel AVBL with 30 MINS PN.

PASSENGER FACILITIES

TX/HC/LG/RF/WC

APRONS AND TAXIWAYS

1. TWY B AVBL for ACFT 10,000KG and below.
2. TWY C AVBL for RFDS ACFT only and ACFT under 5,700KG with MAX wingspan 15M.  
(No access to main APN for larger ACFT from this TWY).

AERODROME OBSTACLES

1. Lit mast 671FT, Willyung Hill, BRG 091 DEG MAG 1.94NM FM ARP.
2. Secondary lit mast 603FT, Willyung Hill, BRG 088 DEG MAG 2.06NM FM ARP.
3. Transient OBST - truck on highway 4.5%. Infringes RWY 23 take-off SFC.

METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT C, METAR/SPECI.
2. AWIS Phone 08 6216 2600 - Report faults to BoM.
3. AWIS FREQ 122.125 (requires one-second pulse to activate) - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

|       |     |     |                                |        |         |
|-------|-----|-----|--------------------------------|--------|---------|
| 05/23 | 047 | 36a | PCN 10 /F /A /1050 (152PSI) /U | WID 30 | RWS 90  |
| 14/32 | 137 | 59a | PCN 21 /F /A /1250 (181PSI) /T | WID 30 | RWS 150 |

AERODROME AND APPROACH LIGHTING

|           |                                                                          |                 |             |                      |
|-----------|--------------------------------------------------------------------------|-----------------|-------------|----------------------|
| RWY 05/23 | PTBL(2)                                                                  |                 |             | BY PRIOR ARRANGEMENT |
| RWY 14/32 | LIRL(3)                                                                  | AFRU+PAL 127.85 |             | SDBY PWR AVBL        |
| RWY 14/32 | PTBL(2)                                                                  |                 |             | BY PRIOR ARRANGEMENT |
| RWY 14    | PAPI(1)                                                                  | AFRU+PAL 127.85 | 3.0 DEG53FT | SDBY PWR AVBL        |
| RWY 32    | PAPI(1)                                                                  | AFRU+PAL 127.85 | 3.0 DEG49FT | SDBY PWR AVBL        |
| (1)       | Left side only. AFRU+PAL requires three three-second pulses to activate. |                 |             |                      |
| (2)       | EMERG and by arrangement.                                                |                 |             |                      |
| (3)       | AFRU+PAL requires three three-second pulses to activate.                 |                 |             |                      |
| 1.        | RWY edge light spacing: 14/32: 60M.                                      |                 |             |                      |
| 2.        | PAL cycle 60MIN.                                                         |                 |             |                      |

OTHER LIGHTING

1. Secondary PWR switchover time: 15 SEC.
2. TWY A LGT blue; TWY C LGT blue.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

MELBOURNE CENTRE

123.9 On ground

**RADIO NAVIGATION AND LANDING AIDS**

|     |     |            |           |            |                                        |     |
|-----|-----|------------|-----------|------------|----------------------------------------|-----|
| DME | ABA | 109.7/ 34X | 345659.8S | 1174835.5E |                                        | (1) |
| NDB | ABA | 240        | 345707.8S | 1174837.9E | Range 100 (HN 60) OW<br>200 (OW HN110) | (2) |

- (1) Antenna ELEV 260FT.  
 (2) 355/0.6 to ARP.

**LOCAL TRAFFIC REGULATIONS**

1. ACFT above 18,000KG to turn on nodes only with MAX RAD turns.
2. RWS not AVBL for TKOF or LDG.
3. TWY B not AVBL for ACFT ABV 10,000KG.
4. Parking:
  - a. Bay 2 restricted to RPT ACFT or ACFT approved by senior reporting officer. ACFT may park on Bay 1 with prior approval or pilot may be RQ to remain in attendance to move ACFT at short notice.
  - b. HEL parking on marked grass section N side of TWY Alpha and also, W side of TWY Bravo.
  - c. ACFT below 5,700KG and MAX wingspan of 15M only parking in GA parking area: NW of main APN.
  - d. Limited parking for all ACFT ABV 5,700KG MTOW or wingspan greater than 15M. Contact AD for parking.
  - e. Tie downs are not load rated.

**CTAF - AFRU** 127.85**ADDITIONAL INFORMATION**

1. All Pilots and Operators must possess and display a current Aviation Security Identification Card (ASIC) when airside.
2. Weather balloon launch APRX 2315 UTC FM 680M ENE ARP. Launches may occur at other times.
3. Aircraft on approach to RWY 05 should be aware of the potential risk of windshear due to local weather conditions.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3462.
2. Also refer to AIP Departure and Approach Procedures.

**ALBURY****ELEV 539****AVFAX CODE 2234**

NSW

360404S

1465729E

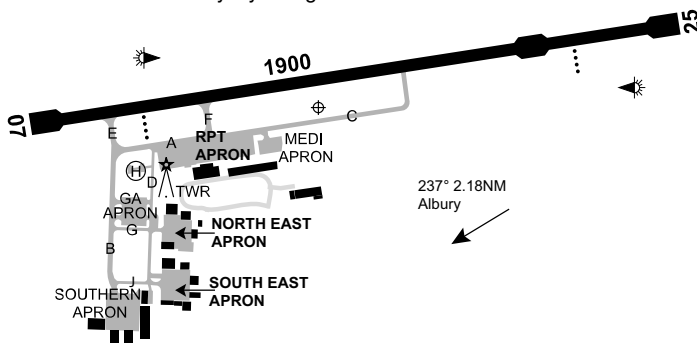
UTC +10

VAR 12 DEG E

YMAY

CERT

AD OPR Albury City Council, PO Box 323, Albury, NSW, 2640.

Email: [airport@alburycity.nsw.gov.au](mailto:airport@alburycity.nsw.gov.au). PH Manager 02 6023 8111. ARO 0418 691 776:0428 691 801. Website: [www.alburycity.nsw.gov.au](http://www.alburycity.nsw.gov.au).

**REMARKS**

1. AD Charges: refer to website.
2. This AD is a Security Controlled Airport. All pilots and operators must possess and display a current Aviation Security Identification Card (ASIC) when airside, and wear a high visibility safety vest while on APN area.

**HANDLING SERVICES AND FACILITIES**

World Fuel Services: JET A1 Tanker Refueller, AVGAS Tanker Refueller, H24 AVGAS bowser, WFS carnet card, V and MC via Compac Pay smartphone APP.

Attended 0800-1700 Local MON-FRI and 0800-1200 Local SAT/SUN. 24HR Duty Refueller 0428 567 599, Email: alburyaviationfuels@gmail.com.

Sureflight Aviation Services - Full FBO services and lounge amenities to CIVIL and MIL ACFT up to 5,700KG 2200-0600 UTC MON-FRI, 1 HR earlier HDS. AH and ACFT up to 50,000KG approval required FM AD OPR with 6HR PN. Parking, short-term hangarage, catering, cleaning, courtesy car, direct and airside vehicle access/escort AVBL. Email: contact@sureflight.com.au or PH: 1300 239 252, located NE APN.

24HR pilot's lounge, located adjacent to the GA parking. Sponsored by the Albury Aero Club. Gavin 0418 399 331.

**AERODROME OBSTACLES**

1. Mast on building BRG 037 DEG MAG 464M FM ARP. Infringes TNS by 4.9FT.
2. Anemometer BRG 242 DEG MAG 650M FM ARP. Infringes TNS by 0.6FT.
3. Lit towers
  - a. 200FT AMSL BRG 010 DEG MAG 1,590M FM ARP.
  - b. 953FT AMSL BRG 204 DEG MAG 2,870M FM ARP.
  - c. 953FT AMSL BRG 214 DEG MAG 2,490M FM ARP.
  - d. 3 x TWR 1,713FT AMSL BRG 351 DEG MAG 5,300M FM ARP.
4. Lit poles
  - a. 738FT AMSL BRG 050 DEG MAG 2,740M FM ARP.
  - b. 1,250FT AMSL BRG 083 DEG MAG 8,160M FM ARP.
  - c. 1,470FT AMSL BRG 190 DEG MAG 7,500M FM ARP.
  - d. 1,031FT AMSL BRG 251 DEG MAG 5,180M FM ARP.
  - e. 1,031FT AMSL BRG 256 DEG MAG 5,100M FM ARP.
  - f. 1,031FT AMSL BRG 261 DEG MAG 5,000M FM ARP.
5. The following obstacle penetrates the VSS
  - a. Hazard light 1,076FT AMSL BRG 262 DEG MAG 4,995M FM ARP.
6. The following trees penetrate the VSS
  - a. 1,004FT AMSL BRG 258 DEG MAG 4,957M FM ARP.
  - b. 594FT AMSL BRG 260 DEG MAG 1,405M FM ARP.
  - c. 593FT AMSL BRG 060 DEG MAG 1,526M FM ARP.
  - d. 739FT AMSL BRG 057 DEG MAG 2,759M FM ARP.
  - e. 587FT AMSL BRG 059 DEG MAG 1,478M FM ARP.
  - f. 590FT AMSL BRG 060 DEG MAG 1,569M FM ARP.
  - g. 597FT AMSL BRG 072 DEG MAG 1,728M FM ARP.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT B, METAR/SPECI.
2. AWIS PH 02 9353 6400 - Report faults to BoM.
3. AWIS FREQ 134.525 (requires one-second pulse to activate) - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

07/25      069   62a   PCN 29 /F /C /1400 (203PSI) /T Grooved      WID 30      RWS 150  
Turn pads each end and 400M from RWY 25 THR, 45M WID.

**AERODROME AND APPROACH LIGHTING**

- |           |         |                 |               |               |
|-----------|---------|-----------------|---------------|---------------|
| RWY 07/25 | MIRL    | AFRU+PAL 123.25 |               | SDBY PWR AVBL |
| RWY 07/25 | RTIL    | AFRU+PAL 123.25 |               | SDBY PWR AVBL |
| RWY 07    | PAPI(1) | AFRU+PAL 123.25 | 3.0 DEG51.6FT | SDBY PWR AVBL |
| RWY 25    | PAPI(2) | AFRU+PAL 123.25 | 3.0 DEG51.4FT | SDBY PWR AVBL |
- (1) Right side.  
 (2) Left side. PAPI RWY 25 not to be used beyond 3NM FM AD when R368 ACT (SFC-2200).  
 1. RWY edge light spacing: 07/25: 60M.  
 2. AFRU+PAL AVBL outside TWR HR.  
 3. RWY 07/25: Outside TWR HR PAPI Stage 2 MAN or PAL, SDBY PWR AVBL supplied by AD generator in the event of mains PWR failure.

**OTHER LIGHTING**

- ABN OCC 6 W
- SDBY PWR switchover time: 1 SEC during LVO up to 15 SEC OT.
  - No RWY centreline lights are provided.
  - TWY LGT: Blue edge on TWY A, B, C, E, F and J. Blue reflective edge on TWY D.
  - PTBL battery operated EMERG lighting AH Phone 0418 691 776, 0428 691 801.

**ATS AND AERODROME COMMUNICATION FACILITIES**

- |      |                  |                                  |
|------|------------------|----------------------------------|
| FIA  | MELBOURNE CENTRE | 125.2 On ground (outside TWR HR) |
| ATIS | ALBURY ATIS      | 115.6 133.85                     |
| SMC  | ALBURY GROUND    | 121.8                            |
| TWR  | ALBURY TOWER     | 123.25                           |

- TWR HR:
  - MON-FRI: 2015-1030 UTC.
  - SAT: 2300-0700 UTC.
  - SUN: 2300-1030 UTC.
 Phone 02 6020 7101^.  
*Note: All times 1HR earlier during HDS. TWR HR may change at short notice, check status of airspace with ATS or Albury ATIS.*
- Albury TWR provides combined TWR and APP CTL services within Class D airspace, 4,500FT AMSL and BLW DRG TWR HR. CTC TWR for clearance.
- Outside TWR HR, Albury Class C and D airspace 8,500FT AMSL and BLW becomes Class G.

**RADIO NAVIGATION AND LANDING AIDS**

- |     |    |            |           |            |     |
|-----|----|------------|-----------|------------|-----|
| DME | AY | 115.6/103X | 360405.2S | 1465758.3E | (2) |
| VOR | AY | 115.6      | 360404.8S | 1465757.9E | (1) |
- (1) 259/0.4 to ARP  
 (2) Antenna ELEV 545FT.

**LOCAL TRAFFIC REGULATIONS**

- RWY grass strips not MNTN for ACFT OPS.
- TWY A, B, C, E, F and J AVBL to ACFT ABV 5,700KG.
- TWY D and G not AVBL to ACFT ABV 5,700KG.
- TWY D not AVBL to ACFT with wingspan greater than 15M.
- Intersection DEP RWY 07 permitted FM TWY E, refer to RDS.
- All ACFT ABV 5,700KG must only conduct 180 DEG turns at RWY 07/25 threshold or turning nodes.
- Training circuits not permitted MON-SUN 1100-2100 UTC (1HR earlier HDS).
- Instrument approach training**  
 All ACFT planning practice instrument APCH during TWR HRS require prior ATC approval. Pilots must book a slot online at [www.nsw.bookawk.com](http://www.nsw.bookawk.com).

**FLIGHT PROCEDURES**

- LOW VISIBILITY OPERATIONS**
  - LVO AVBL during TWR HR
  - RV assessment measurements AVBL.
  - Preparations for the activation of LVP are commenced when the visibility has reduced to 1,500M or less, and/or cloud ceiling is 200FT or less and further reducing. This ensures that the LVP are in force at or just prior to the visibility reducing to 800M.

- d. When visibility is less than 800M, ATC will limit vehicle access on the manoeuvring area to the Airport Operations Officer and RFFS/other EMERG vehicles.
  - e. Aircraft OPS in VIS less than 800M when ATC is not operating by prior arrangement only, contact aerodrome operator.
  - f. Low VIS DEP on RWY 07/25 not AVBL BLW 550M VIS.
2. Right hand circuits RQ when OPR RWY 07, except as directed by ATC.
  3. Simulation of ENG failure after TKOF RWY 25 must only be initiated:
    - a. In HJ only
    - b. Not BLW 1,500FT AMSL

**CTAF - AFRU** 123.25

Outside TWR HR.

### ADDITIONAL INFORMATION

1. Wildlife hazard exists. Most common species: bats, ducks, galahs and ibis.
2. Model ACFT OPR HJ WI 500M RAD Ettamogah BRG 355 MAG 3.85NM FM AD up to 400FT AGL.
3. Caution - sections of TWY C not fully visible to the control tower.

### CHARTS RELATED TO THE AERODROME

1. WAC 3470.
2. Also refer to AIP Departure and Approach Procedures.
3. Aerodrome Obstruction Chart Type A: RWY 07/25, Edition 2, SEP 2015.

## ALDINGA

**ELEV 110**

### FULL NOTAM SERVICE NOT AVBL

SA 351720S 1382936E UTC +9:30 YADG  
AD OPR Aldinga Aviation Pty Ltd, PO Box 579, Willunga, SA, 5172. UNCR  
Email: [secretary@aldingaaviation.com.au](mailto:secretary@aldingaaviation.com.au). PH 0493 542 499.  
Website: [www.aldingaaviation.com.au](http://www.aldingaaviation.com.au).

### REMARKS

1. 1HR PPR.
2. AD Charges: All ACFT: single \$5, twin \$10; waived with fuel purchase.

### HANDLING SERVICES AND FACILITIES

AVGAS - 24HR credit card swipe bowser (MC and V only).

### PASSENGER FACILITIES

RF/WC. Courtesy car AVBL at AD, for more information email [car@aldingaeroclub.org.au](mailto:car@aldingaeroclub.org.au) or phone 0458 450 877 or 0434 370 566.

### ATS AND AERODROME COMMUNICATION FACILITIES

FIA ADELAIDE CENTRE 130.45 In the circuit

### FLIGHT PROCEDURES

1. Right hand CCTS RQ when OPR on RWY 18, RWY 21 or RWY 26.
2. Aldinga has a curfew. No TKOF or LDG BTN 2200-0600 Local during daylight saving hours. No TKOF or LDG BTN 2200-0700 Local at all other times. Landings only are permitted 2100-2200 Local.
3. Circuits are permitted from 0800-2000 Local MON-SAT and from 0900-2000 Local SUN.
4. Circuits are prohibited on Public Holidays with the exception of the Adelaide Cup Day, King's Birthday/Volunteers Day and Labour Day.

**CTAF - AFRU** 127.15



**ADDITIONAL INFORMATION**

1. CAUTION Training airfield - multiple RWY may be in use.
2. PJE OPS within 5NM of Aldinga Airfield.
3. Current details can be found on the Aldinga Aviation website.
4. Animal and bird hazard may exist.
5. ACFT OPS off sealed surfaces may be hazardous.

**CHARTS RELATED TO THE AERODROME**

WAC 3458, 3459.

**ALICE SPRINGS****ELEV 1789****AVFAX CODE 8501**

NT

UTC +9:30

YBAS

234824S

1335408E

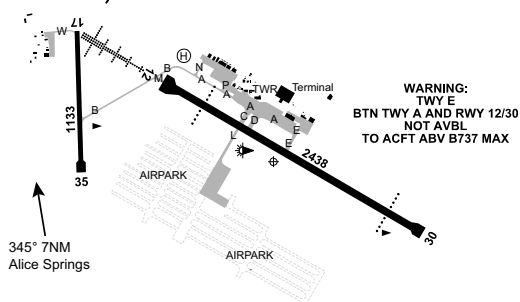
VAR 5 DEG E

CERT

AD OPR Alice Springs Airport Pty Ltd, PO Box 796, Alice Springs, NT, 0871.

Email: operationsASP2@adgnt.com.au. PH Admin: 08 8951 1211. ARO H24 0402 088 154.

Fax 8955 5046. Website: www.alicespringsairport.com.au.

**REMARKS**

1. AD Charges: All ACFT. Copies of Conditions of Use can be obtained from AD OPR or website.
2. Passengers and crew from all unscreened RPT services and MIL ACFT who have obtained permission FM AD OPR to park on the main RPT APN, shall enter the Terminal via Gates 1 or 10. Unscreend GA crew and PAX must not access Terminal airside via RPT APN.
3. This AD is a Security Controlled Airport.
4. Unscheduled operations diverting into Alice Springs require prior notice to the RFFS and Airport Management.
5. Limited PRKG for ACFT ABV 5,700KG MTOW. CTC AD OPR for PRKG approval.
6. All ACFT for the Airpark are to CTC www.apas.com.au for ARR/DEP PROC.

**HANDLING SERVICES AND FACILITIES**

Viva Energy Aviation: Dunning's Fuels Pty Ltd 2030-0830 UTC. PH 08 8955 5335 or 0417 644 965  
 AH call out fee applies. JET A1, AVGAS, JetPlus. Fuel2Sky Carnet Cards or credit cards (V and MC).

AIR BP: 2030-0800 UTC DLY, H24 AVGAS card bowser. PH 08 8952 1120 (diverts to refueller),  
 Fax 08 8955 5083, AH 0438 897 002. 60MIN PN. AVGAS, JET A1 and JET/FSII.

**General**

AD OPR does not provide ACFT marshalling. All requests should be made to RPT Airlines or fixed base operators.

**RESCUE AND FIREFIGHTING SERVICES**

1. CAT 6:
  - a. MON - FRI 2220-0915 UTC.
  - b. SAT 2220-0830 UTC.
  - c. SUN 2345-0915 UTC.
2. 131.0 MHz AVBL HO.

APRONS AND TAXIWAYS

1.

To minimise the effect of jetblast, all jet ACFT must TAX away FM APN PRKG positions using MNM breakaway thrust.
2.

Simultaneous use of TWY C and TWY D RESTR to ACFT with wingspan BLW 65M.
3.

All ACFT must TAX away FM RPT APN PRKG positions in accordance with the TAX lead-out lines.
4.

TWY A BTN TWY C and TWY P RESTR to ACFT with MAX 20M wingspan when Bay 9 occupied by B767-300 and ABV.
5.

Access via TWY A BTN TWY C and D not AVBL when Bay 26 or 28 occupied.
6.

TWY A west of RPT APN, TWY B and TWY M not AVBL to ACFT ABV Code B (Metro 23).
7.

TWY N, TWY P MAX wingspan 20M.
8.

GA APN RFDS TAX lanes RESTR to ACFT with MAX 16.6M wingspan.
9.

Access to GA refuelling RESTR to ACFT with MAX 12.5M wingspan.
10.

RESTR: Use of TWY L for ACFT under tow only.
11.

TWY W and APN W of N end of RWY 17/35 pavement rating: 5700/413 (60PSI).
12.

TWY E

a.

BTN TWY A and RWY 12/30 not AVBL to ACFT ABV B737 MAX.

b.

BTN TWY A and commuter APN not AVBL to ACFT ABV Dash 8-300.

c.

PCN 45/F/B/1450/T

AERODROME OBSTACLES

1.

Lit ATC TWR, 1,849FT AMSL, 336 DEG MAG, 0.3NM from ARP infringes transitional SFC by 8FT.
2.

When B737 and ABV parked on RPT APN, tail infringes transitional SFC.
3.

APN floodlights 270M north of RWY CL infringe transitional SFC by up to 11FT.
4.

Anemometer 180M south of RWY CL infringes transitional surface by 11FT.
5.

Lit masts:

a.

McDonnell Range (x3), 2,730FT AMSL, 329 DEG MAG, 5.6NM from ARP infringe outer HZS by up to 467FT.

b.

8HA aerial, 1,971FT AMSL, 320 DEG MAG 2.87NM from ARP. Infringes COS by 47FT.

METEOROLOGICAL INFORMATION PROVIDED

1.

TAF CAT A, METAR/SPECI, AD WRNG.
2.

AWIS Phone 08 7922 2500 - Report faults to BoM.
3.

AWIS FREQ 134.05 - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

|       |     |     |                                        |        |         |
|-------|-----|-----|----------------------------------------|--------|---------|
| 12/30 | 116 | 80a | PCN 60 /F /B /1750 (254PSI) /U Grooved | WID 45 | RWS 280 |
| 17/35 | 174 | 37a | PCN 4 /F /B /750 (109PSI) /U           | WID 18 | RWS 90  |

AERODROME AND APPROACH LIGHTING

- RWY 12/30

MIRL

SDBY PWR AVBL
- RWY 12/30

PAPI(3)

3.0 DEG49FT

SDBY PWR AVBL
- RWY 12/30

PTBL(1)

BY PRIOR ARRANGEMENT
- RWY 12

HIAL-CAT I

SDBY PWR AVBL
- RWY 12

HIRL

SDBY PWR AVBL
- RWY 17/35

PTBL(2)

BY PRIOR ARRANGEMENT
- (1)

EMERG and by arrangement.
- (2)

Solar lighting for HN and EMERG OPR only.
- (3)

Aligned with ILS GP.
1.

ALS type and length

a.

RWY 12 - distance coded CL: 900M.
2.

RWY edge light spacing: 12/30: 60M.
3.

RWY 12/30 RWY LGT and PAPI OPR Stage 2 HN; outside TWR HR Stage 6 HJ. Intensity changes on RQ during scheduled RPT hours. CTC AD OPR.
4.

OBSTR LGT and IWI OPR HN.
5.

HIAL OPR Stage 2 when TAF issued prior to 0830 Local indicates FCST or PROB of CLD or VIS less than CAT D ALTN MNM. HIRL and HIAL at other stages AVBL on 60MIN PN. Contact AD OPR 0402 088 154 H24. A fee may be payable for this SVC.

## OTHER LIGHTING

1. SDBY PWR switchover time: 15 SEC.
2. TWY LGT: Blue reflective edge on A and B BTN TWY M and RPT APN.
3. RWY 17/35 and TWY M, B lit HN with portable solar lighting.

## ATS AND AERODROME COMMUNICATION FACILITIES

|      |                  |                                  |
|------|------------------|----------------------------------|
| FIA  | MELBOURNE CENTRE | 119.8 On ground (Outside TWR HR) |
| ATIS | ALICE ATIS       | 115.9 123.0 335                  |
| TWR  | ALICE TOWER      | 118.3                            |

1. TWR HR: 2230-0830 UTC DLY. Phone 08 8950 7505.  
*Note: TWR HR may change at short notice, check status of airspace with ATS or Alice ATIS.*
2. Alice TWR provides combined TWR and APP CTL services within Class C and D airspace 6,500FT AMSL and BLW DRG TWR HR. CTC TWR for clearance.
3. Melbourne Centre 119.8 provides ATS within Class C airspace ABV 6,500FT AMSL DRG TWR HR.
4. Outside TWR HR, Alice Springs Class C and D airspace FL125 and BLW becomes Class G and Class C airspace FL125 - FL245 becomes Class E.

## RADIO NAVIGATION AND LANDING AIDS

|     |     |                    |           |            |                   |     |
|-----|-----|--------------------|-----------|------------|-------------------|-----|
| DME | AS  | 115.9/106X         | 234734.4S | 1335241.0E |                   | (2) |
| NDB | AS  | 335                | 234640.6S | 1335224.7E | Range 110 (HN 90) | (3) |
| VOR | AS  | 115.9              | 234734.4S | 1335241.6E |                   | (1) |
| DME | IAS | 109.9/ 36X (RWY12) | 234813.3S | 1335342.9E |                   | (5) |
| GP  | IAS | 333.8 (RWY12)      | 234813.1S | 1335343.0E |                   | (4) |
| ILS | IAS | 109.9 (RWY12)      | 234855.7S | 1335513.0E |                   | (4) |
| LOC | IAS | 109.9 (RWY12)      | 234855.7S | 1335513.0E |                   | (4) |

(1) 116/1.5 to ARP

(2) 116/1.5 to ARP - Antenna ELEV 1811FT.

(3) 131/2.3 to ARP. Possible excessive needle oscillations near McDonnell Ranges.

(4) Pilot Monitored outside TWR HR.

(5) Antenna ELEV 1795FT.

## LOCAL TRAFFIC REGULATIONS

1. Departing ACFT which have not submitted flight notification to Airservices are to contact Alice TWR on 118.3 at least 5 MIN prior to requesting TAX clearance.
2. RESTRICTION: ACFT 80,000KG and ABV must use RWY 12/30 THR turning nodes. ACFT turn starboard 180DEG. Line designed to accommodate B777-300ER/A340-600 normal turn RAD. All ACFT to use MNM speed and MAX RAD turns to avoid pavement damage.
3. RESTRICTION: ACFT Code D (B767) and ABV must execute over steer turns from RWY 12/30 onto TWY C or D due insufficient TWY edge clearance.
4. PRKG Restrictions for non-RPT ACFT. PPR (obtainable FM AD OPR, AS, on at least 48 HR PN) for ACFT ABV 5,700KG MTOW to remain at or transit AS except when planned as ALTN.
5. Pilots are advised that IFR training and circuit training should be conducted before 0000 UTC, BTN 0400-0600 UTC and after 0730 UTC. Delays may be expected for training flights at all other times. Pilots are to contact TWR with training details at least 15 MIN prior to commencement.
6. Access to the GA APN via TWY A, N and P only.

## FLIGHT PROCEDURES

For A380 operations, CAT 1 ILS OPS RWY 12 DA is as per published procedures.  
Refer DAP W Alice Springs.

## CTAF - AFRU 118.3

Outside TWR HR.

ADDITIONAL INFORMATION

1. Manned balloon activity in the vicinity of the circuit area at sunrise and early morning.
2. Weather balloon launch APRX 2315 UTC FM 1.4KM WNW ARP. Launches may occur at other times.
3. Animal and bird hazard exists. Bird hazard reduced on very hot summer days with increased bird hazard May-August daily and in months after increased average rainfall. Occasional feral animals present and seasonal influx of migratory birds. Animal hazard managed to minimal risk during daily airport business HRS.
4. Sealed drag strip located 1KM W of AD, aligned parallel with RWY 17/35 may be mistaken for RWY. Confirm RWY identification by RWY markings/lights.

CHARTS RELATED TO THE AERODROME

1. WAC 3232.
2. Aerodrome Obstruction Chart Type A Charts: RWY 12/30, Edition 5, May 2021.
3. Also refer to AIP Departure and Approach Procedures.

ALPHA

ELEV 1255

AVFAX CODE 4110

085°

2.5 NM

Alpha

81

1486

36

QLD

233846S

1463501E

AD OPR Barcardine Regional Council, PO Box 11, Alpha, QLD, 4724.

PH 07 4985 1166. PH AH 0428 683 465.

PASSENGER FACILITIES

PT

UTC +10

VAR 8 DEG E

YAPH

CERT

PHYSICAL CHARACTERISTICS

18/36      180   48a   PCN 5 /F /B /580 (84PSI) /U      WID 30    RWS 90

AERODROME AND APPROACH LIGHTING

RWY 18/36    LIRL(1)    PAL 122.8    SDBY PWR AVBL

RWY 18/36    PTBL    BY PRIOR ARRANGEMENT

(1)    SDBY PWR 20MIN MAN Switching

ATS AND AERODROME COMMUNICATION FACILITIES

FIA      BRISBANE CENTRE      122.3 8500FT

CTAF 126.7

ADDITIONAL INFORMATION

Possibility of animals on AD.

CHARTS RELATED TO THE AERODROME

WAC 3234.

AMATA

ELEV 2172

14

32

SA

260550S

1311210E

AD OPR Amata Community Inc, Via Alice Springs, NT, 0870.

PH 08 8956 2911. Fax 08 8956 2921.

REMARKS

PPR.

PASSENGER FACILITIES

Telephone facilities not AVBL.

FULL NOTAM SERVICE NOT AVBL

UTC +9:30

VAR 4 DEG E

YAMT

UNCR

ATS AND AERODROME COMMUNICATION FACILITIES

FIA      MELBOURNE CENTRE      121.85 4000FT

**FLIGHT PROCEDURES**

Right hand CCTS required when OPR on RWY 32 at night.

**CTAF** 126.7**CHARTS RELATED TO THE AERODROME**

WAC 3344.

**AMBERLEY****ELEV 91****AVFAX CODE 4018**

QLD

273826S

1524243E

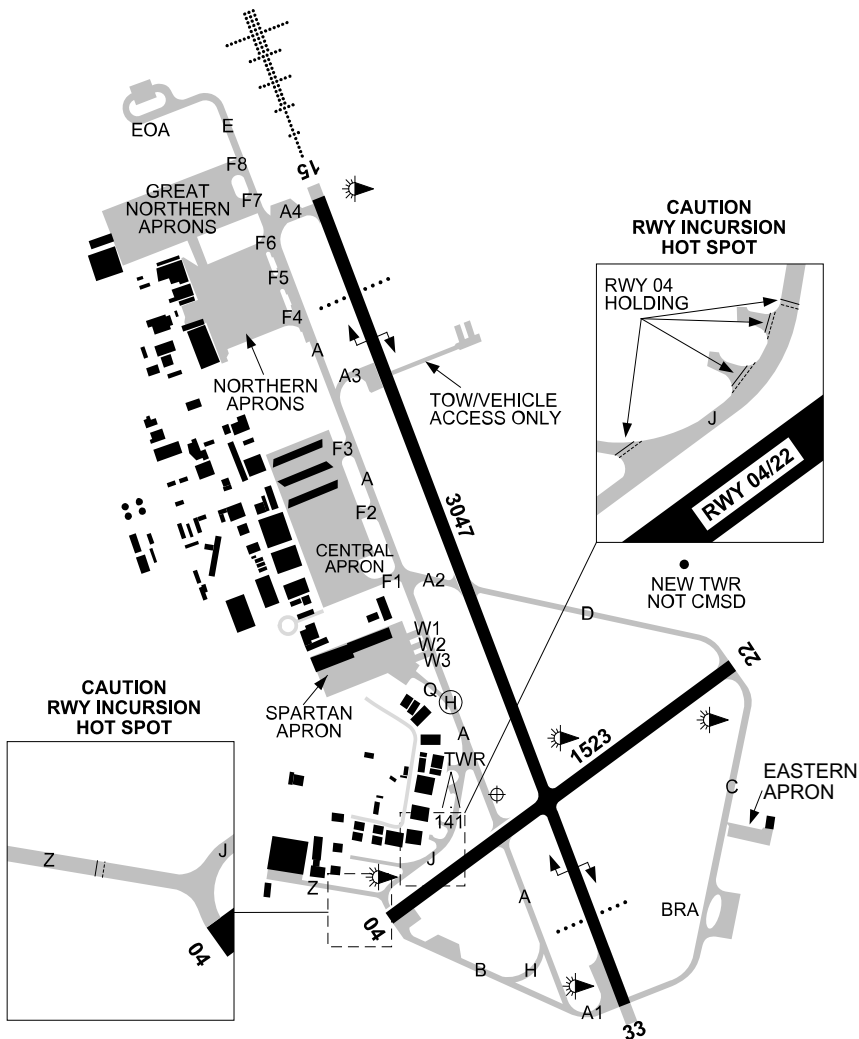
UTC +10

VAR 11 DEG E

YAMB

MIL

AD OPR RAAF, Airbase Operations Centre, RAAF Base Amberley, QLD, 4306. Email: amb.aboc@defence.gov.au. PH 07 5361 2888.



**REMARKS**

1. Aerodrome Operating Hours 2230-1300 UTC MON-THU, 2200-0700 UTC FRI. FAC may be unmanned outside aerodrome hours.
2. AD not open for public use. CIV OPS requesting air, landing and/or ground operations AMB require 48HR prior notification to Amberley Airbase Operations Centre (ABOC) by written request via email amb.aboc@defence.gov.au. Note comments in "FLIGHT PROCEDURES".
3. MED available 2130-0630 UTC MON-THU, 2130-0430 UTC FRI. OT available only for scheduled high performance ejection seat aircraft.
4. Visiting MIL ACFT planning to conduct instrument approach procedures or circuit training at YAMB - 24HR PN required to obtain prior approval to allow coordination with local operations. Phone ABOC 07 5361 2888, 0473 628 662. Written requests may be required.
5. Customs, Health and Immigration - 24HR PN.

**HANDLING SERVICES AND FACILITIES**

F34, 0135, O148, O156, H515, WTA (24HR PN), PRESAIR, HPOX, LHOX, LOX (24HR PN), LPOX, E1, E2, E3, E4, E5, E8, E9, E10, E11, E12, E13, E14, E15, E16, C, CM.

Air Movements/Base Duty Crew AVBL 2130-0630 UTC MON-THU, 2130-0230 UTC FRI, OT PN.

Airbase Operations Centre (ABOC) Phone 07 5361 2888 or 0473 628 662.

**General**

AMS (MIL) AVBL on 361.6 or THRU ABOC Phone 07 5361 2888 or THRU AMB Switch 07 5361 1111. AMS availability may be amended by NOTAM. AMS maybe vacated during promulgated HR when long breaks BTN SKED MOV occur. ABOC Duty contact only applies.

**RESCUE AND FIREFIGHTING SERVICES**

1. CAT 6 2200-1300 UTC, CAT 4 OT.
2. Higher RFFS CAT AVBL with 72HR PN through ABOC. CAT 8 AVBL subject to staffing.
3. Outside TWR HR CTC RFFS via CTAF.

**APRONS AND TAXIWAYS**

1. Central Apron  
PCN 42/F/C/1750 (254PSI)/T.  
Restricted to Code C ACFT only.
2. TWY A and E: WID 23M. TWY B, C, D, H, J, Q and Z: WID 15M.
3. TWY J restricted to 36M MAX wingspan.
4. TWY F4, F5, F6, F7, F8 and Northern Apron  
PCN 73/R/C/1750 (254PSI)/T KC-30A.
5. Pavement Concessions for KC-30A BLW 233,900KG (515,661LB) AUW,  
Tyre Pressure 1,420kPa (206PSI). Not RQ for Northern Apron and TWY F4, F5 and F6.  
All OPS with an AUW ABV 214,000KG (471,788LB) are to be recorded and notified on a monthly basis to email address adfces@drn.mil.au
6. TWY A4 lead in line displaced FM centre. Exercise caution when entering and exiting RWY due main landing gear proximity to outer edges of sealed SFC and RWY edge LGT.
7. HEL OPR in the Southern APN will GND Taxi utilising minimal PWR to reduce rotor wash.
8. Northern Apron tow road has OBST 29.6M from CL.

**SURFACE MOVEMENT GUIDANCE**

Illuminated TACAN marker boards RWY 15/33.

**AERODROME OBSTACLES**

Mast (Lit) HGT 1,457FT AMSL, PSN 273008.40S 1523530.47E, BRG 310/10.5NM FM ARP.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT A, METAR/SPECI, TAF3 issued hourly AVBL during MO HR (2200-0700 UTC MON-THU, 2200-0400 UTC FRI, EXC PH, OT by TAF RMK/NOTAM), AD WRNG, WS WRNG.
2. AWIS PH 07 3564 3700 - Report faults to BoM.
3. AWIS FREQ 316.2 - Report faults to 07 5361 2888.
4. MET INFO AVBL FM Airservices Pilot Briefing. Elaborative briefing FM Defence MO 07 3281 4656 when staffed. AH AVBL FM MWO 07 3239 8737.

## PHYSICAL CHARACTERISTICS

04/22 043 50a/b PCN 47 /F /C /2033 (295PSI) /T Grooved C5A WID 45 RWS 230  
 15/33 148 100a/b PCN 73 /F /C /2033 (295PSI) /T Grooved C5A WID 45 RWS 230

- ORPs W side of THR RWY 15/33. Asphalt area of Central Apron TP 210 GW 220.  
Helicopter activity on all grass areas. Illuminated DIST to run markers all RWY.
- Pavement concessions for C17 Globemaster BLW 265,805KG (586,000LB) AUW, tyre pressure 1,137kPa (165PSI) not RQ.  
Caution: C17 aircrew should be mindful of the ADDN effective WT of the ACFT during OPS using engine reverse thrust.

## ARRESTING GEAR

|        |            |       |            |        |
|--------|------------|-------|------------|--------|
| RWY 15 | BAK 14     | ----- | BAK 14     | RWY 33 |
|        | (R)(B)(2)  |       | (R)(B)(2)  |        |
|        | 464(1,521) |       | 464(1,521) |        |

Recessed bi-directional BAK 12/14 Hookcables INSTL 464M (1,521FT) FM THR  
 RWY 15/33 marked by Day-Glo orange disks. DIST BTN Cables 2,119M (6,953FT), NML OPR  
 PSN: arrestable ACFT OPR - DEP end up, APCH end - down; non arrestable ACFT OPR or outside  
 TWR HR - both ends down. No crossing RESTR in down PSN. In the event of PWR failure, cables  
 will rise to a HGT of 10CM until PWR restored - recommend ACFT not approved to trample  
 hookcables OPR BTN cables during CTAF HR. CONC absorber housing 1FT high ADJ RWY edge.

## AERODROME AND APPROACH LIGHTING

|           |               |                |             |               |
|-----------|---------------|----------------|-------------|---------------|
| RWY 04/22 | MIRL          | AFRU+PAL 118.3 |             | SDBY PWR AVBL |
| RWY 04/22 | PTBL(1)       |                |             |               |
| RWY 15/33 | HIRL(3)       | AFRU+PAL 118.3 |             | SDBY PWR AVBL |
| RWY 15/33 | PTBL(1)       |                |             |               |
| RWY 15    | HIAL-CAT I(5) | AFRU+PAL 118.3 |             | SDBY PWR AVBL |
| RWY 15    | PAPI(2)       | AFRU+PAL 118.3 | 3.0 DEG57FT | SDBY PWR AVBL |
| RWY 33    | PAPI(4)       | AFRU+PAL 118.3 | 3.0 DEG57FT | SDBY PWR AVBL |

- Electric (15 MIN SDBY). POSS loss of VIS CTC when abeam or circling for either RWY.
- Design ACFT A330. RWY 15 Aligned with ILS GP.
- POSS loss of VIS CTC when abeam or circling due equipment.
- Design ACFT A330.
- SFL

### 1. ALS type and length

- RWY 15 - distance coded CL: 905M.
- Fixed LGT settings outside TWR HR.
  - AFRU+PAL AVBL outside TWR HR.  
PAL Day Mode LGT INTST - PAPI stage 6; HIRL/HIAL/SFL Off.  
PAL Evening Mode LGT INTST - HIRL/HIAL/PAPI stage 4; SFL/TWY stage 2.  
PAL Night Mode LGT INTST - HIRL/HIAL/PAPI stage 2; SFL Off; TWY stage 1.
  - PAL activates AD LGT for 30 MIN. For manual activation of AD LGT in event of PAL failure,  
CTC CS "Base Fire" FREQ 118.3 MHz and REQ "PAL OVERRIDE".
  - HIRL/HIAL fixed INTST settings may RQ increased IAL VIS minima.

## OTHER LIGHTING

- Secondary PWR switchover time: up to 7 SEC.
- TKOF with RVR less than 800M shall be at pilots discretion.
- TWY LGT: Green CL. TWY B, H, J and Q unlit.

## ATS AND AERODROME COMMUNICATION FACILITIES

|      |                   |                           |
|------|-------------------|---------------------------|
| FIA  | BRISBANE CENTRE   | 121.2 (5)                 |
| FIA  | BRISBANE CENTRE   | 125.7                     |
| ACD  | AMBERLEY DELIVERY | 134.6 (4)                 |
| APP  | AMBERLEY APPROACH | 126.2 (1) 243.0 (2) 335.8 |
| ATIS | AMBERLEY ATIS (3) | 123.3 316.2               |
| SMC  | AMBERLEY GROUND   | 129.35                    |
| SMCV | AMBERLEY GROUND   | 121.925                   |
| TWR  | AMBERLEY TOWER    | 118.3 243.0 (2) 264.6     |

- (1) Mandatory for transit through AMB CTR and Restricted Areas.
- (2) EMERG FREQ
- (3) ATIS BCST on 123.3 and 316.2 when CTR ACT. AWIS OT. ATIS/AWIS AVBL PH 07 5361 3581
- (4) ACFT DEP Amberley, also all ACFT entering Amberley CTR and R625 FM Class G airspace are to make first CTC with AMB Delivery on 134.6 to pass FLT details and obtain SSR code. These ACFT can EXP to be issued a CLR prior to transfer to APCH.
- (5) Outside TWR HR, Limited coverage using 121.2 when on GND. CTC with BN CEN is AVBL on 134.3 when on GND. Use of this FREQ is strictly limited to cancelling SARWATCH, REQ CLR when TAX (only if planning to enter CTA IMT after DEP), and in an EMERG.
1. Test transmissions on EMERG FREQ 243.0 will take place each WED morning BTN 2100-2230 Local. Each transmission will not exceed 10 SEC.
2. HRS as per NOTAM.
3. Automatic retransmit FAC exist BTN FLW FREQ: 118.3/264.6; 126.2/335.8.
4. Pilots wishing to OPR WI AMB airspace RQ to MON ATIS to determine STS.
5. A/G FAC CTAF 118.3 coverage UNREL. Reported "Black Spots" on AD. Incidents of poor COV notify Base Aviation Safety Officer on 07 5361 4587.
6. ATS hours notified by NOTAM (refer YAMB). Outside ATS hours CTAF procedures apply. ATS may be ACT at short notice, check YAMB ATIS for status.
7. Amberley training areas may be active during ATS hours. AVFAX Code AEX - 0939, AWX - 0940, EVX - 0943.
8. ACFT planning to enter CTA IMT after DEP YAMB outside TWR HR, are to CTC BN Centre FREQ 134.3 only whilst TAX at YAMB. Otherwise FREQ 121.2 airborne prior to CTA entry to obtain CLR.

## RADIO NAVIGATION AND LANDING AIDS

|     |                                                                                          |                    |           |            |     |
|-----|------------------------------------------------------------------------------------------|--------------------|-----------|------------|-----|
| TAC | AMB                                                                                      | 112.5/ 72X         | 273829.5S | 1524258.0E | (1) |
| DME | IAM                                                                                      | 110.7/ 44X (RWY15) | 273727.4S | 1524228.9E | (3) |
| GP  | IAM                                                                                      | 330.2 (RWY15)      | 273727.4S | 1524228.9E |     |
| ILS | IAM                                                                                      | 110.7 (RWY15)      | 273859.8S | 1524303.4E | (2) |
| LOC | IAM                                                                                      | 110.7 (RWY15)      | 273859.8S | 1524303.4E |     |
| (1) | 272/0.23 to ARP. Possible bearing unlocks outside 20TAC in sector R100-R120 due terrain. |                    |           |            |     |
| (2) | ILS Critical Area not protected outside TWR HR.                                          |                    |           |            |     |
| (3) | Antenna ELEV 96FT.                                                                       |                    |           |            |     |

All NAVAIDS Pilot monitored outside TWR HR.

## LOCAL TRAFFIC REGULATIONS

1. Where practicable, ACFT should only perform 180DEG turns on the concrete thresholds of RWY 15/33 and RWY 04/22 to preserve RWY grooving.
2. All ACFT must provide their parked APN/PSN to ATC on initial taxi REQ.
3. TWR will not provide the STS of Arrestor Systems with LDG and TKOF CLR when they are in the NML OPR PSN as defined in Physical Characteristics Paragraph 2.
4. Operational Readiness Platform (ORP) WI RWS W of THR RWY 15/33 may contain vehicles or ACFT at any time. ACFT with wingspan of 40.5M (133FT) or less permitted to TKOF and land with either ORP in use. TWR will advise visiting arriving ACFT through the phraseology "Approach and/or departure end ORP in use". Visiting departing ACFT will be advised when the DEP end ORP is in use.
5. ACFT Parking Position 9 MAX wingspan 64.9M code E ACFT.
6. ACFT Parking Position 10-16 MAX wingspan 52M code D ACFT.
7. On CTAF ACFT must taxi for DEP via TWY A2 and backtrack for RWY 15 or 33. ACFT with multiple antennae must use upper antennae in preference.
8. Due BAK 14 cables on RWY 15/33 recommend OPR be confined BTN cables effective OPR LEN 2,119M (6,953FT).



## FLIGHT PROCEDURES

### 1. ARRIVING ACFT:

- a. When ACFT parked in RWY 33 ORP, LDG heavy category ACFT to use TEMPO unmarked DTHR of 464M (1,521FT), in line with southern Hookcable Markers.
- b. Amberley ground firing ranges WI AMB CTR.
  - (i) Purga Range (D648) Active NOTAM, position 141/5.3TAC, radius 1NM vertical limits 0-2,000FT.
  - (ii) 25 metres range. Active HJ (S of AD BDRY) radius 150FT, vertical limits 0-400FT.

### 2. ILS TRAINING - CIV ACFT

Use of the AMB ILS is permitted DRG AMB ATS HR. The FLW conditions apply:

- a. Safety Pilot is to be carried in accordance with *CASR 91.720*.
- b. Procedures:
  - (i) ACFT can expect to be vectored on to FNA;
  - (ii) LDG strobe and NAV LGT to be on DRG FNA in VMC;
  - (iii) All APP to be terminated via the missed approach unless specifically directed by ATC;
  - (iv) PILS to be annotated on flight plan.
- c. Availability:
  - (i) PILS availability subject to MIL OPS and serviceability;
  - (ii) PILS AVBL AH subject to serviceability. ILS critical area not protected AH;
  - (iii) AMB ABOC is to approve all PILS approach requests including any that may be conducted outside OPR HR.
  - (iv) AMB ABOC will notify availability provided request is received at least 48 HR prior via email to: amb.aboc@defence.gov.au. Requests are to include: a. Callsign; b. ACFT Type; c. Time Requested; d. Contact Details.
  - (v) Separate arrangements for airline, EMERG services, and CIV ACFT on MIL related tasks are AVBL.

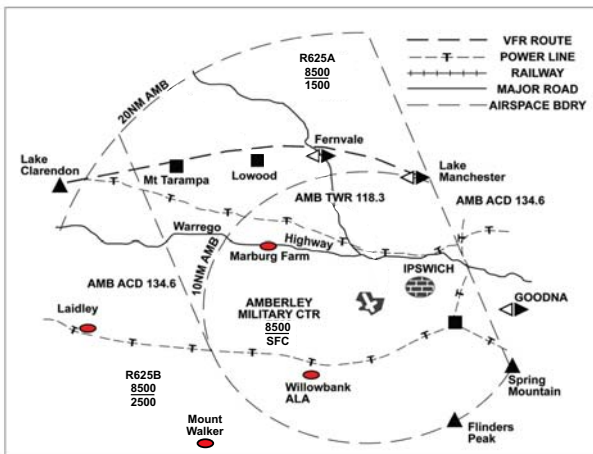
### 3. SPECIAL PROVISIONS FOR CIV ACFT ON NAT IN AMB CTR:

- a. The MIL reserves the right to allocate priority to MIL ACFT. CIV ACFT on NAT may be INTRP or terminated at any time DRG APCH;
- b. NML EMERG response SER will be AVBL with no special provisions for CIV ACFT on NAT.

### 4. TRANSITING AIRCRAFT

VFR aircraft requesting to enter or transit AMB CTR or restricted areas are to contact ACD on 134.6 MHz for AWY clearance. VFR ACFT should submit FPL to reduce delays in processing ACFT. If clearance is not immediately available remain in Class G airspace and, for ACFT departed Archerfield:

- a. BTN 205 and 259 DEG M AF, track east of SPRING MOUNTAIN then south of FLINDERS PEAK.
- b. BTN 260 and 309 DEG M AF, track via the northern shores of LAKE MANCHESTER, thence the LAKE MANCHESTER VFR route, remaining not ABV 1,500FT AMSL, until clearance becomes AVBL.
- c. The LAKE MANCHESTER VFR route is established for VFR transit of R625A.
  - (i) Tracking shall be: a track joining the northern shores of Lake Manchester (LMC), Fernvale (FNVL), Lowood, Mt Tarampa and Lake Clarendon (LKON) in either direction.
  - (ii) Levels shall be:
    - To remain OCTA, ACFT shall be not ABV 1,500FT AMSL.
    - When cleared by AMB ACD or AMB APP, ACFT may operate as per their clearance.
  - (iii) When AMB CTR and R625A ACT, VFR ACFT CTC AMB ACD on 134.6 for CLR to transit R625A prior to LMC westbound and prior to LKON eastbound.



## 5. CIRCUIT OPERATIONS

All ACFT taxi for OPS confined to the ATZ shall CTC Amberley SMC to pass FLT details and obtain SSR code and AWY CLR.

Circuit OPS at Amberley occur WI the ATZ WI a 5NM radius of Amberley ARP, SFC-1,500FT. Unless ATC direct otherwise, circuits will be conducted as follows:

- RWY 15 - right circuits
- RWY 33 - left circuits
- RWY 04/22 - left circuits

## 6. HELICOPTER OPERATIONS

Helicopters authorised to conduct circuit training at Amberley are to expect operations to either of the following, not above 500FT AMSL:

- CHOPPERS EAST: Utilising threshold RWY 22 as a HLS, remaining WI 600M (2,000FT) of threshold RWY 22 and east of a line parallel to RWY 15/33 intersecting threshold RWY 22, not above 500FT AMSL.
- CHOPPERS WEST: Utilising threshold RWY 04 as a HLS, remaining WI 600M (2,000FT) of threshold RWY 04 and west of a line parallel to RWY 15/33 intersecting threshold RWY 04, not above 500FT AMSL.

Helicopters ARR Amberley may expect landing at Choppers East or West then air transit to parking. Helicopters DEP Amberley may expect air transit to Choppers East or West for DEP.

## 7. NVG OPERATIONS

Due to HN NVG OPS all RWYS are to be treated as active, regardless of lighting status.

## 8. NOTIFICATION OF AGRICULTURAL OPERATIONS

Agricultural OPR operating in QLD and NSW, S of Rockhampton and N of Newcastle are encouraged to provide details of their areas of OPS to assist with separation. The sortie details provided will be passed to local squadrons operating FM AMB. Phone AMB 07 5361 2888, 0473 628 662.

## 9. SURVEY/PHOTOGRAPHY AIRCRAFT

ACFT requesting to conduct survey or photography work within AMB CTA are to email a survey map containing at least date(s), time(s), level(s), flight category, ACFT type and registration. File size should be kept to a minimum, APRX 2MB in size. Email requests to ABOC (amb.aboc@defence.gov.au) with 24HR PN to avoid airborne delays or unavailability.

**10. REMOTELY PILOTED AIRCRAFT SYSTEMS (RPAS)**

The FLW permanent RPAS areas exist:

- a. Model ACFT OPR FM PSN 273736.00S 1524012.00E (BRG 279MAG 2.4NM FM ARP) not above 400FT AGL HJ in VMC. Model ACFT will give way to all ACFT. During ATS HRS notified on ATIS by "Amberley Model ACFT Club ACT." When Amberley ATC ACT, Pilots may request for OPS to be ceased through ATC.
- b. Small (less than 25KG) RPA OPR in Marburg Farm area (BRG 296MAG 7NM FM ARP) not above 400FT AGL HJ in VMC. Area is bounded by N of the Warrego Highway, W of Claus Rd, S of Glamorganvale Rd and the line 272942S 1523600E to 273342S 1523536E and the mountain range E of Minden and Lowood. During ATS HRS notified on ATIS and outside TWR HR RPA controller MNT CTAF 118.3, callsign "Unmanned-HAL".

All RPAS requests and enquiries are to be sent to 452sqnamb.rpas@defence.gov.au with at least 10 business days PN. OPS are subject to MIL OPS and may be restricted or cancelled at any time.

11. In the event of an EMERG, ACFT OPR at AMB during CTAF periods are to declare the EMERG on the area RIS FREQ. Additionally when WI 10 NM of AMB, MIL ACFT are to advise details to RFFS watch attendant callsign "Base Fire", on FREQ 118.3.
12. When declaring a PAN outside of promulgated Medical hours, pilots of aircraft which are not scheduled high performance ejection seat aircraft are to specify whether medical services are required.

**CTAF - AFRU 118.3**

Outside TWR HR.

**NOISE ABATEMENT PROCEDURES**

The FLW restrictions apply WI the Amberley CTR:

- a. High Speed Low Level FLT. No AD attacks or high speed (>350KIAS), low level FLT BLW 1,500FT AGL WI 10NM YAMB without prior approval FM SADFO Amberley or OC 82WG. ACFT are not to overfly the base built-up area BLW 1,500FT AGL at high speed.
- b. Pilots are to avoid overflying Ipswich Hospital (055/2.4).

**ADDITIONAL INFORMATION**

1. Bird and Animal hazard exists on AD H24.
2. Fruit Bat hazard may exist in circuit area. Main ACT period one hour after last light.
3. D645. Military fast jet ACFT may operate VFR for transit BTN R625, M641/R638 and R639. ACFT shall monitor BN CEN FREQ.
4. MIL Radar OPR at PSN BRG 280DEG/2NM FM ARP. Possible avionics interruptions and errors WI 150M of radar site BLW 500FT AMSL.
5. SER vehicles may be OPR on AD.
6. Due to terrain shielding and possible communications limitations, taxiing ACFT and/or ground vehicles at one end of the airfield cannot see or hear ACFT and/or ground vehicles at the other end of the airfield.
7. Fire Section will conduct strip clearances outside ATS HR upon request. CTC "Base Fire" on TWR FREQ 118.3 or Phone 07 5361 2533. Note: Real time emergencies have priority over strip clearances.
8. Caution: Military aircraft operate at high speed, conduct non-standard circuits, and may be difficult to sight. Therefore non-participating pilots should remain clear of military aerodromes by at least 5NM or overfly not below 2,500FT when the tower is inactive.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3340.
2. MIL Aerodrome Obstruction Chart Type A RWY 15/33: June 2016.  
MIL Aerodrome Obstruction Chart Type A RWY 04/22: June 2016.
3. Also refer to AIP Departure and Approach Procedures.

**ANNA CREEK**

SA

285350S

AD OPR The Manager, Anna Creek Station, Coober Pedy, SA, 5723.

Email: [annacreek@kidman.com.au](mailto:annacreek@kidman.com.au). PH 08 8670 7978.

1361014E

VAR 6 DEG E

FIA MELBOURNE CENTRE

UTC +9:30

120.7 6,000FT

**ELEV 300**

**FULL NOTAM SERVICE NOT AVBL**

YANK  
UNCR

**ATS AND AERODROME COMMUNICATION FACILITIES**

**CTAF 127.8**

**CHARTS RELATED TO THE AERODROME**

WAC 3354.

**AQUILA**

QLD

253144S

AD OPR VFR Developments Pty Ltd, 45 Watson Road, Yengari, QLD, 4650.

Email: [vic@goldiegroupp.com.au](mailto:vic@goldiegroupp.com.au). PH 0447 713 108. ARO 0439 867 131 H24.

Website: [www.aquilaestate.com.au](http://www.aquilaestate.com.au).

1523412E

VAR 10 DEG E

FIA

UTC +10

120.7 6,000FT

**ELEV 170**

**FULL NOTAM SERVICE NOT AVBL**

YAQA  
UNCR

**REMARKS**

1. PPR. Private aerodrome for Aquila Airpark residents and invited guests only.

2. HJ only.

3. Fixed and rotary wing operations permitted.

4. Maximum aircraft weight 1,500KG.

5. Phone ahead for landing details and pilot guide information.

6. Visitors must complete aerodrome induction circuit and ground procedures document prior to arrival.

7. Landing and parking fees apply for non-residents. Refer to website.

**PHYSICAL CHARACTERISTICS**

05/23

28a/c 1500/ Grass. Centre 10M sealed. RWY LEN 840M.

WID 35

09/27

23c 1500/ Grass. RWY LEN 700M.

WID 30

**ATS AND AERODROME COMMUNICATION FACILITIES**

**CTAF 126.55**

**CHARTS RELATED TO THE AERODROME**

WAC 3340.

**REMARKS**

1. PPR. Private aerodrome for Aquila Airpark residents and invited guests only.

2. HJ only.

3. Fixed and rotary wing operations permitted.

4. Maximum aircraft weight 1,500KG.

5. Phone ahead for landing details and pilot guide information.

6. Visitors must complete aerodrome induction circuit and ground procedures document prior to arrival.

7. Landing and parking fees apply for non-residents. Refer to website.

**PHYSICAL CHARACTERISTICS**

05/23

28a/c 1500/ Grass. Centre 10M sealed. RWY LEN 840M.

WID 35

09/27

23c 1500/ Grass. RWY LEN 700M.

WID 30

**ATS AND AERODROME COMMUNICATION FACILITIES**

**CTAF 126.55**

**CHARTS RELATED TO THE AERODROME**

WAC 3340.

**LOCAL TRAFFIC REGULATIONS**

1. RWY 05/23 preferred for normal operations.

2. RWY 23 preferred for departures.

3. Carriage and use of radio is required by the AD OPR.

**CTAF 126.55**

**CHARTS RELATED TO THE AERODROME**

WAC 3340.

ARAMAC

QLD  
225734S  
AD OPR Barcaldine Regional Council, PO Box 65, Aramac, QLD,  
4726. PH 07 4652 9900. ARO 0428 513 190.

UTC +10  
VAR 8 DEG E

ELEV 760

FULL NOTAM SERVICE NOT AVBL

YAMC  
UNCR

PHYSICAL CHARACTERISTICS

RWY SFC: Sealed aggregate, a 2.3M security fence to the full perimeter of the AD.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

BRISBANE CENTRE

122.1 3000FT

CTAF 126.7

ADDITIONAL INFORMATION

CAUTION: Kangaroos on movement area.

CHARTS RELATED TO THE AERODROME

WAC 3234.

ARARAT

VIC  
371834S  
AD OPR Ararat Rural City Council, PO Box 246, Ararat, VIC, 3377.  
PH 03 5355 0905. Mobile 0428 552 800.

UTC +10  
VAR 11 DEG E

ELEV 1008

YARA  
CERT

AERODROME OBSTACLES

Unlit tower 287/4.9NM FM 12 RWS end, 1,905FT AMSL.

PHYSICAL CHARACTERISTICS

04/22

044

22c

Unrated. Grass

WID 30

RWS 90

12/30

115

41a

PCN 12 /F /B /500 (73PSI) /U

WID 18

RWS 90

AERODROME AND APPROACH LIGHTING

RWY 12/30

LIRL

PAL 123.4

RWY edge light spacing: 12/30: 95M.

OTHER LIGHTING

TWY LGT: Not specified.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

MELBOURNE CENTRE

126.8 Circuit area

CTAF 126.7

ADDITIONAL INFORMATION

1.

Gliding OPS HJ. Gliders OPR WI RWS. Winch and wire launching. RWY 04/22 will be closed during winch launching (closure designated by white crosses in line with the MOS).

2.

Model ACFT OPR WI 1,000M RAD of ARP up to 2,000FT AGL. OPR will MNT CTAF 126.7. OPR PH 0417 514 438.

CHARTS RELATED TO THE AERODROME

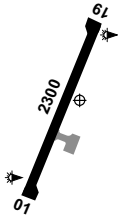
WAC 3469.

Information may be continued on the next page: PTO

ARGYLE

ELEV 522

AVFAX CODE 6904



WA  
163813S                      1282705E                      UTC +8  
AD OPR Argyle Diamond Mines, PMB 508, Kununurra, WA, 6743.  
Email: argyle.airport@riotinto.com. PH 08 9167 1336. ARO 0404 450 062.  
Fax 08 9167 1325.

YARG  
CERT

REMARKS

- 1. Restricted OPS: 24HR PPR from AD OPR.
- 2. AD ONLY AVBL to aircraft on Argyle Diamonds Mine business.
- 3. All ACFT to call Argyle Ground on 126.4 prior to landing.
- 4. AD EMERG calls AH 08 9167 1452.

HANDLING SERVICES AND FACILITIES

Viva Energy Aviation: JET A1. PN to ARO for all fuel RQMNTS. Fuel2Sky Carnet Cards accepted.

AERODROME OBSTACLES

- 1. LIOL BRG 053 DEG MAG 3.1NM FM ARP. 1,378FT AMSL.
- 2. MIOL BRG 213 DEG MAG 5.4NM FM ARP. 1,863FT AMSL.

METEOROLOGICAL INFORMATION PROVIDED

- 1. TAF CAT C, METAR/SPECI.
- 2. AWIS PH 08 6216 2601 - Report faults to BoM.

PHYSICAL CHARACTERISTICS

01/19                      019    75a    PCN 26 /F /A /1100 (160PSI) /T                      WID 30    RWS 150

AERODROME AND APPROACH LIGHTING

|           |             |             |                      |
|-----------|-------------|-------------|----------------------|
| RWY 01/19 | LIRL(2)     |             | SDBY PWR AVBL        |
| RWY 01/19 | PTBL(3)     |             | BY PRIOR ARRANGEMENT |
| RWY 01    | AT-VASIS(1) | 3.0 DEG41FT | SDBY PWR AVBL        |
| RWY 19    | T-VASIS     | 3.0 DEG41FT | SDBY PWR AVBL        |

- (1) Left side only
- (2) MAN activation. PPR from AD OPR.
- (3) 60MIN PN.

RWY edge light spacing: 01/19: 90M.

OTHER LIGHTING

- 1. SDBY PWR switchover time: 27SEC.
- 2. TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA                      BRISBANE CENTRE                      122.4 6,000FT.

RADIO NAVIGATION AND LANDING AIDS

|     |     |            |           |            |     |
|-----|-----|------------|-----------|------------|-----|
| DME | ARG | 113.9/ 86X | 163804.7S | 1282651.1E | (2) |
| VOR | ARG | 113.9      | 163754.1S | 1282655.5E | (1) |

- (1) Pilot monitored. Privately operated.
- (2) Antenna elevation 543FT - Pilot monitored. Privately operated.

LOCAL TRAFFIC REGULATIONS

ACFT ABV 5,700KG to use turning nodes at RWY ends for 180DEG turns.

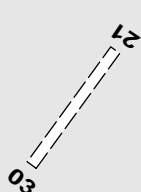
FLIGHT PROCEDURES

Right hand CCTS RQ when OPR on RWY 19.

CTAF - AFRU 127.3

CHARTS RELATED TO THE AERODROME

- 1. WAC 3222.
- 2. Also refer to AIP Departure and Approach Procedures.

**ARKAROOLA****ELEV 800****FULL NOTAM SERVICE NOT AVBL**

SA 302423S 1392048E  
 AD OPR Arkaroola Wildlife Sanctuary, Private Bag 106, Port Augusta, SA, 5700.  
 PH 08 8648 4848. Fax 08 8648 4846.

UTC +9:30 YARK  
 VAR 7 DEG E UNCR

**REMARKS**

1. PPR for all OPS.
2. HJ OPS only.

**HANDLING SERVICES AND FACILITIES**

AVGAS AVBL with PN to AD OPR.

**PASSENGER FACILITIES**

Nil mobile phone coverage, use UHF radio on channel 8 duplex for communication with Arkaroola Village. Instructions inside enclosure on S side of NE grey shed.  
 Transport AVBL on 126.4 FM Sanctuary.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 121.2 5000FT

**FLIGHT PROCEDURES**

1. Right hand circuits required when OPR on RWY 03 due W inner HZS infringed.
2. No circling to W of ALA.

**CTAF** 126.7

**CHARTS RELATED TO THE AERODROME**

WAC 3355.

**ARMIDALE****ELEV 3556****AVFAX CODE 2026**

NSW

303141S

1513702E

UTC +10

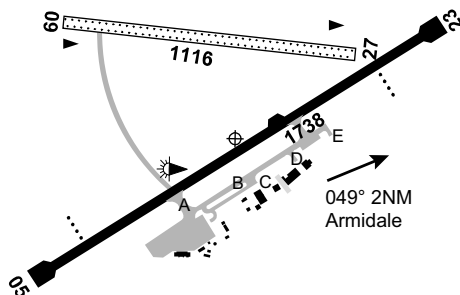
VAR 12 DEG E

YARM

CERT

AD OPR Armidale Regional Council, PO Box 75A, Armidale, NSW, 2350.

Email: airport@armidale.nsw.gov.au. PH 1300 136 833 (H24). ARO 0412 513 093.

**REMARKS**

1. AD Charges: All ACFT.
2. This AD is a Security Controlled Airport. All pilots and operators are required to possess and display a current ASIC when airside, including all GA areas. Passengers are to be escorted at all times.

**HANDLING SERVICES AND FACILITIES**

VIVA: Armidale Airport Services 0900-1700 Local MON-FRI, AH call-out fee will apply outside normal HR and on PH. 2HR PN RQ. Phone 0427 399 690. JET A1 only. VIVA Fuel2Sky, Carnet card and credit cards (V and MC).

Superair: JET A1, AVGAS. Fuel bowser H24, credit card (V and MC) and debit card. Cash not accepted. Phone 0409 325 238.

PASSENGER FACILITIES

LG/WC/RF/TX (02 6771 1455)/ME (Superair 02 6772 5055).

APRONS AND TAXIWAYS

RPT APN Bays 1 - 5 slope may exceed 2 degrees.

AERODROME OBSTACLES

1.

Communication towers, lit:

a.

3,865FT AMSL BRG 102 DEG MAG 1.95NM FM ARP. Infringes inner HZS by 173.88FT.

b.

3,899FT AMSL BRG 111 DEG MAG 1.99NM FM ARP. Infringes inner HZS by 208.01FT.

c.

3,916FT AMSL BRG 111 DEG MAG 2.02NM FM ARP. Infringes inner HZS by 224.73FT.
2.

Communication towers, unlit:

a.

3,816FT AMSL BRG 102 DEG MAG 1.95NM FM ARP. Infringes inner HZS by 124.67FT.

b.

3,880FT AMSL BRG 111 DEG MAG 2.01NM FM ARP. Infringes inner HZS by 189.30FT.

c.

3,837FT AMSL BRG 111 DEG MAG 2.02NM FM ARP. Infringes inner HZS by 145.66FT.
3.

TWR, lit 3,844FT AMSL BRG 106 DEG MAG 2.02NM FM ARP. Infringes inner HZS by 152.52FT.
4.

ACFT parked on bays 5, 6 and 7 may infringe the OLS transitional surface.

METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT C, METAR/SPECI.
2. AWIS Phone 02 9353 6401 - Report faults to BoM.
3. AWIS FREQ 134.75 - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

|       |     |     |                               |        |         |
|-------|-----|-----|-------------------------------|--------|---------|
| 05/23 | 047 | 57a | PCN 20 /F /C /700 (102PSI) /T | WID 30 | RWS 150 |
| 09/27 | 085 | 37c | Unrated. Grassed gravel       | WID 30 | RWS 90  |

AERODROME AND APPROACH LIGHTING

|           |      |                |             |               |
|-----------|------|----------------|-------------|---------------|
| RWY 05/23 | MIRL | AFRU+PAL 127.5 |             | SDBY PWR AVBL |
| RWY 05/23 | RTIL | AFRU+PAL 127.5 |             | SDBY PWR AVBL |
| RWY 05    | PAPI | AFRU+PAL 127.5 | 3.0 DEG47FT | SDBY PWR AVBL |
| RWY 23    | PAPI | AFRU+PAL 127.5 | 3.0 DEG46FT | SDBY PWR AVBL |

RWY edge light spacing: 05/23: 60M.

OTHER LIGHTING

1. Secondary PWR switchover time: 15 SEC.
2. TWY LGT: Blue edge.
3. RWY 23 starter extension lighting:

a.

Edge - blue.

b.

RWY end - red/blue.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA BRISBANE CENTRE 125.75 On ground

RADIO NAVIGATION AND LANDING AIDS

|                          |     |            |           |            |                  |     |
|--------------------------|-----|------------|-----------|------------|------------------|-----|
| DME                      | ARM | 112.6/ 73X | 303139.8S | 1513655.4E |                  | (1) |
| NDB                      | ARM | 401        | 303138.3S | 1513654.1E | Range 35 (HN 35) |     |
| (1) Antenna ELEV 3559FT. |     |            |           |            |                  |     |

LOCAL TRAFFIC REGULATIONS

Bays 4,5,6 and 7 are a Security Restricted Area. Access for non-RPT OPS by permission of the AD OPR. Bays 1-3 for GA and AEROMED use.

CTAF - AFRU 127.5

CHARTS RELATED TO THE AERODROME

1. WAC 3357.
2. Also refer to AIP Departure and Approach Procedures.



**ARRABURY****ELEV 334****FULL NOTAM SERVICE NOT AVBL**

91

QLD

264126S

1410250E

UTC +10

VAR 7 DEG E

YARY

UNCR

AD OPR Arrabury Pastoral Company, Mt Leonard Station via Windorah, QLD, 4481.

PH 07 4656 4949. ARO 07 4655 4321.

**PASSENGER FACILITIES**

Telephone facilities not AVBL.

34

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA

BRISBANE CENTRE

118.8 5500FT

**CTAF** 126.7**CHARTS RELATED TO THE AERODROME**

WAC 3342.

**ATHERTON****ELEV 2460****AVFAX CODE 4530****FULL NOTAM SERVICE NOT AVBL**

91

QLD

171543S

1453052E

UTC +10

VAR 7 DEG E

YATN

UNCR

AD OPR Tablelands Regional Council, PO Box 573, Atherton, QLD, 4883.

Email: aerodromes@trc.qld.gov.au. PH 1300 362 242.

**HANDLING SERVICES AND FACILITIES**

Fuel supplied by IOR Aviation Pty Ltd. AVGAS 100LL AVBL H24 self-service bowser. Payment via IOR Aviation tag for account holders or via the Fuelcharge APP.

33

**PASSENGER FACILITIES**

WC.

**PHYSICAL CHARACTERISTICS**

RWY 15/33 - grass runway.

**AERODROME AND APPROACH LIGHTING**

No permanent fixed lighting. Emergency lighting may be available upon request. CTC ARO for further information.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA

CAIRNS APPROACH

126.1 Circuit area

**FLIGHT PROCEDURES**

1. Right hand CCTS RWY 33.
2. ACFT DEP Atherton for Cairns that have obtained a Landing Slot Time FM ATC will be processed more expeditiously.

**CTAF** 126.7**ADDITIONAL INFORMATION**

1. Agricultural OPS WI 10NM RAD up to 500FT AGL.
2. Ultralight OPS from unmarked PVT airfields WI 5NM.
3. Bird and animal hazard exists.
4. Extreme pilot caution advised during periods of wet weather as runway surface can become soft and hazardous.
5. For information relating to current conditions contact ARO.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3219.
2. Also refer to AIP Departure and Approach Procedures.

009°

0.8NM

Augusta

35

35

WA

341948S

1150924E

AD OPR Shire of Augusta-Margaret River, PO Box 61, Margaret River, WA, 6285.  
Email: [worksmaintenance@amrshire.wa.gov.au](mailto:worksmaintenance@amrshire.wa.gov.au); [amrshire@amrshire.wa.gov.au](mailto:amrshire@amrshire.wa.gov.au).  
ARO 08 9780 5642; 0460 419 183. Council PH 08 9780 5255.

UTC +8

VAR 3 DEG W

ELEV 120

FULL NOTAM SERVICE NOT AVBL

YAUG

UNCR

REMARKS

1. PPR FM Council for ALL OPS including touch and go.

2. Operating HR HJ.

PASSENGER FACILITIES

PT.

AERODROME AND APPROACH LIGHTING

PAL lighting is 119.65. PPR, contact ARO by PH or email. All NGT landings must have Council approval.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

MELBOURNE CENTRE

124.9 Circuit Area

CTAF 132.25

CHARTS RELATED TO THE AERODROME

WAC 3462.

003

03

03

QLD

183056S

1395243E

AD OPR Stanbroke Pastoral Co, Via Mount Isa, QLD, 4825. PH 07 4748 5505.  
Fax 07 4748 5568.

UTC +10

VAR 5 DEG E

ELEV 150

FULL NOTAM SERVICE NOT AVBL

YAGD

UNCR

REMARKS

Private airfield - EMERG use only.

PASSENGER FACILITIES

Telephone facilities not AVBL.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

BRISBANE CENTRE

125.7 8000FT

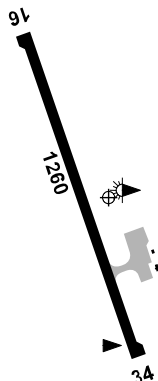
CTAF 126.7

ADDITIONAL INFORMATION

Animal hazard exists.

CHARTS RELATED TO THE AERODROME

WAC 3220.

**AURUKUN****ELEV 29****AVFAX CODE 4508**

QLD  
132114S 1414315E UTC +10 YAU  
VAR 5 DEG E CERT  
AD OPR Aurukun Shire Council, Aurukun, QLD, 4892.  
Email: [airport@aurukun.qld.gov.au](mailto:airport@aurukun.qld.gov.au). PH 07 4060 6811 (2200-0700 UTC). ARO 0428 743 874 (H24). Website: [www.aurukun.qld.gov.au](http://www.aurukun.qld.gov.au).

**REMARKS**

1. This AD is a Security Controlled Airport.
2. 24HR PPR for itinerant ACFT ABV 5,700KG MTOW and all pavement concessions
3. Alcohol is restricted within the Aurukun Shire and heavy penalties apply. Special provisions may apply to alcohol being transported on consignment and restrictions may vary from time to time. Further information is AVBL online: [www.qld.gov.au/firstnations/health-staying-active/alcohol-smoking-drugs/community-alcohol-restrictions/remote-discrete-communities/aurukun](http://www.qld.gov.au/firstnations/health-staying-active/alcohol-smoking-drugs/community-alcohol-restrictions/remote-discrete-communities/aurukun), or phone 137 468.
4. AD charges: all ACFT except RFDS and Defence Force. Current fees AVBL FM website.

**HANDLING SERVICES AND FACILITIES**

JET A1 AVBL for RPT ACFT or EMERG use. Underwing refuelling only. AVGAS not AVBL.

**PASSENGER FACILITIES**

LG/WC AVBL WI 1-2 HR of SKED OPS. Free WIFI and 4G MOB reception AVBL H24.

**APRONS AND TAXIWAYS**

1. TWY A Code C WID 18M bitumen seal.
2. APN bitumen seal.

**AERODROME OBSTACLES**

1. Unlit mast 223FT AMSL BRG 095 MAG 0.72NM FM ARP.
2. Trees:
  - a. 99FT AMSL 346 MAG 446M FM ARP infringes TNS by 7FT.
  - b. 93FT AMSL 318 MAG 500M FM ARP infringes TNS by 15FT.
  - c. 101FT AMSL 193 MAG 445M FM ARP infringes TNS by 8FT.

**PHYSICAL CHARACTERISTICS**

16/34 155 41a PCN 6 /F /B /850 (123PSI) /U Sealed WID 30 RWS 90

**AERODROME AND APPROACH LIGHTING**

RWY 16/34 LIRL AFRU+PAL 126.7 SDBY PWR AVBL  
RWY 16/34 PAPI(2) AFRU+PAL 126.7 3.0 DEG40FT SDBY PWR AVBL  
RWY 16/34 PTBL(1) BY PRIOR ARRANGEMENT

(1) EMERG only.

(2) Left side.

RWY edge light spacing: 60M (white).

**OTHER LIGHTING**

1. SDBY PWR switchover time: 60 SEC.
2. TWY LGT: blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 122.1 Circuit area

**CTAF - AFRU 126.7****LOCAL TRAFFIC REGULATIONS**

1. All ACFT must perform MAX RAD MNM speed turns at turn pads only to avoid RWY SFC damage.
2. Bays 1 and 2 marked DH8C and reserved for RPT ACFT during SKED OPS.

**ADDITIONAL INFORMATION**

Bird hazard exists RWY 16/34 and in VCY of AD (typically magpie-lark, cockatoo, galah, nankeen kestrel). Soaring kites sighted on occasion, APRX BRG 160 DEG MAG 800M FM SOT RWY 34 (ABV cemetery). ARO will conduct wildlife inspections immediately prior to arrival of SKED ACFT. Additional inspections AVBL on request, CTC ARO (call-out fee may apply).

**CHARTS RELATED TO THE AERODROME**

1. WAC 3112.
2. Also refer to AIP Departure and Approach Procedures.

**AUST AGE OF DINOSAURS MUSEUM**

**ELEV 886**

**FULL NOTAM SERVICE NOT AVBL**

QLD  
222848S  
AD OPR Elite Aviation Services, PO Box 317, Winton, QLD, 4735.  
Email: hylton@eliteaviationservices.com.au. PH 0467 735 483.

UTC +10  
VAR 7 DEG E

YAOD  
UNCR

**REMARKS**

1. AD charges - nil.
2. PPR FM Australian Age of Dinosaurs, PH 07 4657 0078.

**PHYSICAL CHARACTERISTICS**

The HLS is situated on an escarpment on the Vindex Range and is located 10NM SE of the Winton AD. The HLS is situated 90M S of the Australia Age of Dinosaurs reception area. Gravel safety area, 26M diameter and a concrete FATO of 13M.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA

BRISBANE CENTRE

122.1 6500FT

**FLIGHT PROCEDURES**

1. Two APCH and DEP AVBL from/to the E and W.
2. Do not overfly the Australian Age of Dinosaurs buildings or carpark.

**CTAF** 126.7

**CHARTS RELATED TO THE AERODROME**

WAC 3233.

**AVALON****ELEV 35****AVFAX CODE 3004**

VIC

UTC +10

YMAV

380222S

1442810E

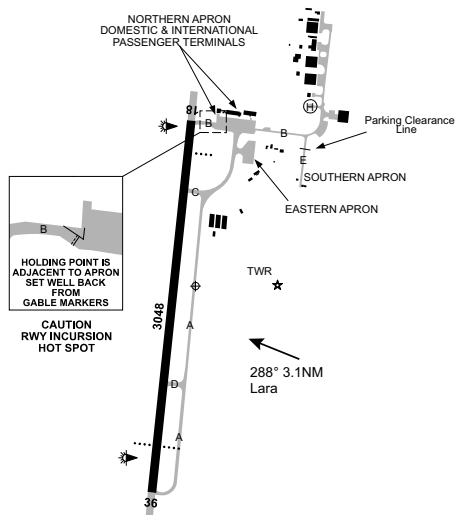
VAR 11 DEG E

CERT

AD OPR Avalon Airport Australia Pty Ltd, Locked Bag 9, Lara, VIC, 3212.

Email: enquiries@avalonairport.com.au. PH 03 5227 9100. ARO 03 5227 9470.

PH AH 03 5227 9150.

**REMARKS**

- AD Charges: All ACFT.
- This AD is a Security Controlled Airport.

**HANDLING SERVICES AND FACILITIES**

VIVA: Avalon Airport Australia Pty Ltd. 1830-1330 UTC. AH call-out fee may apply.

Phone +61 3 5227 9470, AH +61 3 5227 9150. JET A1. VIVA Fuel and Fly Card.

**RESCUE AND FIREFIGHTING SERVICES**

- CAT 6 - 1945-1330 UTC DLY. 1HR earlier HDS.
- WI published hours of operation, CAT 7 is AVBL for diverting ACFT upon notification.
- 131.0 MHz AVBL HO.

**METEOROLOGICAL INFORMATION PROVIDED**

- TAF CAT A, METAR/SPECI, AD WRNG.
- AWIS Phone 03 8470 3200 - Report faults to BoM.
- AWIS FREQ 116.1 AVBL outside TWR HR - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

18/36 176 100a PCN 80 /F /C /1750 (254PSI) /T Grooved WID 45 RWS 300  
 Concrete ends RWY 18 and 36.

**AERODROME AND APPROACH LIGHTING**

|           |         |                |             |               |
|-----------|---------|----------------|-------------|---------------|
| RWY 18/36 | MIRL    | AFRU+PAL 120.1 |             | SDBY PWR AVBL |
| RWY 18    | PAPI(2) | AFRU+PAL 120.1 | 3.0 DEG69FT | SDBY PWR AVBL |
| RWY 36    | PAPI(1) | AFRU+PAL 120.1 | 3.0 DEG65FT | SDBY PWR AVBL |

(1) Double sided.

(2) Left side.

1. RWY 18/36 edge light spacing: 60M.

2. If PAL activation fails, Phone 03 5227 9150 for MAN activation.

## OTHER LIGHTING

ABN FLG 4 W

HBN FLG 2 R ELEV 1188FT, 5.7NM NNW of ARP

1. Secondary PWR switchover time: 1 SEC during LVP; 15 SEC OT.

2. TWY CL LGT G.

## ATS AND AERODROME COMMUNICATION FACILITIES

FIA MELBOURNE CENTRE 135.7 On ground

APP AVALON APPROACH 133.55 (1)

ATIS AVALON ATIS 116.1 118.2

TWR AVALON TOWER 120.1

UNICOM AVALON UNICOM 129.3 (2)

(1) On ground.

(2) CS "Avalon Safety". AVBL 0430-2330 Local DLY. Fuel, ACFT parking and general ground support.

1. TWR HR:

a. 2100-1200 UTC (0700-2200 Local) DLY.

b. 2000-1200 UTC (0700-2300 Local) DLY HDS.

*Note: TWR HR may change at short notice, check the status of airspace with ATS or Avalon ATIS.*

2. Outside TWR HR the Avalon controlled airspace becomes Class E from 700FT AGL WI the lateral boundary of the CTR (upper level 2,500FT AMSL) and WI the steps from 1,500FT AMSL to an upper level of 4,500FT AMSL. SFC to 700FT AGL WI the lateral boundary of the CTR becomes Class G.

## RADIO NAVIGATION AND LANDING AIDS

|     |    |            |           |            |     |
|-----|----|------------|-----------|------------|-----|
| DME | AV | 116.1/108X | 380256.7S | 1442733.3E | (2) |
|-----|----|------------|-----------|------------|-----|

|     |    |       |           |            |     |
|-----|----|-------|-----------|------------|-----|
| VOR | AV | 116.1 | 380256.0S | 1442732.2E | (1) |
|-----|----|-------|-----------|------------|-----|

|     |   |                    |           |            |     |
|-----|---|--------------------|-----------|------------|-----|
| DME | I | 109.5/ 32X (RWY18) | 380150.2S | 1442814.9E | (3) |
|-----|---|--------------------|-----------|------------|-----|

|    |   |               |           |            |  |
|----|---|---------------|-----------|------------|--|
| GP | I | 332.6 (RWY18) | 380150.2S | 1442814.9E |  |
|----|---|---------------|-----------|------------|--|

|     |   |               |           |            |  |
|-----|---|---------------|-----------|------------|--|
| ILS | I | 109.5 (RWY18) | 380334.2S | 1442750.4E |  |
|-----|---|---------------|-----------|------------|--|

|     |   |               |           |            |  |
|-----|---|---------------|-----------|------------|--|
| LOC | I | 109.5 (RWY18) | 380334.2S | 1442750.4E |  |
|-----|---|---------------|-----------|------------|--|

(1) Operated by AD OPR. FREQ used for ATIS during TWR HR, and AWIS outside TWR HR.

(2) Antenna ELEV 70FT.

(3) Antenna ELEV 50FT.

## LOCAL TRAFFIC REGULATIONS

1. Pilots of widebody ACFT are required to apply MNM power when taxiing to prevent damage to TWY shoulders.

2. Limited parking AVBL. Contact AD OPR 03 5227 9150.

3. Code E and F ACFT must be under tow from intersection of TWY A and TWY B when accessing the hangar precinct. H24 PN required. Phone 03 5227 9150.

4. Code F ACFT are not permitted to free move on TWY B past the passenger terminal when code C, D or E ACFT are parked at the terminal. Wing tip clearances cannot be met for code F ACFT in this situation - code F ACFT under tow only.

5. Outside TWR HR ACFT parked on Northern Apron Bay 1 must pushback east only.

6. TWY A Restriction: TWY A past TWY D not AVBL to code C ACFT (or larger) when a code C ACFT (or larger) is HLDG on TWY D.

7. **Instrument approach training:** all ACFT planning practice instrument APCH (AVBL 2000-1200 UTC, 1HR earlier during HDS) require prior ATC approval. Pilots must book a slot online at [www.bookawk.com](http://www.bookawk.com).

8. 180 DEG turns on RWY18/36 not permitted for Code C ACFT and above.

## FLIGHT PROCEDURES

### 1. ATC TRAFFIC MANAGEMENT SPEED

When **not** on a SID or STAR (including vectoring) - ACFT ARR or DEP AV via Class C airspace must not exceed 250KT IAS when BLW 10,000FT AMSL. Advise ATC if a higher speed is operationally required.

*Note: Pilots must also comply with Class D airspace speed limits. Cancellation of ATC traffic management speeds does not cancel Class D airspace speed limits.*

**2. LOW VISIBILITY OPERATIONS****2.1. LVO AVBL during TWR HR:**

- a. Preparations for the activation of LVP are commenced when the visibility has reduced to 1,500M and is further reducing. This ensures that the LVP are in force at or just prior to the visibility reducing to 800M.
  - b. For CASA approved operators, low VIS DEP on RWY 18/36 not AVBL BLW 550M VIS.
  - c. ACFT OPS in VIS BLW 800M not supported when ATC not AVBL. Prior arrangement only, CTC AD OPR.
  - d. Pilot must notify ATC if a "follow me" service is required.
3. All ACFT are REQ to make entry to circuit, inbound and taxi calls in addition to the mandatory calls due to WIP on and in the VCY of RWY and TWY outside tower HR.

**CTAF - AFRU 120.1**

CTAF-AFRU operates outside TWR HR.

**NOISE ABATEMENT PROCEDURES**

Noise Abatement Procedures (NAP) apply. Refer AIP DAP.

**ADDITIONAL INFORMATION**

Bird hazard exists. Expect increased activity of juvenile magpies near midpoint of RWY, during months August to December.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3469.
2. Aerodrome Obstruction Chart Type A: RWY 18/36, Edition 10 - July 2023.
3. Also refer to AIP Departure and Approach Procedures.

**AYERS ROCK/CONNELLAN****ELEV 1626****AVFAX CODE 8502**

NT

251110S

1305832E

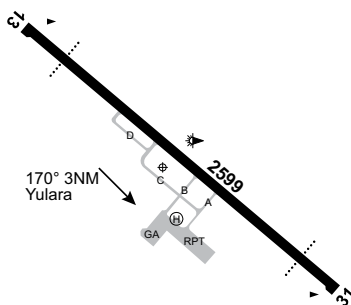
UTC +9:30

VAR 4 DEG E

YAYE

CERT

AD OPR Voyages Indigenous Tourism Australia Pty Ltd, Airport Manager, Ayers Rock Airport,  
PO Box 125, Yulara, NT, 0872. Email: [airport@voyages.com.au](mailto:airport@voyages.com.au).  
PH Airport Administration 08 8956 2020 (0800-1600 Local JO).

**REMARKS**

1. PPR from AD OPR via email:
  - a. 5 days PN for ACFT with an ACN at MAX OPR weight greater than PCN or tyre pressure greater than listed value.
  - b. 2 days for all other ACFT.
  - c. for HEL auto-rotation training onto sealed surfaces.
2. AD charges: All ACFT – CTC AD OPR.
3. Direct INTL flights to/from AD not approved.
4. Limited PRKG for ACFT. CTC AD OPR by email for parking slots 48HR PN required.
  - a. GA Apron Bay 10 RESTR to RFDS PC-12 ACFT only.
  - b. Administration fees apply for landing and parking slots required. without 48HR PN (EMERG exempt).

5. All ACFT confine OPS to sealed surfaces.
6. This AD is a Security Controlled Airport. All pilots and operators must possess and display a valid AUS/AYQ ASIC when airside.
7. AH airside access requires a call-out. PH 0428 881 325, call-out fees apply.

HANDLING SERVICES AND FACILITIES

Viva Energy/Air BP (JV) – Skyfuel Australia Pty Ltd. 2130-0730 UTC (0700-1700 ACST).  
AH call-out fee applies. Phone: 0417 632 763 (primary) or 0418 862 100 (secondary).  
Email: yulara@skyfuel.com.au. JET A1 tanker, AVGAS card swipe bowsers – V, MC,  
Viva Fuel2Sky or BP Card.

General

The AD OPR does not provide ACFT marshalling services. All requests for ACFT marshalling should be directed to the airlines or a FBO.

PASSENGER FACILITIES

PT/HC/BU/LG/RF/WC

RESCUE AND FIREFIGHTING SERVICES

1. CAT 6 OPR HR;

a. DLY EXC TUE and SAT 2230-0730 UTC.

b. TUE and SAT 2230-0630 UTC.
2. 131.0 MHz AVBL HO.

METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT B, METAR/SPECI.
2. AWIS Phone 08 7922 2516 - Report faults to BoM.
3. AWIS FREQ 126.55 not AVBL outside CA/GRS HR - Phone BoM for current weather.

PHYSICAL CHARACTERISTICS

13/31            126    85a    PCN 43 /F /A /1400 (203PSI) /T Grooved            WID 30    RWS 150

AERODROME AND APPROACH LIGHTING

RWY 13/31    LIRL            AFRU+PAL 126.9            SDBY PWR AVBL  
RWY 13/31    PAPI            AFRU+PAL 126.9    3.0 DEG54FT    SDBY PWR AVBL  
RWY 13/31 edge light spacing: 60M.

OTHER LIGHTING

1. TWY LGT: Blue edge on TWY A and C.
2. APN LGT: Blue edge on RPT APN.
3. Secondary PWR switchover time: 10 SEC.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA            MELBOURNE CENTRE            121.85 On ground  
CA/GRS    AYERS ROCK/CONNELLAN CA/GRS            126.9 (1)  
(1) CS "Ayers Rock Radio".

a. Provided on CTAF 126.9 during Air Transport Operation (ATO) OPR BTN 0815 – 1545 Local (2245 – 0615 UTC).

b. CA/GRS OPR HRS may be reduced if published SKED ATO have been completed, or extended for AH ATO HJ.

c. PAPI activated by CA/GRS during OPR HR.

d. CTAF/AFRU 126.9 provided when CA/GRS not AVBL.

e. AAIS provided during CA/GRS operation 126.55.

f. CA/GRS responds to first broadcast of arriving, transiting or departing ACFT.

g. CA/GRS unable to cancel SARWATCH. Contact FIA 121.85 on ground.

RADIO NAVIGATION AND LANDING AIDS

DME    AYE    117.1/118X            251017.3S    1305829.2E            (1)  
NDB    AYE    233            251021.7S    1305829.3E    Range 100            (2)  
(1) Antenna ELEV 1621FT.  
(2) 173/0.8 to ARP.



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## LOCAL TRAFFIC REGULATIONS

1. ACFT ABV 22,700KG must use RWY turn pads for 180DEG turns.
2. Sealed TWY B and D only AVBL to ACFT BLW 5,700KG MTOW.
3. Parking restrictions apply at Ayers Rock Airport. ACFT with a wingspan greater than 15M may operate with prior approval from AD OPR. GA apron only AVBL to ACFT BLW 5,700KG MTOW with a wingspan not exceeding 15M.
4. RPT Bays 5 and 5A cannot be occupied simultaneously unless authorised by AD OPR.
5. Pilots of all jet and turboprop ACFT are required to apply MNM power on all engines when departing from parking Bays 1-5 on RPT apron. Also on taxiing to prevent erosion of soft TWY shoulders.
6. Pilots of HEL should hover TAX from or to parking from the FATO.
7. HEL not permitted to land/take off directly from GA/RPT aprons unless OPR on approved helipads.
8. HEL OPS ABV 5,700KG MTOW to be coordinated with the AD OPR.
9. To avoid confusion, pilots should refer to the aerodrome as "Ayers Rock" or "Ayers Rock Aerodrome" and should refer to the Rock itself (the icon) as "The Rock".

## FLIGHT PROCEDURES

1. Pilots of arriving ACFT shall broadcast on the CTAF at 20NM YAYE.
2. Pilots of arriving ACFT are requested to broadcast their intended RWY for landing and the planned circuit entry procedure with the inbound broadcast.
3. Pilots of outbound ACFT shall monitor the CTAF until 20NM YAYE or WI CTA.
4. Non-residential pilots wishing to visit Ayers Rock/Connellan are advised to call the CA/GRS to gain an awareness of local patterns, busy periods and local weather info.  
Contact CA/GRS on 08 8956 3668.
5. Right hand circuits RWY 31.
6. Low VIS TKOF less than 800M are not supported.
7. STANDARD SCENIC FLIGHT PROCEDURES - See ERSa Special Procedures.

## CTAF - AFRU 126.9

## ADDITIONAL INFORMATION

1. Bird and animal hazard exists. Confirmed hazards advised via NOTAM.
2. Hazardous conditions exist for light ACFT when LDG on RWY 13 with an E crosswind, due to close proximity of sand dunes alongside the RWS at the N end. Windshear in both speed and direction can exist. To minimise the hazard pilots should aim to achieve touch down either in the first 400 of the RWY or beyond 800 FM the THR. Pilots should also be aware that dust devils are prevalent around the AD throughout the year.
3. Delicensed AD 2 KM NE of Ayers Rock has ceased to exist as a LDG area.
4. Motor Gliders with wing span greater than 15M required to give airport 72HR notice to arrange parking, and should also fold wings prior to entering the GA APN and parking area.

## CHARTS RELATED TO THE AERODROME

1. WAC 3344.
  2. Aerodrome Obstruction Chart Type A: RWY 13/31 September 2012.
  3. Also refer to AIP Departure and Approach Procedures.
-

**AYR****ELEV 40****FULL NOTAM SERVICE NOT AVBL**

QLD

UTC +10

YAYR

193547S

1471929E

VAR 8 DEG E

UNCR

AD OPR Burdekin Shire Council, PO Box 974, Ayr, QLD, 4807.

Email: burdekinsc@burdekin.qld.gov.au. PH 07 4783 9800. Fax 07 4783 9999.

**HANDLING SERVICES AND FACILITIES**

AVGAS AVBL H24 FM a self-service fuel dispenser. Credit cards accepted.

**PHYSICAL CHARACTERISTICS**

01/19 Sealed - bitumen, Length: 1,462M.

11/29 Grass, Length: 1,127M.

**AERODROME AND APPROACH LIGHTING**

Solar LGT on RWY 01/19 only.

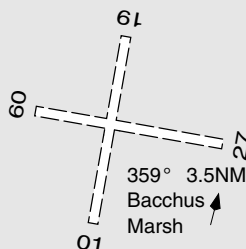
**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

120.55 3,000FT

**CTAF** 126.7**CHARTS RELATED TO THE AERODROME**

WAC 3219.

**BACCHUS MARSH****ELEV 520****FULL NOTAM SERVICE NOT AVBL**

VIC  
374400S 1442520E UTC +10 YBSS  
VAR 11 DEG E UNCR  
AD OPR Bacchus Marsh Aerodrome Management Inc, PO Box 375,  
Bacchus Marsh, VIC, 3340. ARO 0439 391 257 or 0407 539 041.  
Website: [www.ybss.com.au](http://www.ybss.com.au).

**REMARKS**

1. PPR all ACFT - Phone ARO.
2. All ACFT - Refer website for charges and conditions of use.

**HANDLING SERVICES AND FACILITIES**

Bacchus Marsh Aero Refuellers: AVGAS 100LL.  
Phone 0407 539 041.  
TVSA pilot training: AVGAS 100LL 24HR credit card swipe facility.  
Phone 03 5369 5162.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 135.7

**CTAF 118.8****LOCAL TRAFFIC REGULATIONS**

Carriage and use of radio is required by AD OPR.

**FLIGHT PROCEDURES**

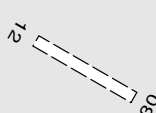
1. All powered ACFT and gliders should broadcast when turning onto base leg.
2. If wind is BLW 5KT and variable, RWY 19 or 27 must be used by all ACFT. Wind ABV 5KT, operate on the most into wind RWY.
3. The following also apply when gliding operations are in progress:
  - a. The duty RWY is the RWY in use by the gliding operation.
  - b. Gliders and tugs operate from the grass on side of the duty RWY short of the displaced threshold. Other ACFT should land beyond the displaced threshold.
  - c. All powered ACFT except tugs should commence take-off from the displaced threshold unless operationally required.
  - d. Helicopters must follow the standard aeroplane circuit pattern and operate to or beyond the displaced threshold.
  - e. Straight-in approaches or joining circuit on base leg are NOT recommended.
  - f. Overflying the AD should be avoided. If operationally necessary, overfly as high as practicable.

**ADDITIONAL INFORMATION**

1. Gliding OPS HJ - Aerotow and winch launched. Gliders and tugs normally operate inside and below standard 1,000FT circuit.
2. Wildlife hazard (kangaroos) exists at various times, mostly dawn and dusk.

**CHARTS RELATED TO THE AERODROME**

WAC 3469, 3470.

**BADU ISLAND****ELEV 45****FULL NOTAM SERVICE NOT AVBL**

QLD  
100900S 1421027E UTC +10 YBAU  
VAR 5 DEG E UNCR  
AD OPR Torres Strait Island Regional Council, PO Box 7336, Cairns, QLD,  
4870. PH 07 4034 5700. ARO 0429 537 202 (H24).

**REMARKS**

RESTRICTED OPS: PPR from AD OPR.

**AERODROME OBSTACLES**

1. RWY 12/30 transitional SFC infringed by trees on both side of RWY.
2. Inner HZS infringed by hill E of AD. OBST light not provided.

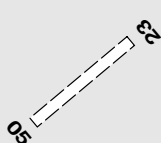
**CTAF 126.7**

**ADDITIONAL INFORMATION**

1. Ultralight ACFT OPS at AD.
2. Bird hazard may exist WI VCY of AD.
3. Model ACFT OPR WI 1,000M RAD of PSN 375630.00S 1473200.00E BRG 192 MAG 3.7NM FM ARP SFC to 1,500FT AGL.
4. Increased HEL OPS during summer season for fire EMERG.
5. ACFT OPR above published physical characteristics, CTC ARO for pavement concession.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3470.
2. Also refer to AIP Departure and Approach Procedures.

**BALCANOONA****ELEV 474****FULL NOTAM SERVICE NOT AVBL**

SA  
303204S 1392016E  
AD OPR Arkaroola Wildlife Sanctuary, Private Bag 106, Port Augusta, SA,  
5700. PH 08 8648 4848. Fax 08 8648 4846.

UTC +9:30 YBLC  
VAR 7 DEG E UNCR

**HANDLING SERVICES AND FACILITIES**

Fuel not AVBL. AVGAS AVBL 9NM to the north at Arkaroola Airstrip with PN.

**AERODROME AND APPROACH LIGHTING**

Solar Lighting RWY 05/23 H24.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 121.2 5000FT

**LOCAL TRAFFIC REGULATIONS**

Wet WX OPS - Confine OPS to RWY central 23M, TWY and APN areas.

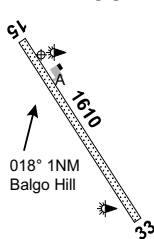
**CTAF** 126.7

**ADDITIONAL INFORMATION**

Kangaroo Hazard Exists.

**CHARTS RELATED TO THE AERODROME**

WAC 3355.

**BALGO HILL****ELEV 1440****AVFAX CODE 8301**

WA  
200854S 1275826E  
AD OPR Wirrimanu Aboriginal Community, PMB 7, Balgo Community, via Halls  
Creek, WA, 6770. Email: office@wirrimanu.org.au.  
PH Wirrimanu Office 08 9168 8900. ARO 0429 822 448.  
Community CEO 0402 418 748. Fax 08 9168 8950.

UTC +8 YBGO  
VAR 3 DEG E CERT

**REMARKS**

1. AD Charges: All ACFT \$20.00/Tonne. MNM \$20.00.
2. ACFT with more than 10 seats are required to contact AD OPR 2HR prior to ARR for RWY inspection.

**PASSENGER FACILITIES**

Telstra mobile service AVBL.

**PHYSICAL CHARACTERISTICS**

15/33 144 53c Unrated. Gravel

WID 30 RWS 90

**AERODROME AND APPROACH LIGHTING**

RWY 15/33 LIRL(1) PAL 129.1

(1) For emergency use and RFDS and Police night OPS only.

**OTHER LIGHTING**

TWY LGT: Blue edge.

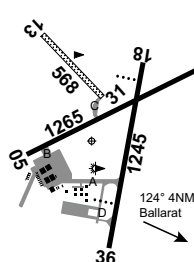
**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

118.9 On ground

**CTAF** 126.7**CHARTS RELATED TO THE AERODROME**

1. WAC 3231.
2. Also refer to AIP Departure and Approach Procedures.

**BALLARAT****ELEV 1433****AVFAX CODE 3011**

VIC

373042S

1434728E

UTC +10

VAR 11 DEG E

YBLT

CERT

AD OPR City of Ballarat, Sturt Street, Ballarat, VIC, 3350.

PH 03 5320 5881. Fax 03 5320 5822.

**REMARKS**

1. AD restricted to ACFT BLW 5,700KG.
2. ACFT ABV 5,700KG and/or 450kPa tyre pressure must contact AD OPR for approval - Phone 0409 869 368 or 0418 137 784.
3. Ballarat is a high density Training Aerodrome.

**HANDLING SERVICES AND FACILITIES**

BP: Ballarat Aviation Group: 2300-0730 UTC DLY. 2 HR PN, Phone 0438 508 576. Call-out fee \$40.

Credit cards and BP Carnet (H24) AVBL. AVGAS, O125.

Field Air: Phone 03 5330 9330, Fax 03 5330 9333, AH 0428 518 344. Credit card (MC and VISA only) AVBL (H24). JET A1 facility located W of TWY B.

**APRONS AND TAXIWAYS**

TWY D MAX wing span 15M (Code A).

**AERODROME OBSTACLES**

1. Towers 1,675FT AMSL, 3,450M SSW of ARP.
2. RWY 05 S side transitional SFC infringed by tower and aerial.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT C, METAR/SPECI.
2. AWIS Phone 03 8470 3202 - Report faults to BoM.
3. AWIS FREQ 134.05 (requires one-second pulse to activate) - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

05/23 051 42a PCN 6 /F /B /450 (65PSI) /U

WID 30 RWS 90

13/31 124 19c Unrated. Grass

WID 30 RWS 90

18/36 178 41a PCN 6 /F /B /450 (65PSI) /U

WID 30 RWS 150

**AERODROME AND APPROACH LIGHTING**

RWY 05/23 PTBL

BY PRIOR ARRANGEMENT

RWY 18/36 LIRL(1) AFRU+PAL 127.75

RWY 18 PAPI(2) AFRU+PAL 127.75 3.0 DEG29.5FT

RWY 36 PAPI(3) AFRU+PAL 127.75 3.0 DEG29.5FT

(1) HN.

(2) Right side.

(3) Left side.

RWY edge light spacing: 18/36: 60M.

**OTHER LIGHTING**

TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE

126.8 2000FT

**LOCAL TRAFFIC REGULATIONS**

1. Circuit training not permitted BTN 2300-0600 Local.
2. Glider OPS HJ WI RWS. 200M displaced THR will be placed when gliding OPS are RWS 18/36 or RWS 05/23.
3. RWY gradients may inhibit visibility from all thresholds and pilots must confirm that both RWYs are clear before landing or takeoff.
4. Visiting ACFT are not to conduct circuit training at any time.

**FLIGHT PROCEDURES**

1. Right hand CCTS RQ when OPR on RWY 18 or RWY 13.
2. In nil wind COND use RWY 18.
3. Training flights conducting practice instrument approach should add 1,000FT to all the ALT prescribed in the approach to reduce noise nuisance and interference with circuit traffic. Such flights should BCST their intentions, including ALT limit of OPS when turning inbound. IMC flights should remain as high as practicable when encountering VMC and join the circuit in the standard manner.
4. Tugs towing Gliders to remain east of RWY 18/36 centre line until glider release.

**CTAF - AFRU** 127.75**ADDITIONAL INFORMATION**

1. Bird hazard exists.
2. Possible high ab initio training 0700-2300 Local.
3. Model ACFT OPR HJ WI 1,000M RAD of Burrumbeet Racecourse  
PSN 372944S 1434014E BRG 269 MAG 5.85NM FM ARP SFC to 3,000FT AMSL.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3469.
2. Also refer to AIP Departure and Approach Procedures.

**BALLERA****ELEV 385****AVFAX CODE 4135**

QLD  
272430S 1414830E UTC +10 YLLE  
AD OPR Santos Ltd, PO Box 2319, Adelaide, SA, 5001. PH 08 8116 5213. CERT  
ARO 07 4646 8103.

**REMARKS**

1. Restricted OPS. PPR for all OPS.
2. All OPS: advise AD OPR at least 20MIN prior to ETA on 126.4. CS 'Ballera Base'.
3. AD Charges: Non-company aircraft.
4. Bay 2 for all jet refuelling.

**HANDLING SERVICES AND FACILITIES**

Private terminal facilities. JET A1 private facility.  
Refuelling PH: 08 8678 4107 AVBL H24.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT C, METAR/SPECI.
2. AWIS PH 07 3564 3702 - Report faults to BoM.
3. AWIS FREQ 128.65 - Report faults to Santos Limited.

**PHYSICAL CHARACTERISTICS**

03/21 032 59a PCN 30 /F /A /1130 (164PSI) /T Sealed WID 30 RWS 150

**AERODROME AND APPROACH LIGHTING**

RWY 03/21 LIRL PAL+AA 120.05 SDBY PWR AVBL  
RWY 03/21 PAPI(1) PAL+AA 120.05 3.0 DEG48FT SDBY PWR AVBL  
RWY 03/21 PTBL(2) BY PRIOR ARRANGEMENT

- (1) Left side.
- (2) EMERG only. 60MIN PN.
1. Secondary PWR MAN activated - 45 MIN PN.
2. RWY 03/21 edge light spacing: 60M.

OTHER LIGHTING

TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA                      BRISBANE CENTRE                      118.8 Circuit area

LOCAL TRAFFIC REGULATIONS

- 1. ACFT ABV 5,700KG must use RWY turning nodes for 180 DEG turns.
- 2. Requirement for all ACFT to taxi to turning nodes and execute MAX radius turns. November to March inclusive.

FLIGHT PROCEDURES

- 1. No circling to the W of AD.
- 2. Right hand circuits RWY 03.

CTAF - AFRU 126.7

ADDITIONAL INFORMATION

- 1. CAUTION: High pressure gas discharge 1,600M N of AD (D611).
- 2. Increased wildlife activity will be communicated via NOTAM as required. Pilots are encouraged as part of flight planning to REQ current information from AD safety personnel on 07 4646 8103.

CHARTS RELATED TO THE AERODROME

- 1. WAC 3342.
- 2. Also refer to AIP Departure and Approach Procedures.

**BALLIDU**

WA

303536S

AD OPR Shire of Wongan Ballidu, PO Box 84, Wongan Hills, WA, 6603.

Email: shire@wongan.wa.gov.au. Council PH 08 9671 1011: AD Phone 08 9674 1264.

Fax 08 9671 1230.

1164648E

UTC +8

VAR 1 DEG W

**ELEV 950**

**FULL NOTAM SERVICE NOT AVBL**

YBIU

UNCR

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA                      MELBOURNE CENTRE                      124.8 Circuit area

CTAF 126.7

**CHARTS RELATED TO THE AERODROME**

WAC 3351.

**BALLINA/BYRON GATEWAY**

**AVFAX CODE 2005**

NSW

285002S

AD OPR Ballina Shire Council, PO Box 450, Ballina, NSW, 2478. PH Airport 02 6681 1858 BH.

ARO H24 0414 482 584. Council PH 02 6686 4444 BH.

1533345E

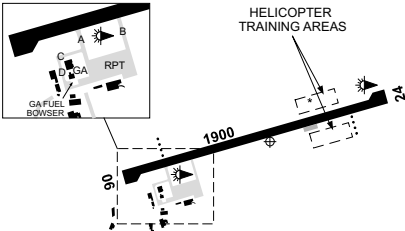
UTC +10

VAR 12 DEG E

**ELEV 7**

YBNA

CERT





## REMARKS

1. This AD is a Security Controlled Airport.
2. The RPT apron is a Security Restricted Area. All non RPT ACFT must obtain prior approval of AD OPR to gain access to and from the RPT apron.
3. Terminal is closed to airside access except for RPT services. Prior approval of AD OPR must be obtained for access to the terminal building. Passenger and baggage screening may be in operation.
4. Access to GA apron area via pedestrian gate 1A. GA access to terminal building not AVBL.
5. AD Charges: Landing fees all ACFT. Parking fees apply to all non RPT ACFT.
6. High visibility safety vest (or equivalent) and valid ASIC or BBGA VIC must be worn/ displayed airside.

## HANDLING SERVICES AND FACILITIES

VIVA Ballina Refuelling. JET A1 tanker. Site hours 0730 - 1630 Local DLY. Site PH 0431 215 233. AH callout fee may apply. AH PN required. AH PH 0402 209 919. AVGAS bowser only. Viva fuel, carnet and credit cards (V and MC) – must present card.

## RESCUE AND FIREFIGHTING SERVICES

1. CAT 6 2015-1115 UTC DLY (1HR earlier HDS).
2. Water rescue service AVBL.

## AERODROME OBSTACLES

1. Lit TWR and trees 388FT 043 DEG MAG 3.5KM FM ARP.
2. Multiple trees infringe the TNS within an arc BRG 300-027 DEG MAG 350-493M FM ARP.

## METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT B, METAR/SPECI.
2. AWIS Phone 02 9353 6402 - Report faults to BoM.
3. AWIS FREQ 134.8 - Report faults to AD OPR.

## PHYSICAL CHARACTERISTICS

- 06/24 062 62a PCN 24 /F /A /1200 (174PSI) /T Grooved. WID 30 RWS 150
1. All ACFT takeoff, landing and taxiing to be confined to sealed surfaces only.
  2. Transitional SFC at W end infringed by transient vehicles.

## AERODROME AND APPROACH LIGHTING

|           |         |              |             |               |
|-----------|---------|--------------|-------------|---------------|
| RWY 06/24 | MIRL    | PAL+AA 121.3 |             | SDBY PWR AVBL |
| RWY 06/24 | PAPI(1) | PAL+AA 121.3 | 3.0 DEG53FT | SDBY PWR AVBL |
| RWY 06/24 | RTIL    | PAL+AA 121.3 |             | SDBY PWR AVBL |

(1) Left Side.

1. PAL operates PAPI and RTIL HJ. PAL operates PAPI, RTIL and MIRL during adverse weather conditions HJ.
2. RWY 06/24 edge light spacing: 60M

## OTHER LIGHTING

1. Secondary PWR switchover time: 15 SEC.
2. TWY LGT: Blue edge.
3. RWY 06/24 RWY guard lights OPR at RWY HLDG points.

## ATS AND AERODROME COMMUNICATION FACILITIES

|      |                     |                                                   |
|------|---------------------|---------------------------------------------------|
| FIA  | BRISBANE CENTRE     | 120.3 Circuit area - On ground COM contact 126.05 |
| SFIS | BALLINA INFORMATION | 124.2                                             |

1. SFIS HR: DLY 0800-1800 Local or as notified by NOTAM.
2. SFIS FREQ AVBL in circuit area.
3. SFIS responds to first broadcast of arriving, transiting or departing ACFT.
4. BALLINA INFORMATION provides a Surveillance Flight Information Service within the Ballina MBA SFC-8,500FT AMSL.
5. Outside the SFIS HR, the Ballina BA remains class G, with non-towered aerodrome PROC applying and FIS provided by BN Centre.
6. Ballina AFRU disabled during SFIS HR.

## RADIO NAVIGATION AND LANDING AIDS

|                                                                                       |     |     |           |            |                  |     |
|---------------------------------------------------------------------------------------|-----|-----|-----------|------------|------------------|-----|
| NDB                                                                                   | BNA | 206 | 285004.2S | 1533344.6E | Range 25 (HN 25) | (1) |
| (1) Pilot monitored - Not suitable for navigation in Sector 300 - 340. OPR by AD OPR. |     |     |           |            |                  |     |

## LOCAL TRAFFIC REGULATIONS

1. All radius turns on the APN follow the lead-in/lead-out lines marked on the pavement. No tight turns.
2. All radius turns on RWY turning nodes must follow the lead line marked on the pavement. No tight turns - to avoid pavement damage.
3. ACFT ABV 7,500KG must use turning nodes for 180 DEG turns on RWY. No mid-RWY turns.
4. Prior to taxiing and entering, all ACFT must ensure a visual check for any traffic that may already be on the RWY. "Radio shadowing" of transmissions may be experienced from aircraft operating at the eastern end of the RWY or lining up at THR24.
5. To minimise the effect of jet blast, all jet ACFT must taxi onto and away FM apron PRKG positions using MNM breakaway thrust.
6. Circuit training only permitted BTN 2100-1200 UTC (0700-2200 Local), 1 HR earlier during HDS.
7. **Parking:**
  - a. Non-RPT ACFT 15M wingspan and above must gain prior approval from AD OPR.
  - b. Grass PRKG not AVBL.
  - c. Helicopter PRKG not AVBL without prior approval of AD OPR.
8. **Helicopter Training:**
  - a. During daylight hours and in VMC, helicopter training will take place from the grassed training areas, to the N and S of RWY06/24, clear of the gable markers, and known respectively as Northern Grass and Southern Grass.
  - b. Helicopter training within the Ballina circuit will conduct right hand circuits on RWY24 and nonstandard left hand circuits on RWY06.
  - c. To facilitate the movement and OPS of other ACFT, helicopters will approach, depart and operate from the Northern or Southern Grass areas, clear of the active runway.
  - d. Helicopters will broadcast when operating clear of the RWY 06/24 active runway.
  - e. When transiting to or from the Northern and Southern Grass areas, hover operations near the TWYs, RPT Apron and Fire Station should be minimised in order to reduce noise impact.
  - f. Helicopters should minimise OPS over or near the housing areas to the E and W of the RWY so as to reduce noise impact.
  - g. Helicopters approaching or departing S shall conform to the normal circuit procedures.

## FLIGHT PROCEDURES

1. Right hand circuits RWY 06.
2. All ACFT departing, arriving or transiting the broadcast area must make broadcasts prior to or as soon as possible after entering the broadcast area.
3. Mandatory broadcast requirement when SFIS is active applies, see *AIP ENR 1.1*.

## CTAF - AFRU 124.2

## NOISE ABATEMENT PROCEDURES

For noise abatement purposes - When DEP RWY 06, maintain RWY HDG until E of the coast.

## ADDITIONAL INFORMATION

Wildlife hazard exists:

- a. The following species are present all year round:
  - (i) Flocks of small birds feeding above RWY and short final including fairy martin, welcome swallow, tree martin, and white-throated needletail.
  - (ii) Pacific black duck – may transit across RWS, particularly at dawn and dusk.
  - (iii) Cattle egret – may transit across RWS, particularly RWY 06 THR.
  - (iv) Australian magpie – focuses W end of airfield, may transit across RWY 06.

- b. A seasonal increase in the numbers of the following species can be EXP:
  - (i) MAR-MAY - flying foxes transit RWY 06 threshold at dusk.
  - (ii) APR to OCT - masked lapwing activity focuses W and E ends of airfield day or night.
  - (iii) Autumn and Spring – tree martin feeding above RWY and short final as they migrate through the region.
  - (iv) JUN-JAN – Australian white ibis may transit across AWS.
  - (v) AUG-MAR - black kite activity focused foraging above RWY 1000-1500 Local with increased temperatures.
- c. Increased bird activity during and post rainfall and adverse weather events including Australian white Ibis, straw-necked Ibis, white-throated needletail, ducks and silver gull.
- d. Species specific NOTAM will be issued during periods of increased activity.

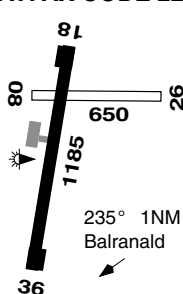
## CHARTS RELATED TO THE AERODROME

1. WAC 3357.
2. Also refer to AIP Departure and Approach Procedures.

## BALRANALD

**ELEV 210**

### AVFAX CODE 2233



NSW  
343725S 1433442E UTC +10 YBRN  
AD OPR Balranald Shire Council, PO Box 120, Balranald, NSW, 2715. CERT  
PH 03 5020 1300. ARO 0418 322 902 H24.

### AERODROME OBSTACLES

TWR 466FT AMSL BRG 205 DEG MAG 1.2NM FM ARP. Lit.

## PHYSICAL CHARACTERISTICS

|       |     |     |                             |        |        |
|-------|-----|-----|-----------------------------|--------|--------|
| 08/26 | 078 | 21c | 5700/350 (51PSI) Grass      | WID 30 | RWS 90 |
| 18/36 | 176 | 39a | PCN 9 /F /B /450 (65PSI) /U | WID 18 | RWS 90 |

## AERODROME AND APPROACH LIGHTING

RWY 08/26 PTBL(1) BY PRIOR ARRANGEMENT

RWY 18/36 LIRL PAL 123.9

RWY 18/36 PTBL(1) BY PRIOR ARRANGEMENT

(1) EMERG only. 60MIN PN.

## ATS AND AERODROME COMMUNICATION FACILITIES

FIA MELBOURNE CENTRE 118.6 7000FT

**CTAF** 126.7

## ADDITIONAL INFORMATION

Wildlife hazard exists. Australian magpie flying in flocks up to 30 transiting across RWY 18 THR BTW 50 – 150FT AGL HJ. CTC ARO via PH or CTAF for harassment.

## CHARTS RELATED TO THE AERODROME

WAC 3458.

**ELEV 706**

NT 143111S 1325300E UTC +9:30 YBMY  
VAR 3 DEG E UNCR  
AD OPR Barunga Community Board of Management, PMB 25,  
Katherine. NT 0852. PH 08 8975 4505. Fax 8975 4595.

Telephone facilities not AVBL.

|     |                 |                    |
|-----|-----------------|--------------------|
| FIA | BRISBANE CENTRE | 122.6 Circuit area |
|-----|-----------------|--------------------|

WAC 3109.

**ELEV 990**

|         |              |      |
|---------|--------------|------|
| NSW     | UTC +10      | YBAD |
| 305718S | VAR 11 DEG E | UNCR |

AD OPR Warrumbungle Shire Council, PO Box 191, Coonabarabran, NSW, 2357.  
ARO 0427 112 813. Council PH 02 6842 1944. Fax 02 6842 1337.

## PPR Phone ARO

Lit communications TWR, 303FT AGL 283DEG MAG 996M FM 11 RWS end.

|       |     |                                                                                             |        |        |
|-------|-----|---------------------------------------------------------------------------------------------|--------|--------|
| 11/29 | 52c | Unrated. Natural surface. RWY LEN 1,575M.<br>Turn pads each end and at 900M on APCH RWY 11. | WID 14 | RWS 30 |
|-------|-----|---------------------------------------------------------------------------------------------|--------|--------|

## RWY 11/29      LIRL      PAL 120.65      SDBY PWR AVBL

SDBY PWR: manually activated with 60MIN PN to ARO.

|     |                 |       |
|-----|-----------------|-------|
| FIA | BRISBANE CENTRE | 127.1 |
|-----|-----------------|-------|

1. ACFT must use turn pads to make 180 DEG turns.
2. Parking bay at western end of aerodrome.

CTAF 126.7

Bird and animal hazard.

## CHARTS RELATED TO THE AERODROME

WAC 3356, 3357.

**BARALABA****ELEV 400****FULL NOTAM SERVICE NOT AVBL**

QLD

UTC +10

YBAB

241112S

1495042E

VAR 9 DEG E

UNC9

AD OPR Banana Shire Council, PO Box 412, Biloela, QLD, 4715. PH 0447 446 603.

Council PH 07 4992 9500. Fax 4992 3493.

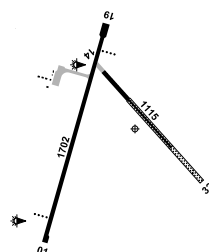
**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

135.3

**CTAF** 126.7**CHARTS RELATED TO THE AERODROME**

WAC 3340, 3341.

**BARCALDINE****ELEV 880****AVFAX CODE 4104**

QLD

UTC +10

YBAR

233355S

1451824E

VAR 8 DEG E

CERT

AD OPR Barcaldine Regional Council, PO Box 191, Barcaldine, QLD, 4725.

PH 07 4651 5600: Senior ARO 0438 528 993. PH AH 0428 683 465.

**REMARKS**

This AD is a Security Controlled Airport.

**HANDLING SERVICES AND FACILITIES**

George Bourne and Associates: Self-service bowser. Credit card swipe only. AVGAS and JET A1 AVBL H24. CTC 0458 303 544, 07 4651 5177, 2300-0600 UTC MON - FRI EXC PH. AH callout 1HR PN (AH callout fee \$200).

**AERODROME OBSTACLES**

Unlit tower 1,149FT 309 DEG MAG/3.3NM FM ARP.

**PHYSICAL CHARACTERISTICS**

|       |     |       |                                                   |        |         |
|-------|-----|-------|---------------------------------------------------|--------|---------|
| 01/19 | 009 | 56a   | PCN 16 /F /B /1000 (145PSI) /T Sealed             | WID 30 | RWS 150 |
| 14/32 | 131 | 37a/c | Unrated. Sealed 750M NW end to 30M WID for WID 30 | RWS 90 |         |
|       |     |       | first 276M, then to 18M WID for next 474M.        |        |         |
|       |     |       | Remaining 365M unsealed brown sand clay.          |        |         |

**AERODROME AND APPROACH LIGHTING**

|           |         |           |                            |
|-----------|---------|-----------|----------------------------|
| RWY 01/19 | LIRL    | PAL 119.6 | SDBY PWR AVBL              |
| RWY 01/19 | PAPI(1) | PAL 119.6 | 3.0 DEG 29FT SDBY PWR AVBL |
| RWY 01/19 | PTBL(2) |           | BY PRIOR ARRANGEMENT       |

(1) Left side

(2) 1HR PN

**OTHER LIGHTING**

1. TWY LGT: Blue edge.
2. SDBY PWR switchover time: less than 10 SEC.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 122.1 3000FT

**LOCAL TRAFFIC REGULATIONS**

1. All ACFT to turn at RWY thresholds.
2. No MNM radius turns.
3. PPR for all OPS ABV 20,000KG.

**CTAF - AFRU** 126.7**ADDITIONAL INFORMATION**

Bird and animal hazard exists.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3234.
2. Also refer to AIP Departure and Approach Procedures.

BARIMUNYA

AVFAX CODE 6826

WA

224026S

AD OPR Barimunya Aerodrome Joint Venture, Brookfield Place, 125 St Georges Terrace, Perth, WA, 6000. ARO 0408 427 212: Email 1 - barimunya.airport@bhp.com: Email 2 - barimunya.supervisor@bhp.com.

1190958E

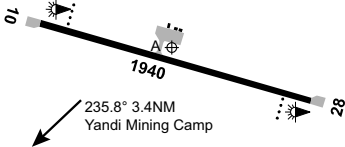
UTC +8

VAR 1 DEG E

ELEV 2082

YBRY

CERT



REMARKS

- 1. Restricted OPS. PPR from AD OPR.
- 2. All OPS - advise AD OPR at least 20 MIN prior to ETA on 129.75.
- 3. PRI source of power is derived from a generator.

HANDLING SERVICES AND FACILITIES

AIR BP: JET A1, CTC ARO.  
Marshalling, parking allocation and ground handling by prior arrangement with AD OPR.

PASSENGER FACILITIES

LG/RF/WC. Telstra 4G mobile reception.

AERODROME OBSTACLES

- 1. CAUTION: OBST lights NOT provided on Hills infringing N and S of AD inner HZS and CNS.
- 2. Extensive infringements N of AD, approx 1.6NM - 2.3NM, 287DEG MAG to 090DEG MAG FM ARP. MAX inner HZS infringement 345FT (2574.6FT AMSL).
- 3. Inner HZS infringed 33FT (2262.6FT AMSL), 275DEG MAG 1.6NM FM ARP.
- 4. Inner HZS infringed 66FT (2295.6FT AMSL), 307DEG MAG 1.9NM FM ARP.
- 5. Transitional SFC infringed 7FT, 150M S of RWY CL to S of APN/TWY.
- 6. Facility Infringements:
  - a. Transitional SFC infringed 8FT by Western IWI. Marked with red OBS light.
  - b. Transitional SFC infringed 1FT by Eastern IWI. Not marked.

METEOROLOGICAL INFORMATION PROVIDED

- 1. TAF CAT C, METAR/SPECI.
- 2. AWIS FREQ 122.075 - Requires one one-second pulse to activate. Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

10/28      104   64a   PCN 41 /F /A /1250 (181PSI) /T      WID 30   RWS 150

AERODROME AND APPROACH LIGHTING

|           |                                                                             |             |                      |
|-----------|-----------------------------------------------------------------------------|-------------|----------------------|
| RWY 10/28 | LIRL                                                                        |             | SDBY PWR AVBL        |
| RWY 10/28 | PAPI(2)                                                                     | 3.0 DEG42FT | SDBY PWR AVBL        |
| RWY 10/28 | PTBL(1)                                                                     |             | BY PRIOR ARRANGEMENT |
| (1)       | 90MIN PN.                                                                   |             |                      |
| (2)       | Left Side. Special wheel clearance for ACFT in 5M to 8M eye-to-wheel group. |             |                      |

RWY edge light spacing: 10/28: 60M.

OTHER LIGHTING

- 1. For aerodrome lighting activation outside of HS a minimum of 90 minutes prior notice is required.
- 2. SDBY PWR switchover time: Manually activated, 30 MIN PN required.
- 3. TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA      MELBOURNE CENTRE      128.15 3500FT

LOCAL TRAFFIC REGULATIONS

- 1. RWY 10/28: All ACFT ABV 5,700KG must make MAX RAD turns at MNM speed at turning nodes to avoid SFC damage.
- 2. All ACFT are required to backtrack on RWY centreline.
- 3. ACFT at opposite ends of RWY may not be visible to each other.
- 4. All ACFT to follow APN markings.
- 5. F100 - Use lead in/out Line A.
- 6. F70 - Use lead in/out Line B.
- 7. A320 - Use Bay 2A or 4 only. CAUTION: jet blast when ACFT powering out of Bay 2A.
- 8. Bays 3 and 4 not AVBL concurrently and HN due no illumination.
- 9. No fuel AVBL Bay 1. Overwing refuelling Bay 3 only.

FLIGHT PROCEDURES

RWY 10 - right hand circuits required.

CTAF - AFRU 127.05

AFRU signal not AVBL on ground at Barimunya.

ADDITIONAL INFORMATION

Mine blasting sites located 4.87NM SW of AD (224325.02S 1190536.00E) and in a line 4.75NM to the W and 4.2NM to the SE for the BHP Billiton site and 6.3NM SE of the AD (224548.12S 1191341.88E) and in a line 4NM to the SE for the Rio Tinto site. Regular blasting at 1000, 1400 and 1600 Local DLY. CTC the ARO for additional BHP Iron Ore and Rio Tinto Iron Ore blasting times.

CHARTS RELATED TO THE AERODROME

- 1. WAC 3229.
- 2. Also refer to AIP Departure and Approach Procedures.

|                                                                                      |          |                             |      |
|--------------------------------------------------------------------------------------|----------|-----------------------------|------|
| BARRACOUTA PLATFORM                                                                  |          | ELEV 100                    |      |
| AVFAX CODE 9711                                                                      |          | FULL NOTAM SERVICE NOT AVBL |      |
| VIC                                                                                  |          | UTC +10                     | YUTA |
| 381748S                                                                              | 1474034E | VAR 13 DEG E                | UNCR |
| AD OPR ESSO Australia Pty Ltd., Garretts Road, Longford, VIC, 3851. PH 03 5143 4200. |          |                             |      |

REMARKS

- 1. Offshore oil and gas platform.
- 2. CASA approved operators only.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA MELBOURNE CENTRE 124.0

CTAF 129.75

ADDITIONAL INFORMATION

Barracouta Platform is part of the Bass Strait maritime security zone.

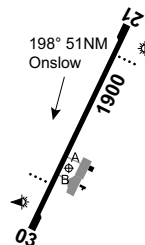
CHARTS RELATED TO THE AERODROME

- 1. WAC 3470.
- 2. Also refer to AIP Departure and Approach Procedures.

## BARROW ISLAND

### AVFAX CODE 6803

ELEV 24



WA 205152S 1152422E UTC +8 YBWX  
VAR 1 DEG E CERT

AD OPR Aerodrome Management Services Pty Ltd, PO Box 6127, East Perth, WA, 6892. Email: bwiairport@chevron.com. PH AD Manager 08 9184 3789.

### REMARKS

1. Restricted OPS. PPR from AD OPR.
2. ALL OPS - Advise AD OPR at least 20 MIN prior to ETA on 131.25.

### HANDLING SERVICES AND FACILITIES

Marshalling, parking allocation and ground handling services by prior arrangement with AD OPR.

Viva Energy Australia – JET A1 only. VIVA Carnet card or contract arrangement.

### PASSENGER FACILITIES

LG/RF/WC/Telephone facilities AVBL and Telstra 3G mobile reception.

### APRONS AND TAXIWAYS

1. All ACFT to follow APN markings.
2. Dual Lead-out lines on PRKG bays 2-4.
  - a. Inner Leads-outs for: Q400, B463 and F100
  - b. Outer Leads-outs for: Q400, E190 and F100
3. All jet ACFT to use idle power for movements on the APN with the exception of breakaway thrust to initiate taxi. ACFT that cannot comply with this restriction must advise AD OPR prior to departure.

### AERODROME OBSTACLES

1. Towers:
  - a. 584FT AMSL BRG 343 DEG MAG 2.7NM FM ARP. Infringes COS by 404FT, lit H24, HIOL strobe HJ, steady red MIOL HN.
  - b. 246FT AMSL BRG 343 DEG MAG 2.7NM FM ARP. Infringes COS by 75FT, marked and lit steady red MIOL HN.
  - c. 629FT AMSL BRG 345 DEG MAG 2.77NM FM ARP. infringes COS by 445FT marked orange and white and lit by flashing red MIOL HN.
2. Illuminated wind indicators:
  - a. Primary 41FT AMSL BRG 238 DEG MAG 0.3NM FM ARP. Infringes transitional SFC by 5FT.
  - b. Secondary 45FT AMSL BRG 028 DEG MAG 0.6NM FM ARP. Infringes transitional SFC by 1 FT.

### METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT B, METAR/SPECI.
2. AWIS PH 08 6216 2602 - Report faults to BoM.
3. AWIS FREQ 132.150 (requires one-second pulse to activate) - Report faults to AD OPR.

### PHYSICAL CHARACTERISTICS

03/21 026 62a PCN 25 /F /A /1210 (175PSI) /T Grooved WID 30 RWS 150

### AERODROME AND APPROACH LIGHTING

|           |         |                |                           |
|-----------|---------|----------------|---------------------------|
| RWY 03/21 | LIRL    | AFRU+PAL 120.1 | SDBY PWR AVBL             |
| RWY 03/21 | PAPI(1) | AFRU+PAL 120.1 | 3.0 DEG41FT SDBY PWR AVBL |
| RWY 03/21 | PTBL(2) |                | BY PRIOR ARRANGEMENT      |

- (1) Left side.
- (2) 90MIN RQ to setout lighting.
  1. RWY edge lighting spacing: 90M.
  2. Lighting manually activated by ARO 30MIN prior to scheduled ACFT arrival and deactivated 15MIN after departure.

### OTHER LIGHTING

1. SDBY PWR switchover time: 25 SEC.
2. TWY LGT: Blue edge (TWY B only).



**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 122.4 2000FT

**LOCAL TRAFFIC REGULATIONS**

1. RWY 03/21: All fixed wing ACFT ABV 20,000KG must make MAX RAD turns at MNM speed at turning nodes to avoid SFC damage.
2. Rotary ACFT are permitted to perform MID RWY turns. To avoid SFC damage rotary ACFT must make MAX RAD turns utilising full RWY width.
3. All ACFT are required to backtrack on RWY centre line.
4. All ACFT to contact "Barrow Ramp" on 130.40 prior to entering ramp area for PRKG instructions.
5. TWY A not AVBL for ACFT ABV 20,000KG.
6. Night OPS – Code C ACFT PRKG Bay 3 only.

**FLIGHT PROCEDURES**

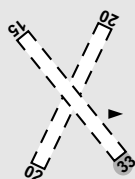
Right hand CCTS required when OPR on RWY 03.

**CTAF - AFRU** 120.1**ADDITIONAL INFORMATION**

1. Bird hazard, significantly increased bird activity after dusk and after rainfall.
2. Plume rise SFC to 1,800FT AMSL BRG 026 DEG MAG, 5NM FM ARP.
3. Extensive HEL OPS conducted DLY at and WI AD VCY.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3229.
2. Also refer to AIP Departure and Approach Procedures.

**BARWON FIELD****ELEV 260****FULL NOTAM SERVICE NOT AVBL**

VIC  
380849S 1441021E  
AD OPR Craig Taberner, 470 Pollocksford Rd, Gnarwarre, VIC, 3221.  
Email: ctaberne@ford.com. PH 0439 154 202 (H24).

UTC +10 YGBF  
VAR 11 DEG E UNCR

**REMARKS**  
PPR.

**PHYSICAL CHARACTERISTICS**

|       |     |                     |        |
|-------|-----|---------------------|--------|
| 02/20 | 28c | Grass. RWY LEN 850M | WID 15 |
| 15/33 | 28c | Grass. RWY LEN 850M | WID 15 |

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 134.325

**FLIGHT PROCEDURES**

1. Right hand circuits for RWY 02 and RWY 33.
2. No landing on RWY 02 due to rising terrain to south.

**CTAF** 119.0**ADDITIONAL INFORMATION**

Pilots should consider noise impacts and avoid overflying residential buildings.

**CHARTS RELATED TO THE AERODROME**

WAC 3469 and 3470.

81

36

36

VIC

381529S

1442539E

AD OPR Geelong Surfcoast Airpark, 1411-1419 Barwon Heads Road, Connewarre, VIC, 3227. PH 0418 138 840.

Website: [www.barwonheadsairport.com.au](http://www.barwonheadsairport.com.au).

REMARKS

1.

2.

Prior permission to land required, refer website.

Private AD, landing fees must be paid by all ACFT including RAA. Refer website.

ELEV 50

FULL NOTAM SERVICE NOT AVBL

UTC +10

VAR 12 DEG E

YBRS

UNCR

HANDLING SERVICES AND FACILITIES

AVGAS 100LL and JET A1 AVBL H24. Supplied by IOR Aviation Pty Ltd. Payment via IOR Aviation tag for account holders or the Fuelcharge APP. PH 1300 457 467. No credit cards accepted.

AERODROME OBSTACLES

High trees 200M to the north of RWY 18/36.

PHYSICAL CHARACTERISTICS

09/27

18/36

17c

26a

Unrated. Grass. RWY LEN 520M. Slope up to W.

Unrated. Sealed. RWY LEN 800M. RWY 36 DTHR 150M. Turn pad THR RWY 18, 30M WID.

Slope 2% up to N.

WID 30

WID 10

AERODROME AND APPROACH LIGHTING

RWY 18/36

MIRL(1)

PAL 119.0

(1) PAL requires 5 one-second pulses to activate

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

MELBOURNE CENTRE

123.35 3000FT

LOCAL TRAFFIC REGULATIONS

Caution when wet, back track RWY 18/36 preferred, remain on TWY.

FLIGHT PROCEDURES

1.

2.

Fly Neighbourly - Use preferred RWY 18.

Night circuits not available for visiting ACFT.

CTAF 119.0

ADDITIONAL INFORMATION

1.

2.

3.

4.

PJE and HEL OPS.

Highway to the south of RWY 18/36, 150M displaced threshold.

Windsock located RWY INT.

Dusk till dawn animal hazards exists on all RWY.

CHARTS RELATED TO THE AERODROME

WAC 3357.

BARYULGIL

291259S

1523654E

AD OPR Yulgilbar Pastoral Co Pty Ltd, 69 Pakenham Street, Echuca, VIC, 3564.

Email: [yupas@bigpond.com](mailto:yupas@bigpond.com). ARO 0418 341 797 (Aviation Manager).

REMARKS

1.

2.

LDG permission RQ (CTC AD Manager).

Not AVBL for training ACFT.

ELEV 398

FULL NOTAM SERVICE NOT AVBL

UTC +10

VAR 11 DEG E

YBYL

UNCR

PHYSICAL CHARACTERISTICS

15/33

149

49a

WID 18

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

126.8

**CTAF** 126.7**CHARTS RELATED TO THE AERODROME**

WAC 3357.

**BATHURST****ELEV 2435****AVFAX CODE 2138**

NSW

1493907E

UTC +10

YBTH

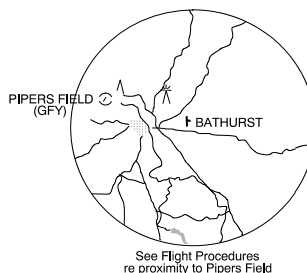
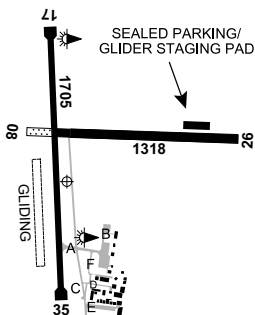
332434S

VAR 12 DEG E

CERT

AD OPR Bathurst Regional Council, PMB 17, Bathurst, NSW, 2795.

Email: airport@bathurst.nsw.gov.au. PH 02 6333 6100. ARO 0408 639 075. ARO Fax 6337 3429.

**REMARKS**

- AD Charges: All ACFT - refer fees and charges at Council's AD webpage.
- This AD is a Security Controlled Airport.

**HANDLING SERVICES AND FACILITIES**

BP - 'Aerowork Bathurst': 1HR PN (non BP Carnet), call-out fee applies. Phone 02 6337 3433 or 0429 322 424. 24HR Cardswipe Bowser - Air BP card only. AVGAS, O100, D100. BP Carnet, V, MC, Cheques (BH only).

Jet Chek: JET A1 Single point and overwing - PN required, AH call out fee applies.

Phone 0409 455 084. V, MC, Cash, no Carnet.

Aero Refuellers: Phone 02 6054 2200 or AH 0413 003 808. H24 AVGAS and JET A1 self-service bowsters. Accepts Aero Refuellers card, V and MC.

**PASSENGER FACILITIES**

PT/TX (131 008)/HC (02 6331 7033, 6337 3158, 6332 5774, 131 390, 133 039)/

RF (Aero Club 6337 3310)/ME (6337 3433)/WC. Groundsman 0408 639 075, Fax 6337 3429.

**METEOROLOGICAL INFORMATION PROVIDED**

- TAF CAT C, METAR/SPECI.
- AWIS Phone 02 9353 6404 - Report faults to BoM.
- AWIS FREQ 133.25 - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

08/26 079 43a 5700/580 (84PSI) 150M W end grass.

WID 18 RWS 90

17/35 164 56a PCN 12 /F /C /650 (94PSI) /T

WID 30 RWS 150

**AERODROME AND APPROACH LIGHTING**

RWY 17/35 LIRL AFRU+PAL 127.35

SDBY PWR AVBL

RWY 17/35 PAPI(1) AFRU+PAL 127.35 3.0 DEG41.5FT

SDBY PWR AVBL

(1) PAPI RWY 35 located right hand side.

RWY edge light spacing: 17/35: 59M.

## OTHER LIGHTING

1. Secondary PWR switchover time: 1 MIN.
2. TWY LGT: Green CL.

## ATS AND AERODROME COMMUNICATION FACILITIES

FIA MELBOURNE CENTRE 135.25 On ground

## RADIO NAVIGATION AND LANDING AIDS

NDB BTH 383 332450.6S 1493925.2E Range 30 (HN 30) (1)  
 (1) Pilot Monitored

## LOCAL TRAFFIC REGULATIONS

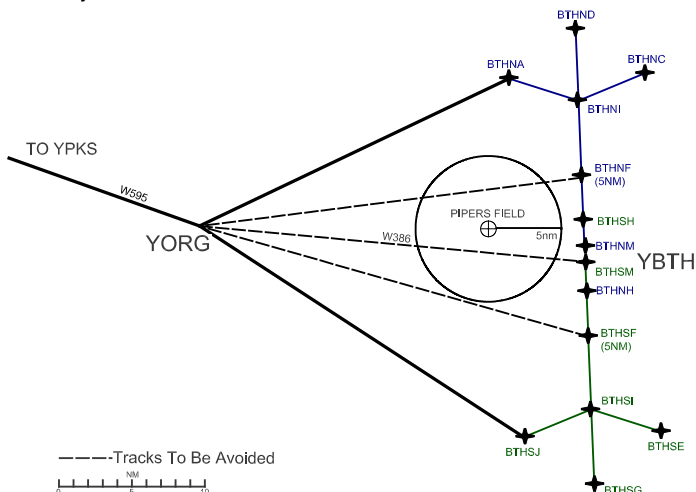
1. No circuit training BTN 2200 Local and first light.
2. Due to grades on RWY 17/35, the opposite ends of the RWY are not visible when taking off. Mandatory CTAF BCST RQ BFR OPR on RWY.
3. TWY F AVBL one way from TWY D. No entry to TWY F from TWY A.

## FLIGHT PROCEDURES

1. Right hand CCTS required HJ on RWY 35.
2. **GLIDING OPERATIONS - BATHURST AERODROME**
  - 2.1. Glider flying operations by Australian Air Force Cadets (AAFC) during daylight hours will be advised by NOTAM.
  - 2.2. Gliders and tugs are radio equipped and will broadcast and monitor CTAF 127.35 within 10NM of the aerodrome.  
*Note: Gliders outside 10NM from the aerodrome will use area frequency 135.25 or glider frequency 122.7*
  - 2.3. Powered aircraft must give way to landing gliders.
  - 2.4. Glider launches will not take place during air transport operations.
  - 2.5. Practice instrument approaches not recommended during glider flying.
  - 2.6. Runway 17/35 operations during glider flying operations:
    - a. NON-INDEPENDENT contra circuit operations may take place.
      - (i) Simultaneous parallel runway operations are NOT permitted.
      - (ii) THERE IS NO DEAD SIDE WITH CONTRA CCTS.
    - b. Gliders and tugs:
      - (i) Use grass strip west of Runway 17/35 using right hand CCTS on grass strip 17 and left hand CCTS on grass strip 35.
      - (ii) All glider and tug CCTS to the west. All glider operations, including CCTS, to remain west of Runway 17/35
    - c. Aircraft other than gliders and tugs:
      - (i) Use right hand CCTS on Runway 35 and left hand CCTS on Runway 17 (all CCTS are to the east)
      - (ii) Must not infringe the glider circuit below 1,500FT AGL.
      - (iii) Recommended join circuit on upwind overhead the runway or on downwind, to avoid the glider circuit.
  - 2.7. Runway 08/26 operations during glider flying operations:
    - a. Glider flying operations may take place using Runway 08/26 if operationally necessary.
    - b. All aircraft (including gliders and tugs) must use left hand CCTS. Contra CCTS not permitted.
    - c. Gliders and tugs normally fly below and inside standard 1,000FT circuit.
    - d. Gliders and tugs will occupy the runway for the minimum time during launch and recovery and will remain clear of the flight strip at other times.
    - e. When RWY 08 is the duty RWY, glider operations will be to the east of the aerodrome, otherwise glider operations will be to the west of the aerodrome for all other duty RWY.
  - 2.8. If the use of a crossing runway is operationally required, a wide circuit to join a long final, clear of established circuit traffic is recommended. Maintain runway heading on departure until clear of other circuit traffic.
  - 2.9. For more information contact Air Force Cadets on 0488 242 033 (CFI) or 0428 445 402 (Deputy CFI).

### 3. GLIDING OPERATIONS - PIPERS FIELD

- 3.1. Intensive gliding OPS at Pipers Field located 7NM W Bathurst AD - HJ, JF, and OCNL JO. Gliders monitor 122.7 WI 3NM Pipers Field and 127.35 (Bathurst CTAF) beyond 3NM FM Pipers Field. Glider training activities, including aerobatics, are concentrated WI 3NM Pipers Field up to A050 but glider OPS often extend well beyond 20NM Bathurst and ABV A080.
- 3.2. Intensive gliding activity will mainly be confined NORTH of the Orange-Bathurst highway. To avoid gliding activity, in VMC conditions by day other aircraft should remain SOUTH of the highway at all times between Orange Airport and the Macquarie River. Even when SOUTH of the highway keep watch as gliders may be operating or conducting cross-country exercises.



### CTAF - AFRU 127.35

#### ADDITIONAL INFORMATION

1. Frequent mowing operations occur within RWY strips during summer.
2. Bird hazard exists.
3. Significantly increased animal hazard (kangaroos) mainly at dawn and dusk.

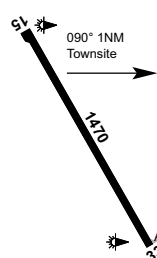
#### CHARTS RELATED TO THE AERODROME

1. WAC 3457, 3456.
2. Also refer to AIP Departure and Approach Procedures.
3. Aerodrome Obstruction Chart Type A: RWY 17/35 and 08/26 - Edition 22, June 2020.

### BATHURST ISLAND

**ELEV 67**

#### AVFAX CODE 8011



NT 114609S 1303711E UTC +9:30 YBTI  
 114609S 1303711E VAR 2 DEG E CERT  
 AD OPR Tiwi Islands Regional Council, PO Box 1, Bathurst Island, via Darwin,  
 NT, 0822. Email: infrastructure@tiwiislands.nt.gov.au. PH 08 8970 9500.  
 ARO 0407 979 325: EMERG 0427 451 735.

#### REMARKS

LDG fees apply per tonne and part thereof:

- a. Fixed wing ACFT 8,999KG MTOW: \$40.00/tonne.
- b. Rotary wing ACFT 2,499KG MTOW: \$40.00/tonne.
- c. 2,500KG MTOW and over: \$50.00/tonne.

*Note: No charge for Australian Army, Department of Defence, NT Police, balloons and gliders.*

PPR.

PASSENGER FACILITIES

WC.

AERODROME OBSTACLES

Two wind monitoring masts APRX 279FT AGL, one APRX 2,500M W and the other a similar distance SW from the threshold of the western end of the airstrip.

PHYSICAL CHARACTERISTICS

Both ends of the strip slope downwards.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA MELBOURNE CENTRE 126.8

LOCAL TRAFFIC REGULATIONS

Parking available.

CTAF 126.7

ADDITIONAL INFORMATION

Caution: Powerlines and trees.

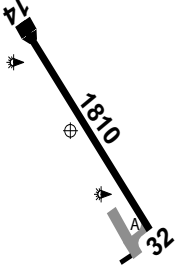
CHARTS RELATED TO THE AERODROME

WAC 3469.

BEDOURIE

ELEV 300

AVFAX CODE 4136



QLD  
242046S 1392737E UTC +10 YBIE  
AD OPR Diamantina Shire Council, 17 Herbert Street, Bedourie, QLD, 4829. CERT  
PH 07 4746 1600. ARO 0428 035 184.

REMARKS

This AD is a Security Controlled Airport.

AERODROME OBSTACLES

- Lit unmarked TWR 406FT AMSL, 2,814M FM RWY 14 SOT, 206M L of extended RCL.
- Unlit Telstra TWR 379FT AMSL, 2,837M FM RWY 14 SOT, 202M L of extended RCL.
- Unlit and unmarked COM mast 380FT AMSL, 2,782M FM RWY 14 SOT, 215M L of extended RCL.

PHYSICAL CHARACTERISTICS

14/32 140 59a PCN 9 /F /A /850 (123PSI) /T Sealed WID 30 RWS 90

AERODROME AND APPROACH LIGHTING

RWY 14/32 LIRL(1) AFRU+PAL 126.7 SDBY PWR AVBL

(1) SDBY PWR AVBL with 15 MIN PN

RWY edge light spacing: 14/32: 60M.

OTHER LIGHTING

TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA BRISBANE CENTRE 125.4 6500FT(On ground COM ACC 132.0)

CTAF - AFRU 126.7

ADDITIONAL INFORMATION

- CAUTION: SEV TURB possible on approach.
- CAUTION: Bird hazard may exist. Species specific NOTAM will be raised during periods of increased activity.

CHARTS RELATED TO THE AERODROME

- WAC 3342.
- Also refer to AIP Departure and Approach Procedures.

**BELLBURN**

WA

173241S

1281818E

UTC +8

VAR 3 DEG E

ELEV 800

FULL NOTAM SERVICE NOT AVBL

YBEB

UNCR

AD OPR Department of Environment and Conservation, Ranger in Charge, Purnululu National Park, WA, 6770. Email: calmpurn@wn.com.au. PH AH 08 9168 7300. Senior Ranger Purnululu 0432 406 643. Fax 08 9168 7326.

**REMARKS**

1. PPR. Private strip.

2. Permit required for landing from Department of Environment and Conservation - Phone 08 9168 2179 or AD OPR.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA

BRISBANE CENTRE

118.2

**FLIGHT PROCEDURES**

1. Right hand circuits RWY 10.

2. High volume of fixed wing and rotary wing scenic flights operate over the Bungles and in and out of Bellburn, refer to Special Procedures section for Standard Operating Procedures.

**CTAF** 127.3

**ADDITIONAL INFORMATION**

1. High frequency HEL traffic OPR in area. HEL based at strip.

2. Animal hazard possible.

**CHARTS RELATED TO THE AERODROME**

WAC 3222.

**BELLEVUE**

WA

273646S

1203538E

UTC +8

VAR 1 DEG E

ELEV 1555

YBLU

CERT

AD OPR IGO Limited, PO Box 496, South Perth, WA, 6951. Email: craig.gaffney@igo.com.au. PH AD Manager 0407 505 397.

**REMARKS**

Restricted OPS - PPR from AD OPR.

**HANDLING SERVICES AND FACILITIES**

Terminal facilities. No fuel available. Contact ARO.

**APRONS AND TAXIWAYS**

TWY A - Code C, 15M sealed.

330° 2.18NM

Cosmos Village

6L

2000

01

✈

✈

✈

**AERODROME OBSTACLES**

1. Terrain 1,832FT AMSL BRG 332 DEG MAG APRX 2.8NM FM ARP, penetrates OBST limitation SFC by 82FT.

2. Tower 1,795FT AMSL BRG 297 DEG MAG APRX 1.6NM FM ARP.

3. Cranes:

1,767FT AMSL BTN BRG 330-340 DEG MAG APRX 1.3NM FM ARP (temporary). Infringes HZS up to 50FT.

1,763FT AMSL BRG 315 DEG MAG 1.24NM FM ARP. Head frame infringes inner HZS by up to 110FT.

**PHYSICAL CHARACTERISTICS**

01/19

006 66a PCN 32 /F /C /1000 (145PSI) /T Sealed.

WID 30

RWS 150



**AERODROME AND APPROACH LIGHTING**

RWY 01/19 LIRL(3) SDBY PWR AVBL BY PRIOR ARRANGEMENT  
 RWY 01/19 PAPI(1) 3.0 DEG 49FT SDBY PWR AVBL BY PRIOR ARRANGEMENT  
 RWY 01/19 PTBL(2) BY PRIOR ARRANGEMENT  
 (1) Left side only. Manual activation with 30MIN PN.  
 (2) EMERG only. 60MIN PN. CTC ARO.  
 (3) 30MIN PN.

**OTHER LIGHTING**

- SDBY PWR switchover time: 15 MIN.
- TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 118.95 Circuit area

**LOCAL TRAFFIC REGULATIONS**

- All ACFT to use turn pads, MAX turn radius at MNM speed.
- All ACFT ABV 5,700KG MTOW must park on marked bays using appropriate lead-in lines.

**FLIGHT PROCEDURES**

Right hand circuit on RWY 01 due to terrain to the NW of the AD.

**CTAF 126.5**

AFRU at Leinster. Signal not AVBL on ground Bellevue.

**ADDITIONAL INFORMATION**

Bird hazard exists (budgies, swallows, parrots and crows) in VCY of AD.

**CHARTS RELATED TO THE AERODROME**

- WAC 3345.
- Also refer to AIP Departure and Approach Procedures.

**BELYANDO/LABONA****ELEV 805****FULL NOTAM SERVICE NOT AVBL**

QLD 1462150E UTC +10 YLBA  
 220016S VAR 8 DEG E UNCR  
 AD OPR Adani Mining Pty Ltd, Level 9, 120 Edward St, Brisbane, QLD, 4000.  
 Email: rod.ward@sodexo.com: adani.aro@bravus.com.au. PH Rod Ward 0431 559 986 H24. ARO 0409 531 338 H24.

**REMARKS**

Private AD. PPR for all OPS. Email AD OPR.

**HANDLING SERVICES AND FACILITIES**

IOR JET A1 AVBL - IOR account required.

**PASSENGER FACILITIES**

LG/WC.

**AERODROME OBSTACLES**

Lit mast 98FT AGL BRG 161 DEG MAG 1.52NM FM ARP.

**PHYSICAL CHARACTERISTICS**

18/36 36a Unrated. RWY LEN 1,105M. WID 18 RWS 80  
 Slope 0.89% down to N.

**OTHER LIGHTING**

Solar RWY LGT AVBL for emergency services only.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 128.55  
 UNICOM BELYANDO-LABONA UNICOM 126.7 (1)  
 (1) CS "Safety 1".

**LOCAL TRAFFIC REGULATIONS**

- PRKG bays unmarked. Follow ARO directions.
- Make a 'Rolling' call when lined up and prior to take-off due to line of sight limitations.

FLIGHT PROCEDURES

Right hand CCTS RQ when OPR on RWY 18.

CTAF 126.7

ADDITIONAL INFORMATION

Bird and wildlife hazard exists:

- a. Galahs and black kites in VCY of AD.
- b. Rabbits may be on airfield.
- c. Increased bird activity early morning and late afternoon.
- d. ARO will advise inbound aircraft via CTAF for increased bird activity.

CHARTS RELATED TO THE AERODROME

WAC 3234.

BENALLA

ELEV 569

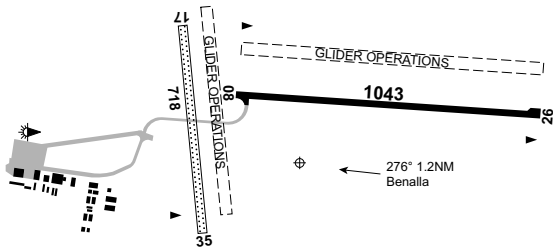
AVFAX CODE 3030

VIC  
363315S  
AD OPR Benalla Rural City Council, PO Box 227, Benalla, VIC, 3672.  
Email: council@benalla.vic.gov.au. PH 03 5760 2600.

UTC +10  
VAR 12 DEG E

YBLA  
CERT

1460033E



REMARKS

AD Charges: All AVTUR ACFT.

HANDLING SERVICES AND FACILITIES

Aero Refuellers: H24 card swipe. AVGAS and JET A1 bowsters. Accepts Aero Refuellers cards, V and MC.

AERODROME OBSTACLES

- 1. 30FT PWR line 365DEG 0.2NM FM RWY 17 THR.
- 2. 79FT water tower 248DEG 0.85NM FM RWY 08 THR.
- 3. Unlit 100FT radio tower 272DEG 0.94NM FM RWY 08 THR.

PHYSICAL CHARACTERISTICS

|       |     |     |                                      |        |        |
|-------|-----|-----|--------------------------------------|--------|--------|
| 08/26 | 083 | 34a | PCN 10 /F /B /450 (65PSI) /U Sealed. | WID 18 | RWS 90 |
| 17/35 | 163 | 24c | 5700/450 (65PSI) Grass slit clay.    | WID 30 | RWS 90 |

AERODROME AND APPROACH LIGHTING

RWY 08/26 LIRL PAL 123.4

OTHER LIGHTING

TWY LGT: Green CL.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA MELBOURNE CENTRE 125.2 Circuit area

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**FLIGHT PROCEDURES**

1. **CONTRA CIRCUITS IN OPERATION - THERE IS NO DEAD SIDE WITH CONTRA CIRCUITS.**
2. Gliders and tugs use separate glider strips 08/26 and 17/35, marked by orange gable markers. Also AVBL for tailskid equipped ACFT.
3. Glider/tug circuits to N or E, other ACFT circuits to S or W. Other ACFT must not infringe glider circuit BLW 2,000FT AGL. Right hand circuits RWY 08 and 17. Gliders/tugs right hand circuits glider strip RWY 26 and 35.
4. Tugs towing gliders DEP glider strip 26 turn in the direction of the circuit by the earlier of either the AD boundary or 200FT AGL.
5. **WHERE POSSIBLE ACFT SHOULD CONFORM TO ESTABLISHED RWY DIRECTION IN USE.** Join circuit in downwind position or upwind along RWY 08/26 or 17/35.
6. If use of a crossing RWY is operationally necessary a wide circuit to join a long final clear of established circuit traffic is advised. On DEP maintain RWY heading until clear of traffic.
7. No provision for a straight in APCH to RWY 26 at night.

**CTAF 125.6****NOISE ABATEMENT PROCEDURES**

1. **NOISE ABATEMENT:** RWY 17/35 fly wide circuits to avoid overflying Benalla township.
2. RWY 26 maintain RWY heading to 1,000FT AGL or until beyond hospital to left of extended centre line.

**ADDITIONAL INFORMATION**

1. **CAUTION:** Restricted area for Benalla explosive plant, R364 (1NM RAD of 362918S 1455935E, SFC - 2,000FT) is BTN 2.8 and 4.8NM N of AD on RCL for RWY 17/35. ACFT should be at or ABV 2,000FT (1,450FT AGL APRX) at 2.8NM N of AD.
2. Manned balloon OPS may occur in 3HR following first light and 2HR preceding last light.
3. Animal hazard (kangaroos and birds) exist.
4. All pedestrians must wear high visibility clothing when airside. Failure to do so may result in an infringement of \$200, as per Benalla Rural City Council Community Local Law 2017 Clause 9 (Council Signs).
5. Gliding OPS HJ. Simultaneous OPS from parallel glider strips.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3470.
  2. Also refer to AIP Departure and Approach Procedures.
-

**BENDIGO****ELEV 710****AVFAX CODE 3021**

VIC  
364421S 1441947E UTC +10 YBDG  
VAR 11 DEG E CERT  
AD OPR City of Greater Bendigo, PO Box 733, Bendigo, VIC, 3552.  
Email: [airport@bendigo.vic.gov.au](mailto:airport@bendigo.vic.gov.au). PH 03 5434 6000. ARO 0499 700 128.  
Website: [www.bendigoairport.com.au](http://www.bendigoairport.com.au).

**REMARKS**

- AD fees apply refer to website for details.
- This AD is a Security Controlled Airport. A valid ASIC must be displayed when airborne.
- Australian standards approved hi-visibility clothing/vest to be worn whilst on APN, TWY and RWY.
- PPR for all PRKG on RPT APN. CTC ARO mobile.

**HANDLING SERVICES AND FACILITIES**

Skyfuel: AVGAS and JET A1. H24 self-service bowsters accepts MC, V and Skyfuel Carnet card. PH 0418 862 100 or 0417 780 280. Refer to [www.skyfuel.com.au](http://www.skyfuel.com.au) for site information and orientation.

IOR Aviation Pty Ltd: JET A1 by tanker. H24. \$130 call-out fee applies outside 0800 - 1700 Local. PH Justin 0428 179 873.

Bendigo Ground Airport Services: Fixed Base Operator (FBO) service including ground transport. AVBL 24H with PN. CTC Justin HJ JO

PH 0408 574 094 or visit [www.bendigo-ground.com.au](http://www.bendigo-ground.com.au) for more information.

**APRONS AND TAXIWAYS**

Code C ACFT APN access via TWY D only. All other TWY 5,700KG MTOW.

**AERODROME OBSTACLES**

- Lit TWR:
  - 889FT AMSL BRG 276 DEG MAG 0.95 NM FM ARP. Infringes inner HZS by 52FT.
  - 852FT AMSL BRG 231 DEG MAG 1.85 NM FM ARP. Infringes inner HZS by 15FT.
- Building spire 941FT AMSL BRG 201 DEG MAG 2.01NM FM ARP. Infringes inner HZS by 104FT.
- Phone TWR 879FT AMSL BRG 222 DEG MAG 1.21NM FM ARP. Infringes inner HZS by 42FT.
- Transmission TWR:
  - 1,059FT AMSL BRG 187 DEG MAG 2.82NM FM ARP. Infringes COS by 94FT.
  - 1,087FT AMSL BRG 193 DEG MAG 3.01NM FM ARP. Infringes COS by 62FT.
  - 1,050FT AMSL BRG 180 DEG MAG 2.72NM FM ARP. Infringes COS by 116FT.
  - 977FT AMSL BRG 176 DEG MAG 2.57NM FM ARP. Infringes COS by 93FT.
  - 918FT AMSL BRG 172 DEG MAG 2.47NM FM ARP. Infringes COS by 65FT.
  - 869FT AMSL BRG 167 DEG MAG 2.37NM FM ARP. Infringes inner HZS by 32FT.
  - 838FT AMSL BRG 162 DEG MAG 2.30NM FM ARP. Infringes inner HZS by 1FT.

**METEOROLOGICAL INFORMATION PROVIDED**

- TAF CAT C, METAR/SPECI.
- AWIS PH 03 8470 3203 - Report faults to BoM.
- AWIS FREQ 128.15 - (requires one-second pulse to activate) - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

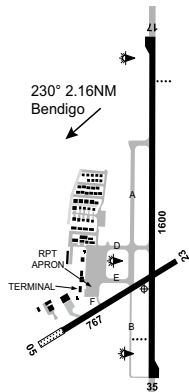
|       |     |     |                              |                       |        |         |
|-------|-----|-----|------------------------------|-----------------------|--------|---------|
| 05/23 | 050 | 25a | 5700/650 (94PSI)             | 130(427) W end grass. | WID 18 | RWS 60  |
| 17/35 | 171 | 52a | PCN 21 /F/D/1400 (203PSI) /T |                       | WID 30 | RWS 150 |

**AERODROME AND APPROACH LIGHTING**

|           |         |                |             |               |
|-----------|---------|----------------|-------------|---------------|
| RWY 17/35 | LIRL    | AFRU+PAL 119.3 |             | SDBY PWR AVBL |
| RWY 17/35 | PAPI(1) | AFRU+PAL 119.3 | 3.0 DEG50FT | SDBY PWR AVBL |

(1) Left side only.

RWY 17/35 edge light spacing: 60M.



**OTHER LIGHTING**

1. SDBY PWR switchover time: 15 SEC.
2. RWY guard lights (RGL) at RWY/TWY intersections.
3. TWY LGT: Blue edge on D.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 126.8 Circuit area

**LOCAL TRAFFIC REGULATIONS**

1. Circuit activity not permitted BTN 2200-0700 Local.
2. ACFT engine run up not permitted on RPT APN.
3. All Code C ACFT must roll through and use RWY turning nodes and MAX radius turns on RWY and APN.
4. ACFT advised to use tie-down near SkyFuel APN due to heavy prop wash from rotary ACFT.

**FLIGHT PROCEDURES**

Right hand CCTS RWY 05 and RWY 35.

**CTAF - AFRU** 119.3

**ADDITIONAL INFORMATION**

1. Bendigo is a high density training aerodrome.
2. Wildlife hazard exists:
  - a. Refer to NOTAM for seasonal INFO.
  - b. Flying fox in VCY of AD particularly 30MIN FM last light.

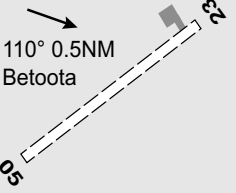
**CHARTS RELATED TO THE AERODROME**

1. WAC 3469, 3470.
2. Also refer to AIP Departure and Approach Procedures.

**BETOOTA**

**ELEV 248**

**FULL NOTAM SERVICE NOT AVBL**


 QLD  
 254142S 1404412E  
 AD OPR Diamantina Shire Council, 17 Herbert Street, Bedourie, QLD, 4829. PH 07 4746 1600. ARO 07 4656 4949. Fax 07 4746 1272.  
 ARO Fax 07 4656 4950.

UTC +10 YBEO  
VAR 7 DEG E UNCR

**PASSENGER FACILITIES**

Telephone facilities not AVBL.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 125.4 4000FT

**CTAF** 126.7

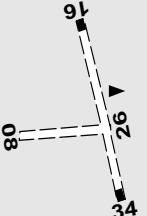
**CHARTS RELATED TO THE AERODROME**

WAC 3342.

**BEVERLEY (WA)**

**ELEV 720**

**FULL NOTAM SERVICE NOT AVBL**


 WA  
 320729S 1165700E  
 AD OPR Shire of Beverley, PO Box 20, Beverley, WA, 6304.  
 Email: admin@beverley.wa.gov.au. PH 08 9646 1200 (H24).

UTC +8 YBEV  
VAR 1 DEG W UNCR

**REMARKS**

Nil landing fees.

**HANDLING SERVICES AND FACILITIES**

Nil fuel AVBL.

PHYSICAL CHARACTERISTICS

08/2630cGravel. RWY LEN 900M.WID 40

16/3448a/cGravel. Bitumen strip 11M wide FM W side. RWY LEN 1,460M.WID 40

ATS AND AERODROME COMMUNICATION FACILITIES

FIAMELBOURNE CENTRE120.3

LOCAL TRAFFIC REGULATIONS

Bitumen in front of hangers is for Beverley Soaring Society tug parking and RFDS.

CTAF 126.85

FLIGHT PROCEDURES

Right hand circuits when OPR RWY 34.

ADDITIONAL INFORMATION

- 1.Extensive glider OPS HJ. Radio equipped ACFT monitor the CTAF.
- 2.Glider tugs may OPS contra rotating circuits in busy launching and glider recovery periods.
- 3.MET information refer to: <http://wind.beverley-soaring.org.au/>.
- 4.Animal hazard exists.

CHARTS RELATED TO THE AERODROME

WAC 3462.

BEVERLEY MINE

ELEV 382

FULL NOTAM SERVICE NOT AVBL

6L

058° 1.34NM

Camp Area

07

SA

301112S1393330E

AD OPR Heathgate Resources Pty Ltd, Suite 1, Level 7, 25 Grenfell Street, Adelaide, SA, 5000. PH 08 8110 0500 (Heathgate Head Office): 08 8648 4650. Fax 08 8648 4628.

UTC +9:30

VAR 7 DEG E

YBEE

UNCR

REMARKS

1.Private ALA. Restricted OPS. PPR.

2.Landing charges apply. Contact AD operator.

AERODROME AND APPROACH LIGHTING

RWY 01/19 RWY edge lighting spacing: 90M. CTC Beverley 30 MIN PN to enable activation. Portable SDBY lighting AVBL.

ATS AND AERODROME COMMUNICATION FACILITIES

FIAMELBOURNE CENTRE121.2 5500FT

LOCAL TRAFFIC REGULATIONS

All aircraft must use nodes for 180DEG turns.

FLIGHT PROCEDURES

- 1.Contact 'Beverley Base' 135.55 inbound.
- 2.Straight-in approach not permitted.

CTAF 126.7

ADDITIONAL INFORMATION

Possible dense traffic including survey and jet ACFT.

CHARTS RELATED TO THE AERODROME

WAC 3355.

**BINDOON HILL****ELEV 925****FULL NOTAM SERVICE NOT AVBL**

WA

UTC +8

YBHL

312025S

1161118E

VAR 1 DEG W

UNCR

AD OPR Superlight Aircraft Club of WA, PO Box 293, Bindoon, WA, 6502.

Email: secretary@slacwa.org.au. PH AD MGR 0492 930 303.

**REMARKS**

1. PPR.
2. Previously known as Bindoon Abandoned.
3. See SLACWA Standard Operating Procedures at [www.slacwa.org.au](http://www.slacwa.org.au).
4. AD located within R155B.

**HANDLING SERVICES AND FACILITIES**

Nil fuel AVBL.

**PHYSICAL CHARACTERISTICS**

09/27 46a/c Bitumen and gravel. RWY LEN 1,400M. WID 40  
900M FM RWY 09 THR bitumen.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 120.3

**FLIGHT PROCEDURES**

Right hand circuits RWY 27, avoid overflying houses on south side of Dewars Pool Rd, permission RQ before use.

CTAF 126.7

**ADDITIONAL INFORMATION**

1. Recreational aircraft club, ultralights, motor gliders, homebuilts, vintage, gyroplanes, helicopters, trikes and powered parachutes.
2. Further information contact ARO.
3. AD is published on Perth VNC

**CHARTS RELATED TO THE AERODROME**

WAC 3462.

**BIRCHIP****ELEV 340****AVFAX CODE 3009**

VIC

UTC +10

YBIR

355959S

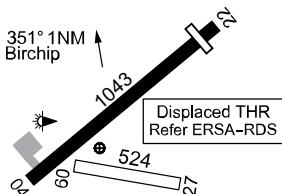
1425503E

VAR 10 DEG E

CERT

AD OPR Buloke Shire Council, PO Box 1, Wycheproof, VIC, 3527. PH 1300 520 520.

Fax 03 5493 7395.

**REMARKS**

AD not AVBL to ACFT ABV 5,700KG MTOW.

**AERODROME OBSTACLES**

1. Lit TWR 518FT AMSL 349 DEG MAG 1.1NM FM ARP.
2. Powerlines 36FT high, 340 W of RWS 09/27 and 360 SW of RWS end 04/22.
3. Grain silo - 38M high and 600M S FM RWY 04/22 and RWY 09/27 ends (W end of RWY). Silo is equipped with NAV red lights indicating height of silo.

WID 18      RWS 60  
WID 30      RWS 150



**AERODROME AND APPROACH LIGHTING**

RWY 14/32 LIRL(1) AFRU+PAL 126.7

SDBY PWR AVBL

(1) SDBY PWR 15MIN PN.

RWY edge light spacing: 14/32: 60M.

**OTHER LIGHTING**

TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

125.4 On ground

**RADIO NAVIGATION AND LANDING AIDS**

NDB BDV 413 255346.6S 1392112.3E Range 40 (HN 40)

**LOCAL TRAFFIC REGULATIONS**

Due to LTD APN area, all hardstand ACFT PRKG is allocated by the AD OPR. CTC ARO MOB.

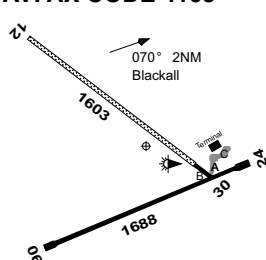
**CTAF - AFRU 126.7****ADDITIONAL INFORMATION**

Bird hazard may exist. Species specific NOTAM will be raised during periods of increased activity.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3342.

2. Also refer to AIP Departure and Approach Procedures.

**BLACKALL****ELEV 928****AVFAX CODE 4105**

QLD

242540S

1452543E

UTC +10

VAR 8 DEG E

YBCK

CERT

AD OPR Blackall - Tambo Regional Council, PO Box 21, Blackall, QLD, 4472. PH 07 4621 6600. ARO 0400 364 709:

AD MGR 0488 574 703 H24. Fax 07 4657 8855.

**REMARKS**

1. AD Charges: All ACFT.
2. AD OPR HR 0830-1645 Local MON-FRI.

**HANDLING SERVICES AND FACILITIES**

Blackall Aviation Fuels: JET A1 and AVGAS AVBL H24. Self serve bowsers ACT by V, MC and EFTPOS. Fuel enquiries 0417 624 422.

**METEOROLOGICAL INFORMATION PROVIDED**

1. METAR/SPECI.
2. AWIS PH 07 3564 3704 - Report faults to BoM.
3. AWIS FREQ 128.45 (requires one-second pulse to activate) - Report Faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

06/24 059 55a PCN 16 /F/B /1000 (145PSI) /T Sealed

WID 30

RWS 90

12/30 119 53c Unrated. Grey sand clay. Sealed 73(239) SE end

WID 30

RWS 90

**AERODROME AND APPROACH LIGHTING**

RWY 06/24 LIRL AFRU+PAL 126.7

RWY edge light spacing: 06/24: 60M.

**OTHER LIGHTING**

TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

122.1 6000FT

**CTAF - AFRU 126.7****ADDITIONAL INFORMATION**

Animal and bird hazard exists.

1. WAC 3341.
2. Also refer to AIP Departure and Approach Procedures.

QLD UTC +10  
233611S 1484825E VAR 9 DEG E  
AD OPR Blackwater Operations Pty Ltd, GPO Box 3224, Brisbane, QLD, 4001.  
PH AD MGR 0437 817 995.

1. This AD is NOT a Security Controlled Airport.
2. AD not AVBL EXC for MED OPS ACFT.

1. Dragline crane, 197FT AGL, 1,200M E of RWY may infringe HZS. Lit HN.
2. TWR lit, not marked. 912FT, BRG 070M/1,535M FM ARP infringes HZS by 108FT.

(1) EMERG only. PPR

### 122.3 Circuit area

CTAF 126.7

1. Possibility of kangaroos on movement area.
2. Blasting takes place at various sites near AD, SFC-2,500FT AGL. Prior to operating at Blackwater, all pilots should phone 07 4980 5725 to confirm blasting activity. By prior arrangement, no blasting occurs 1 hour either side of RPT movements.

WAC 3234, 3235.

|         |          |             |      |
|---------|----------|-------------|------|
| QLD     |          | UTC +10     | YBSM |
| 194329S | 1502529E | VAR 8 DEG E | UNCR |

AD OPR Auriga Group, 14 Argyle St, Albion, QLD, 4010. Email: [nick.plenty@auriga.com.au](mailto:nick.plenty@auriga.com.au).  
ARO 0436 316 986.

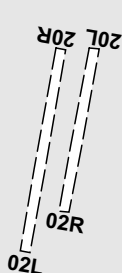
1. PPR.
2. Private use.

135.5

**CTAF** 126.7

### Approach for HEL marine pilot transfer.

Refer to AIP Departure and Approach Procedures.

**BLUEWATER PARK****ELEV 110****FULL NOTAM SERVICE NOT AVBL**

QLD

191130S

1462936E

UTC +10

VAR 7 DEG E

YBLP

UNCR

AD OPR Bluewater MFS Pty Ltd, PO Box 1932, Southport, QLD, 4215.

Email: admin@bluewaterairport.com. Website: www.bluewaterairport.com.

**REMARKS**

1. PPR and AD information CTC 0407 356 948.
2. RA Aus and GA OPS combined.
3. Townsville Flyers Inc. 426 Blue Mountain Drive, Bluewater Park QLD 4812.  
Email: admin@bluewaterairport.com, PN required for gate entry services  
PH 0458 704 656.

**PASSENGER FACILITIES**

WC (limited). Transport AVBL with PN to Townsville Flyers Inc.

**HANDLING SERVICES AND FACILITIES**

AVGAS and MOGAS AVBL with PN from Townsville Flyers Inc. Payment by prior arrangement on account or cash only.

**PHYSICAL CHARACTERISTICS**

02L/20R 49a/c 20000/ Unrated. Sealed first 1,100M northern end, remaining 400M grass. RWY LEN 1,500M. Gravel OPS due SFC degradation. WID 20

02R/20L 30c 1800/ Unrated. Grass. SWS after heavy rain. WID 14

RWY LEN 900M. 5 DEG slope to E.

**ATS AND AERODROME COMMUNICATION FACILITIES**

|         |                     |                  |
|---------|---------------------|------------------|
| FIA     | BRISBANE CENTRE     | 120.55 On Ground |
| APP/DEP | TOWNSVILLE APPROACH | 126.8            |
| ATIS    | TOWNSVILLE ATIS     | 133.5            |
| UNICOM  | BLUEWATER PARK      | 126.7 (1)        |
|         | UNICOM              |                  |

- (1) UNICOM often AVBL on CTAF. Ground based vehicular/pedestrian traffic to monitor CH 01 UHF.

**LOCAL TRAFFIC REGULATIONS**

1. Training danger area D764 often used by MIL OPS and controlled/monitored by YBTL APP.
2. Use rolling start and power up slowly due gravel on non-grass area.
3. Conduct run-ups on grass, never on stone/gravel areas.
4. Parking pads are bitumen with sections of gravel (medium strength subgrade). Hardened (medium strength) subgrade grass/gravel parking areas.
5. ACFT greater than 5,000KG must stay to hardened RWY and TWY.

**FLIGHT PROCEDURES**

1. Dead side always west. Circuit join via upwind 1,600FT preferred.
2. Maintain tight circuit to east to avoid residential areas.
3. Avoid overfly of isolated nearby homes.

**CTAF** 126.7**ADDITIONAL INFORMATION**

1. AD used by helicopters, ultralights and model ACFT.
2. Model ACFT ACT WI 500M RAD of YBLP AD BRG 283MAG 16NM FM YBTL AD PSN 191130.00S 1462936.00E up to 400FT AGL. Model ACFT club will monitor YBLP CTAF 126.7 and will vacate RWY for manned ACFT OPS. Contact Ian Rehbein PH 0458 704 656.
3. Most ACFT movement areas are all weather.

**CHARTS RELATED TO THE AERODROME**

WAC 3219.

BOIGU ISLAND

81

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2

QLD

91400S

1421300E

AD OPR Torres Strait Island Regional Council, PO Box 7336, Cairns, QLD, 4870. PH 07 4034 5700. ARO 0427 907 587 (H24).

ELEV 10

FULL NOTAM SERVICE NOT AVBL

UTC +10

YBOI

VAR 5 DEG E

UNCR

REMARKS

Restricted OPS: PPR from AD OPR.

AERODROME OBSTACLES

RWY 09/27 transitional SFC infringed by tree growth both sides of RWY.

PHYSICAL CHARACTERISTICS

RWY 09/27 sealed - unrated 730M.

FLIGHT PROCEDURES

For special procedures which apply to Torres Strait biosecurity requirements, see ERSa GEN - SPECIAL PROCEDURES.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA      BRISBANE CENTRE      120.3 3500FT

CTAF 126.7

CHARTS RELATED TO THE AERODROME

WAC 3097.

BOLLON

50

-----

23

QLD

280313S

1472842E

AD OPR Balonne Shire Council, PO Box 201, St George, QLD, 4487. PH 07 4620 8888. ARO 4625 6256. PH AH 4625 4496: 0427 740 268: 4625 3955: 0428 253 955.

ELEV 597

FULL NOTAM SERVICE NOT AVBL

UTC +10

YBLL

VAR 9 DEG E

UNCR

PASSENGER FACILITIES

PT

ATS AND AERODROME COMMUNICATION FACILITIES

FIA      BRISBANE CENTRE      118.95 10000FT

CTAF 126.7

ADDITIONAL INFORMATION

Bird hazard exists.

CHARTS RELATED TO THE AERODROME

WAC 3356.

BOMBALA

51

-----

27

NSW

365418S

1491100E

AD OPR Bombala Shire Council, PO Box 105, Bombala, NSW, 2632. Council PH 02 6458 3555.

ELEV 2480

FULL NOTAM SERVICE NOT AVBL

UTC +10

YBOM

VAR 13 DEG E

UNCR

REMARKS

No landing charges.

PHYSICAL CHARACTERISTICS

RWY 09/27 slopes up to E. Grass SFC.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA      MELBOURNE CENTRE      120.75

**CTAF 126.7****CHARTS RELATED TO THE AERODROME**

WAC 3470.

**BOOLEROO CENTRE****ELEV 1372****FULL NOTAM SERVICE NOT AVBL**

SA

325324S

1382200E

UTC +9:30

VAR 8 DEG E

YBOC

UNCR

AD OPR District Council of Mount Remarkable, PO Box 94, Melrose, SA, 5483.

Email: postmaster@mtr.sa.gov.au. PH 08 8666 2014. Fax 08 8666 2169.

**REMARKS**

PPR

**AERODROME AND APPROACH LIGHTING**

RWY 17/35 LIRL PAL 120.05.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE

123.9 On ground

**CTAF 126.7****CHARTS RELATED TO THE AERODROME**

WAC 3458.

**BOOLGEEDA****ELEV 1870****AVFAX CODE 6825**

WA

223228S

1171610E

UTC +8

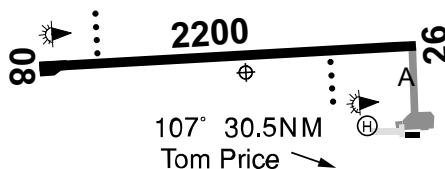
VAR 1 DEG E

YBGD

CERT

AD OPR Hamersley Iron Pty Ltd, Level 8, 93-95 William St, Perth, WA, 6000.

Email: bgdairport@amsaustralia.com. PH AD Manager 08 6213 9002, if not AVBL phone 0448 077 353.

**REMARKS**

Restricted OPS: 24HR PPR from AD OPR (AD Manager).

**HANDLING SERVICES AND FACILITIES**

VIVA Energy: VIVA Energy Australia Pty Ltd 2200-1000 UTC MON-FRI. AH call-out fee will apply, PN required. PH 0409 897 890. JET A1. VIVA Fuel2Sky Carnet card.

**APRONS AND TAXIWAYS**

TWY A - Code C, WID 18M, bitumen seal.

**AERODROME OBSTACLES**

1. Extensive terrain penetrations:
  - a. 2,943FT AMSL PSN BTN BRG 293-045 MAG 2,000-7,000M FM ARP.
  - b. 3,153FT AMSL PSN BTN BRG 075-093 MAG 12,000-16,000M FM ARP.
  - c. 2,494FT AMSL PSN BTN BRG 112-159 MAG 4,000-7,000M FM ARP.
2. Mast LIT 2,100FT AMSL PSN BRG 128 MAG 5,200M FM ARP.

- 36

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

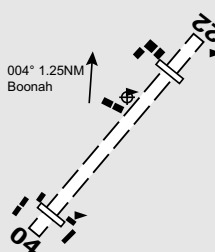
118.95 Circuit Area

**CTAF** 126.7**ADDITIONAL INFORMATION**

1. Beware of trees at N end.
2. Animal hazard exists.

**CHARTS RELATED TO THE AERODROME**

WAC 3356 and 3357.

**BOONAH****ELEV 330****FULL NOTAM SERVICE NOT AVBL**

QLD

280103S

1524036E

AD OPR Boonah Aviation Inc, PO Box 385, Boonah, QLD, 4310.

PH 0437 767 800 (Nigel Arnott).

UTC +10

VAR 11 DEG E

YBOA

UNCR

**REMARKS**

1. Landing fee of \$10.00 to all non BAI member aircraft payable in the box on the verandah, Boonah Gliding Club.
2. Standard HR for ACFT (other than gliders and circuit training) will be first light to last light.
  - a. No circuit flying before 0700 Local Monday to Saturday and before 0900 Local Sunday.
  - b. No departures RWY 04 before 0700 Local.

**HANDLING SERVICES AND FACILITIES**

IOR AVGAS - H24 credit card via IOR APP, cash services AVBL via Ultimate Aero Pty Ltd - Contact AD OPR.

**PASSENGER FACILITIES**

WC/TX 07 5462 4177 or 131 008/ME 0437 767 800.

**PHYSICAL CHARACTERISTICS**

04/22 34c Grass. RWY LEN 1,030M.

CTC AD OPR for RWY declared distances.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

119.5 On ground

**LOCAL TRAFFIC REGULATIONS**

1. Carriage and use of radio is required by AD OPR.
2. Hump in RWY limits line of sight, radio calls confirming the RWY is in use must be made prior to entering the RWY and landing.
3. Tug and glider combination DEP RWY 04 may turn right.

**FLIGHT PROCEDURES**

1. Visiting ACFT not permitted to do straight-in approaches.
2. Tug and glider combination DEP RWY 04 may turn right.

**CTAF** 122.75

NOISE ABATEMENT PROCEDURES

*Note: Compliance with the following Noise Abatement Procedures does not affect a pilot's responsibility to operate in accordance with civil aviation legislation and procedures.*

1.

2.

3.

4.

5.
- Pilots are requested to avoid the following:

Low flying over the township and houses.

Overflying the church located west of RWY 04 (especially before 0900 Local SUN).

Preferred RWY 22.

Departures form RWY 04 - pilots are requested to maintain RWY heading until past the township.

Visiting ACFT: touch and go landings not permitted.

Precautionary search and landing training not permitted.

ADDITIONAL INFORMATION

1.

2.

3.

4.
- Ultralight, gliding and recreational ACFT OPS and training.

Winch launching and aero-tow for glider OPS.

Warning: kangaroo hazard exists.

CAUTION: Use only white midfield WDI for RWY direction, others are spot references.

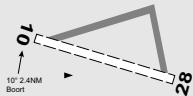
CHARTS RELATED TO THE AERODROME

WAC 3357.

BOORT

ELEV 294

FULL NOTAM SERVICE NOT AVBL



VIC

360814S

1434314E

AD OPR Shire of Loddon, PO Box 21, Wedderburn, VIC, 3518.

ARO 0428 554 225: 0419 527 150. Council PH BH 03 5494 1200.

UTC +10

VAR 10 DEG E

YBBT

UNCR

AERODROME AND APPROACH LIGHTING

1.

2.
- Lighting on request.

PAL - 120.65.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA                      MELBOURNE CENTRE                      125.8 Circuit area

CTAF 126.7

CHARTS RELATED TO THE AERODROME

WAC 3469.

BORDERTOWN

ELEV 265

FULL NOTAM SERVICE NOT AVBL

SA

361618S

1404318E

AD OPR District Council of Tatiara, 43 Woolshed Street, Bordertown, SA, 5268. PH 08 8752 1044.

Fax 08 8752 1442.

UTC +9:30

VAR 9 DEG E

YBOR

UNCR

AERODROME OBSTACLES

RWY approach N end transition SFC infringed by trees both sides.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA                      MELBOURNE CENTRE                      135.45 4,000FT

CTAF 126.7

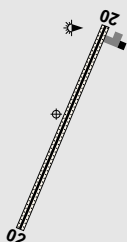
ADDITIONAL INFORMATION

Gliding OPS HJ, JF. Wire Launching.

CHARTS RELATED TO THE AERODROME

WAC 3469.



**BORROLOOLA****ELEV 55****AVFAX CODE 8003****FULL NOTAM SERVICE NOT AVBL**

NT 160431S 1361808E UTC +9:30 YBRL  
 VAR 4 DEG E UNCR  
 AD OPR Department of Infrastructure, Planning and Environment, PO Box 2520,  
 Darwin, NT, 0801. PH 08 8924 7202. ARO 08 8975 8799.

**HANDLING SERVICES AND FACILITIES**

Borroloola Aerial Services: H24 AVGAS and JET A1 self-serve Credit Card Swipe  
 Bowser. MC, V and Borroloola Aerial Services account cards only (no cash, cheque  
 or carnet). Web: [www.basfuel.com.au/fuel-availability](http://www.basfuel.com.au/fuel-availability), mobile web:  
[www.m.basfuel.com.au/fuel-availability](http://www.m.basfuel.com.au/fuel-availability), PH: 0411 055 039 BH, Fax: 08 8127 9567,  
 email: [admin@basfuel.com.au](mailto:admin@basfuel.com.au).

**PASSENGER FACILITIES**

AC/RF/WC.

**METEOROLOGICAL INFORMATION PROVIDED**

1. METAR/SPECI.
2. AWIS PH 08 7922 2502 - Report faults to BoM.

**PHYSICAL CHARACTERISTICS**

02/20 016

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 128.5 3000FT

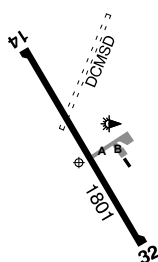
CTAF 126.7

**ADDITIONAL INFORMATION**

Bird hazard exists.

**CHARTS RELATED TO THE AERODROME**

WAC 3221.

**BOULIA****ELEV 542****AVFAX CODE 4322**

QLD 225448S 1395359E UTC +10 YBOU  
 VAR 6 DEG E CERT  
 AD OPR Boulia Shire Council, Herbert Street, Boulia, QLD, 4829.  
 PH 07 4746 3188. ARO 0427 163 773 or 0428 725 580.  
 Website: [www.boulia.qld.gov.au](http://www.boulia.qld.gov.au).

**REMARKS**

1. This AD is a Security Controlled Airport.
2. AD Charges: refer to website.

**HANDLING SERVICES AND FACILITIES**

Boulia Shire Council: H24, CTC AD OPR (2300-0700 UTC),  
 AH CTC ARO or 0427 128 212. AVGAS 24HR self-service. EFTPOS accepted.  
 JET A1 by prior arrangement - drums only, 24HR PN required. Refuelling fees  
 apply - refer to website.

**PASSENGER FACILITIES**

WC.

**PHYSICAL CHARACTERISTICS**

14/32 143 59a PCN 6 / F / A / 730 (106PSI) / U WID 30 RWS 150

**AERODROME AND APPROACH LIGHTING**

RWY 14/32 LIRL(1) AFRU+PAL 126.7 SDBY PWR AVBL

(1) 60M spacing

**OTHER LIGHTING**

Secondary PWR switchover time: Not specified.

**ATS AND AERODROME COMMUNICATION FACILITIES**

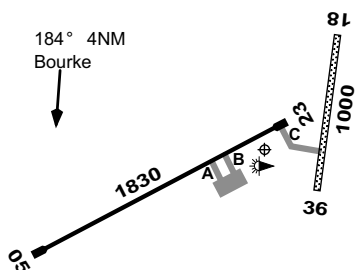
FIA BRISBANE CENTRE 122.4 FL135

**RADIO NAVIGATION AND LANDING AIDS**NDB BOU 398 225453.2S 1395425.1E Range 75 (HN 75) (1)  
(1) Pilot monitored.**CTAF - AFRU** 126.7**ADDITIONAL INFORMATION**

Significant bird hazard (kite hawks) exists.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3233.
2. Also refer to AIP Departure and Approach Procedures.

**BOURKE****ELEV 352****AVFAX CODE 2230**NSW UTC +10 YBKE  
300219S 1455707E VAR 10 DEG E CERT  
AD OPR Bourke Shire Council, PO Box 21, Bourke, NSW, 2840. PH 02 6830 8000.  
PH AH 0419 722 055.**HANDLING SERVICES AND FACILITIES**VIVA Energy Aviation: Central West Aviation Fuels. PH: 0448 821 146, Fax 02 6882 7522. H24  
AVGAS and JET A1 Card Swipe Bowsers. VIVA Fuel2Sky fuel card and credit card (V and MC).  
JET A1 underwing refuelling available by arrangement.**AERODROME OBSTACLES**

Unlit antenna 32FT AGL BRG 078 MAG 149M FM ARP. Infringes transitional SFC by 7FT.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT D, METAR/SPECI.
2. AWIS PH 02 9353 6405 - Report faults to BoM.
3. AWIS FREQ 122.875 (requires one-second pulse to activate) - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**05/23 053 60a PCN 10 /F /B /580 (84PSI) /U WID 30 RWS 150  
18/36 178 33c 5700/650 (94PSI) Yellow gravel. WID 30 RWS 90**AERODROME AND APPROACH LIGHTING**RWY 05/23 LIRL AFRU+PAL 126.7 SDBY PWR AVBL  
RWY edge light spacing: 05/23: 60M.**OTHER LIGHTING**

1. SDBY PWR switchover time: 120 SEC.
2. TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 125.35 On ground

**RADIO NAVIGATION AND LANDING AIDS**NDB BKE 389 300236.5S 1455657.6E Range 45 (HN 45) (1)  
(1) Pilot monitored.

**LOCAL TRAFFIC REGULATIONS**

ACFT except RPT ACFT, must park in light ACFT area to W of TWY and APN.

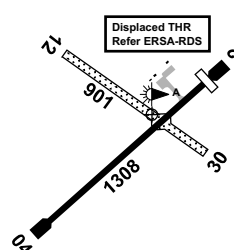
**CTAF - AFRU 126.7**

**ADDITIONAL INFORMATION**

Animal and bird hazard exists.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3356.
2. Also refer to AIP Departure and Approach Procedures.

**BOWEN****ELEV 26****AVFAX CODE 4404**

QLD

200104S

1481255E

UTC +10

VAR 8 DEG E

YBWN

CERT

AD OPR Whitsunday Regional Council, PO Box 104, Proserpine, QLD, 4800. PH 0407 672 404: 0417 762 235.

**REMARKS**

AD Charges: All ACFT.

**HANDLING SERVICES AND FACILITIES**

IOR Aviation Pty Ltd. AVGAS. Payment method via IOR Aviation tag for account holders or via the Fuelcharge APP phone 1300 457 467.

**PASSENGER FACILITIES**

LG (terminal building)/WC.

**AERODROME OBSTACLES**

1. Lit TWR:
  - a. 242FT AMSL, 2,700M NE FM ARP. Infringes inner HZS.
  - b. 267FT AMSL, BRG 046 MAG 1.38NM FM ARP.
2. Unlit terrain 673FT AMSL, 2,900M S FM ARP. Infringes COS.

**PHYSICAL CHARACTERISTICS**

04/22 040 43a PCN 8 /F /A /580 (84PSI) /U Sealed WID 21.5M  
12/30 118 30c PCN 6 /F /A /350 (51PSI) /U Gravel.

WID 18 RWS 90  
WID 23 RWS 90

**AERODROME AND APPROACH LIGHTING**

RWY 04/22 LIRL PAL 120.25

SDBY PWR AVBL

RWY 12/30 LIRL PAL 120.25

SDBY PWR AVBL

RWY edge light spacing: 04/22: 90M; 12/30: 90M.

**OTHER LIGHTING**

1. SDBY PWR switchover time: 18 SEC.
2. TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

135.5 Circuit area

**LOCAL TRAFFIC REGULATIONS**

ACFT parking AVBL only on the asphalt APN or the ADJ gravel APN.

**FLIGHT PROCEDURES**

For noise abatement avoid unnecessary movements over township.

**CTAF 126.7**

**ADDITIONAL INFORMATION**

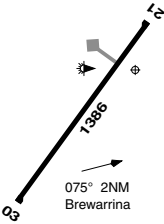
1. Agricultural OPS take place HJ WI 5NM RAD up to 500FT AGL.
2. Model ACFT operating WI the AD locality.
3. Wildlife hazards may exist. Species specific NOTAM will be raised during periods of increased activity.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3234, 3235.
2. Also refer to AIP Departure and Approach Procedures.

BREWARRINA

AVFAX CODE 2210



NSW  
295826S  
1464900E  
AD OPR Brewarrina Shire Council, PO Box 125, Brewarrina, NSW, 2839.  
PH 02 6839 2106. PH 0408 768 585: 0427 392 101 (AH contact).

UTC +10  
VAR 10 DEG E  
**AERODROME OBSTACLES**  
MIOL - TWR 745FT AMSL BRG 120DEG M/2NM FM ARP.

ELEV 414  
YBRW  
CERT

PHYSICAL CHARACTERISTICS

03/21      026   45a   PCN 16 /F /A /700 (102PSI) /T      WID 30      RWS 90

AERODROME AND APPROACH LIGHTING

RWY 03/21      LIRL(1)  
(1)      MAN activation. CTC ARO 0427 392 101.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA      MELBOURNE CENTRE      125.35 Circuit area

CTAF 126.7

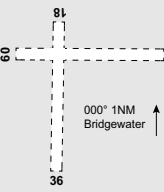
- ADDITIONAL INFORMATION
1.      Animal and bird hazard exists.

2.      Key for terminal building AVBL from Shire Office. Phone 02 6839 2106, AH 6839 2026.

- CHARTS RELATED TO THE AERODROME
1.      WAC 3356.

2.      Also refer to AIP Departure and Approach Procedures.

BRIDGEWATER



VIC  
363700S  
1435700E  
AD OPR Intrepid Aviation, Fantasy Road, Bridgewater, VIC, 3516.  
Email: info@ybgr.com.au. PH 0418 225 253.

UTC +10  
VAR 11 DEG E  
**REMARKS**  
PPR CTC AD OPR.  
**HANDLING SERVICES AND FACILITIES**  
AVGAS AVBL, CTC AD OPR.

ELEV 500  
YBGR  
UNCR

ATS AND AERODROME COMMUNICATION FACILITIES

FIA      MELBOURNE CENTRE      126.8 Circuit area

CTAF - AFRU 119.3

CHARTS RELATED TO THE AERODROME

WAC 3469.

**BRISBANE****ELEV 15****AVFAX CODE 4001**

QLD

272303S

1530703E

UTC +10

YBBN

VAR 11 DEG E

CERT

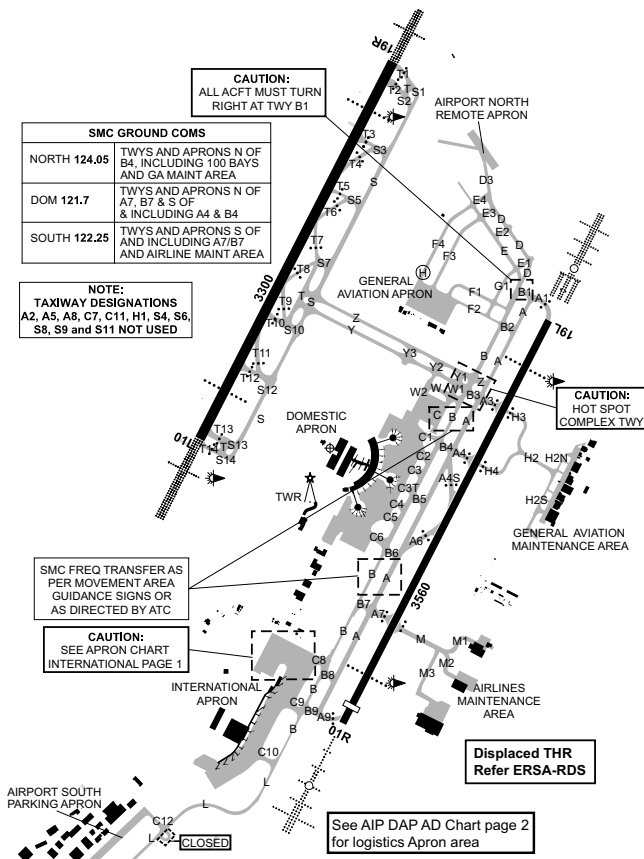
AD OPR Brisbane Airport Corporation Pty Ltd, PO Box 61, Hamilton Central, QLD, 4007.

Email: adm@bne.com.au: INTL OPS intops@bne.com.au: DOM and GA OPS

domops@bne.com.au. PH H24 07 3406 3171: 0435 271 993. OPS (Safety/Security):

H24 07 3406 3072: Fax 07 3406 3116. PH BH Executive General Manager Aviation

OPS: 07 3406 3000, Fax 07 3406 3101. Website: www.bne.com.au.

**REMARKS**

- AD Charges: All ACFT - Phone 07 3406 3000 during BH.
- This AD is a Security Controlled Airport.
- ACFT transporting dangerous goods or livestock require 4 days notice and prior approval.

**HANDLING SERVICES AND FACILITIES**

BP - Air Refuel Pty Ltd: H24. PH: 07 3860 5996 or 07 3860 5988, 0418 718 238. JET A1.

Ampol Aviation: H24. PH: 0438 753 572. JET A1.

Viva Energy Refuelling (or Aviation) – Jet Valet and GA: H24. PH: 1300 847 538. JET A1 and

AVGAS. Fuel2Sky (Carnet) Card and credit cards (V and MC).

Contact details for FBO, catering, ground handlers, maintenance and other associated services are available from Brisbane Airport web address:

<https://www.bne.com.au/corporate/work-at-bne/aviation-service-providers>

RESCUE AND FIREFIGHTING SERVICES

- 1. CAT 9 H24
- 2. 131.0 MHz AVBL H24. Request via ATC.
- 3. Water Rescue Service AVBL H24.

APRONS AND TAXIWAYS

Taxilane FM Logistic APN to Brenzil Hangar and FBO rated: PCN 34/F/D/1520/T. No ACFT parking or taxiing outside licence area.

AERODROME OBSTACLES

- 1. Lit building 899FT AMSL BRG 210 DEG MAG 7.1NM FM ARP. Infringes outer HZS by 399FT.
- 2. Lit high voltage pylon, 92FT AGL BRG 342 MAG 567M FM RWY 01L THR. Infringes TNS by 12FT.
- 3. Cruise vessels MAX 241FT AMSL. PSN BTN BRG 071 DEG MAG 2.2NM FM ARP and BRG 085 DEG MAG 2NM FM ARP. Infringes inner HZS by MAX 85FT.
- 4. Buildings and cranes BRG/DIST FM VOR
  - a. Lit 354FT BRG 082 DEG MAG 3,480M 198FT ABV inner HZS.
  - b. Lit 354FT BRG 097 DEG MAG 3,110M 198FT ABV inner HZS.
  - c. Lit 210FT BRG 168 DEG MAG 2.84NM 54FT ABV inner HZS.
  - d. Lit 355FT BRG 074 DEG MAG 3,600M 199FT ABV inner HZS.
  - e. Lit 838FT BRG 212 DEG MAG 8.5NM 338FT ABV outer HZS.
  - f. Lit 716FT BRG 214 DEG MAG 8.3NM 216FT ABV outer HZS.
  - g. Lit 576FT BRG 214 DEG MAG 8.8NM 76FT ABV outer HZS.
  - h. Lit 540FT BRG 215 DEG MAG 8.8NM 40FT ABV outer HZS.
  - i. 872FT BRG 215 DEG MAG 8.84NM. Infringes outer horizontal SFC by 372FT.
  - j. Lit 822FT BRG 214 DEG MAG 8NM 322FT ABV outer HZS.
  - k. Lit 355FT AMSL PSN BTN 065 DEG MAG 2.3NM and 106 DEG MAG 1.6NM. Infringes HZS by 199FT.

METEOROLOGICAL INFORMATION PROVIDED

- 1. TAF CAT A, METAR/SPECI, TAF3 H24, AD WRNG, WS WRNG.
- 2. MET INFO AVBL FM Airservices Pilot Briefing. Elaborative briefing FM MWO 07 3239 8737.
- 3. AWIS PH 07 3564 3705 - Report faults to BoM.

PHYSICAL CHARACTERISTICS

|         |     |      |                                                                                                 |        |         |
|---------|-----|------|-------------------------------------------------------------------------------------------------|--------|---------|
| 01L/19R | 016 | 108a | PCN 124 /F /D /1750 (254PSI) /T 220M(722) RWY 01L and 300M(984) RWY 19R ends concrete. Grooved. | WID 60 | RWS 300 |
| 01R/19L | 016 | 117a | PCN 124 /F /D /1750 (254PSI) /T 100M(328) ends concrete. Grooved.                               | WID 45 | RWS 300 |

AERODROME AND APPROACH LIGHTING

|             |              |             |               |
|-------------|--------------|-------------|---------------|
| RWY 01L/19R | HIAL-CAT I   |             | SDBY PWR AVBL |
| RWY 01L/19R | HIRL         |             | SDBY PWR AVBL |
| RWY 01L/19R | PAPI(2)      | 3.0 DEG71FT | SDBY PWR AVBL |
| RWY 01L/19R | RCLL(1)      |             | SDBY PWR AVBL |
| RWY 01R/19L | HIRL         |             | SDBY PWR AVBL |
| RWY 01R/19L | MIRL         |             | SDBY PWR AVBL |
| RWY 01R/19L | PAPI(2)      | 3.0 DEG64FT | SDBY PWR AVBL |
| RWY 01R/19L | RCLL(1)      |             | SDBY PWR AVBL |
| RWY 01R     | HIAL-CAT I   |             | SDBY PWR AVBL |
| RWY 01R     | RTIL         |             | SDBY PWR AVBL |
| RWY 19L     | HIAL-CAT II  |             | SDBY PWR AVBL |
| RWY 19L     | RTZL         |             | SDBY PWR AVBL |
| (1)         | 15M spacing. |             |               |
| (2)         | Both sides.  |             |               |

1. ALS type and length

- a. RWY 01R - distance coded CL: 900M.
- b. RWY 19L - distance coded CL: 900M.
- c. RWY 01L/19R - HIAL ALSF II reduced length 720M layout barrette CL array.

2. RWY edge light spacing: 01R/19L: 60M; 01L/19R: 60M;
3. RGL and Stop Bars at all RWY/TWY intersections.
4. RWY THR LGT: Green.
5. RWY end LGT: Red.
6. RWY 01R/19L and 01L/19R PAPI system provides a special minimum wheel clearance of 6M for B747.
7. **LIGHTING COLOUR CODING**
- 7.1. **RWY 01L and 19R**
- 7.1.1. HIRL - white with last 600M yellow.
- 7.1.2. Centre line lighting
  - a. White to 900M FM end, 900M-300M FM end alternating 2 red 2 white, 300M FM end red.
- 7.2. **RWY 01R and 19L**
- 7.2.1. MIRL – intensity white.
- 7.2.2. HIRL - white with last 600M yellow.
- 7.2.3. Centre line lighting
  - a. White to 900M FM end, 900M-300M FM end alternating 2 red 2 white, 300M FM end red.

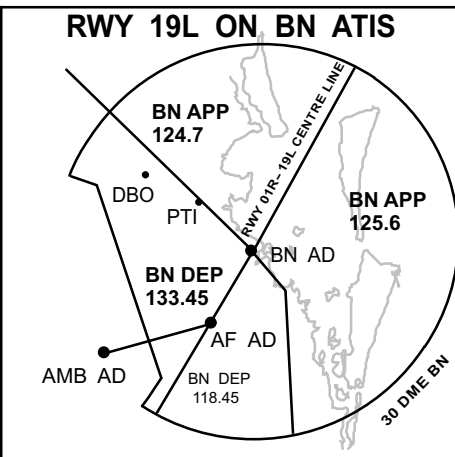
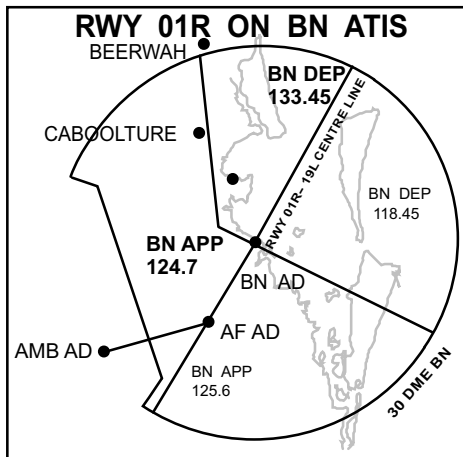
## OTHER LIGHTING

ABN ALTN 8 WG

1. Secondary PWR switchover time: 1 SEC during LVP; 15 SEC OT.
2. TWY LGT: Green CL.

## ATS AND AERODROME COMMUNICATION FACILITIES

- |         |                      |                                 |
|---------|----------------------|---------------------------------|
| FIA     | BRISBANE CENTRE      | 121.2                           |
| FIA     | BRISBANE CENTRE      | 125.7 (5)                       |
| ACD     | BRISBANE DELIVERY    | 118.85                          |
| APP     | BRISBANE APPROACH    | 124.7 (4) 125.6 (3)             |
| APP/DEP | BRISBANE APPROACH    | 123.5 (2)                       |
| ATIS    | BRISBANE ATIS        | 113.2 125.5                     |
| BMN     | BRISBANE FINALS      | 119.25                          |
| DEP     | BRISBANE DEPARTURES  | 118.45 (3) 133.45 (4)           |
| SMC     | BRISBANE GROUND (11) | 121.7 (6) 122.25 (7) 124.05 (8) |
| TWR     | BRISBANE TOWER       | 118.0 (10) 120.5 (9)            |
| VOLMET  | AUSTRALIA            | 6676 (1) 11387 (1)              |
- (1) H24, BCST 00 - 05 & 30 - 35. Refer AIP GEN 3.5.
  - (2) Gold Coast Approach Services.
  - (3) WI 30NM of Brisbane SE of extended centreline 01R/19L.
  - (4) WI 30NM of Brisbane NW of extended centreline 01R/19L.
  - (5) Pilots planning to enter Class C airspace associated with Brisbane Approach, contact Brisbane Centre for SSR Code allocation and other instructions. Refer also to Brisbane/Archerfield Section 6 Departures, Para 6.2.
  - (6) SMC Domestic TWYs and aprons North of B7 and General Aviation Maintenance Area.
  - (7) SMC South TWYs and aprons south of and including A7, B7 and Airline Maintenance Area.
  - (8) SMC North TWYs north and west of and including A3, B3, W, TWY Charlie and 100 bays, General Aviation Maintenance Aprons.
  - (9) RWY 01R/19L.
  - (10) RWY 01L/19R.
  - (11) Unless otherwise directed by ATC, contact the relevant SMC FREQ when indicated by FREQ movement area guidance signs.



### RADIO NAVIGATION AND LANDING AIDS

|     |                                                                                                                              |                     |           |            |     |
|-----|------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------|------------|-----|
| DME | BN                                                                                                                           | 113.2/ 79X          | 272157.5S | 1530821.4E | (3) |
| VOR | BN                                                                                                                           | 113.2               | 272157.9S | 1530821.2E | (1) |
| DME | IBA                                                                                                                          | 109.5/ 32X (RWY01R) | 272403.2S | 1530716.0E | (6) |
| GP  | IBA                                                                                                                          | 332.6 (RWY01R)      | 272403.1S | 1530715.8E |     |
| ILS | IBA                                                                                                                          | 109.5 (RWY01R)      | 272212.6S | 1530812.8E | (5) |
| LOC | IBA                                                                                                                          | 109.5 (RWY01R)      | 272212.6S | 1530812.8E |     |
| DME | IBE                                                                                                                          | 109.3/ 30X (RWY19R) | 272130.8S | 1530709.7E | (7) |
| GP  | IBE                                                                                                                          | 332 (RWY19R)        | 272130.9S | 1530709.9E |     |
| ILS | IBE                                                                                                                          | 109.3 (RWY19R)      | 272308.0S | 1530619.4E |     |
| LOC | IBE                                                                                                                          | 109.3 (RWY19R)      | 272308.0S | 1530619.4E |     |
| DME | IBN                                                                                                                          | 111.5/ 52X (RWY01L) | 272248.0S | 1530625.5E | (7) |
| GP  | IBN                                                                                                                          | 332.9 (RWY01L)      | 272248.1S | 1530625.7E |     |
| ILS | IBN                                                                                                                          | 111.5 (RWY01L)      | 272115.2S | 1530723.9E |     |
| LOC | IBN                                                                                                                          | 111.5 (RWY01L)      | 272115.2S | 1530723.9E |     |
| DME | IBS                                                                                                                          | 110.1/ 38X (RWY19L) | 272240.2S | 1530803.5E | (2) |
| GP  | IBS                                                                                                                          | 334.4 (RWY19L)      | 272240.1S | 1530803.3E |     |
| ILS | IBS                                                                                                                          | 110.1 (RWY19L)      | 272427.1S | 1530655.9E |     |
| LOC | IBS                                                                                                                          | 110.1 (RWY19L)      | 272427.1S | 1530655.9E | (4) |
| (1) | 216/1.6 to ARP.                                                                                                              |                     |           |            |     |
| (2) | For RWY 19L - Antenna ELEV 21FT.                                                                                             |                     |           |            |     |
| (3) | 217/1.6 to ARP - Antenna ELEV 35FT.                                                                                          |                     |           |            |     |
| (4) | Scalloping and possible false course capture observed beyond 9NM (BN DME) between radials 330 to 350 (BN VOR) below 4,000FT. |                     |           |            |     |
| (5) | Antenna ELEV 28FT                                                                                                            |                     |           |            |     |
| (6) | Antenna ELEV 23FT.                                                                                                           |                     |           |            |     |
| (7) | Antenna ELEV 24FT.                                                                                                           |                     |           |            |     |

### LOCAL TRAFFIC REGULATIONS

- Pilots should ensure flight plan details are submitted for flight in Class C airspace associated with Brisbane Approach, preferably through NAIPS or Flight Watch, well in advance of requesting SSR code allocation. Failure to do so will result in delays for airways clearance.
- ACFT parking requests email or PH AD OPR H24.
- All aircraft must provide their parked position/gate number to ATC on acknowledgement of airways clearance.
- B737 ACFT and ABV not to execute 180DEG turns on RWY 01R/19L and 01L/19R.
- Ground running of engines above idle requires prior approval. PH OPS.
- Drains located airside (ADJ the manoeuvring area) are not marked.



7. GA APN OPS are subject to RWY/APN slot management. ACFT operating on the GA APN are to confirm allocated parking with Brisbane Airport Corporation Duty Manager prior to arrival.
8. Stop Bar Microwave Barrier Devices, Southwest Microwave Model 316-33457 and support posts are installed at all RWY/TWY intersections inside the obstacle restricted area.
9. RVR equipment - Vaisala LT31 transmissometers and support posts installed at all RWY touchdown zones and midpoints inside the obstacle restricted area.
10. **AWK and Survey Flights**
  - a. Pilots intending to conduct AWK in the Brisbane TMA must obtain pre-flight briefing and approval from Brisbane TMA, Phone 07 3866 3694<sup>^</sup>. Survey or airwork maps should be submitted at least 30 MIN prior to making contact with BN TMA.
  - b. Survey flights are subject to TFC and ATC workload with operations subject to approval on the day. Operational restrictions can be expected, including possible delays.
  - c. Clearances for AWK/SVY operations BLW 8,000FT in excess of 15MIN may not be AVBL.
11. **APN and TWY Availability and Restrictions**
  - a. All TWY: Outboard engines on B747 and A340 ACFT to be operated at low power to prevent TWS erosion and engine ingestion.
  - b. All ACFT must turn right at BRAVO 1
  - c. B777-300, A340-600 and A380-800 OPS: TWY associated with RWY 01R/19L are 23M wide (AD REF code 4E). Due excessive ACFT wheelbase, normal TWY safety edge margin not AVBL. Pilots should apply judgemental oversteer when negotiating TWY intersections at B/C9, B/C10 and on INTL APN. Pilots should request marshalling assistance from a FBO if ACFT GND manoeuvring cameras are not AVBL.
  - d. A380 (Code F ACFT) OPS using INTL APN to use TWY C9 and TWY C8 only to INTL APN A380 compatible Bays 71, 72, 73, 74, 75, 76. TWY C10 and INTL APN taxilane not AVBL to A380 (Code F ACFT) OPS.
  - e. Turns from TWY L onto TWY C13 and TWY C13 onto TWY L, HJ under tow only due to reduced fillet pavement.
  - f. Pilots to exercise caution on TWY C12 and L due to lack of visibility FM the control TWR.
  - g. TWY C3 Tango and APN Taxilane BTN TWY C3 and TWY C4 restricted to ACFT with MAX wingspan 36M.
  - h. GA APN southern taxilane restricted to 24M MAX wingspan.
  - i. TWY C4 restricted to MAX A330 ACFT.
  - j. TWY C6 restricted to ACFT with MAX wingspan 36M.
  - k. TWY F3 not AVBL.
  - l. TWY H2 not AVBL to ACFT ABV FLW MAX WT limitations:
    - (i) A330 - 144,000KG
    - (ii) B777 - 197,000KG
  - m. TWY H2N, TWY H2S and TWY M east of the perimeter road designated as APN, are provided for combined ACFT and vehicle TFC FM maintenance hangars. Vehicle TFC under own observation remaining well clear of all taxiing ACFT.
  - n. TWY H3 restricted to MAX B777-300ER ACFT (Code E ACFT).
  - o. TWY H4 restricted to MAX B737/A320 ACFT (Code C ACFT) AVBL for DH8D.
  - p. TWY M not AVBL to ACFT ABV FLW MAX weight limitations:
    - (i) A330 154,344KG
    - (ii) A340 260,063KG
    - (iii) A350 182,000KG
    - (iv) A380 321,002KG
    - (v) B737 79,000KG
    - (vi) B747 335,640KG
    - (vii) B767 141,925KG
    - (viii) B777 182,242KG
    - (ix) B787 162,000KG
  - q. ACFT to use MNM power when entering, exiting and operating on all APN.
  - r. All ACFT vacating INTL apron RQ continuous taxi on TWY C9 and TWY C10 using MNM PWR.

- s. Aircraft vacating RWY 19R onto TWY T7 are to continue south on TWY T unless otherwise instructed by ATC.
- t. TWY A is designed to be used in the same direction as the duty RWY. TWY B is for use in the opposite direction unless otherwise instructed by ATC.
- u. When RWY 19L is nominated, TWY A4 is not AVBL for arriving ACFT unless directed by ATC.
- v. TWY Y is to be used in a westerly direction and TWY Z is to be used in a easterly direction unless otherwise instructed by ATC
- w. TWY D BTN TWY B and TWY E1 not AVBL.
- x. TWY E BTN TWY E1 and TWY D not AVBL.
- y. TWY E4 not AVBL.
- z. TWY F4 not AVBL EXC for HJ access to HLS.
- A. TWY F1 and TWY F2 not AVBL to ACFT ABV 66,000KG.
- B. Following TWY not AVBL HN due to parked ACFT and AVBL HJ under tow only:
  - (i) TWY G1 BTN TWY E and TWY F1.
  - (ii) TWY D BTN TWY E4 and TWY E1.
  - (iii) TWY E BTN TWY E4 and TWY E1.
  - (iv) TWY E1, TWY E2, TWY E3 and TWY F3.
- C. TWY C13 restricted to ACFT with MAX wingspan 36M under tow only.
- D. TWY J and Logistics APN not AVBL to jet ACFT with wingspan ABV 36M EXC under tow, initiate tow by TWY L intermediate holding point prior to TWY C13.
- E. TWY L BTN TWY C13 and TWY C12 not AVBL to jet ACFT with wingspan ABV 36M northbound EXC under tow.
- F. Airport South Parking Apron BTN TWY C12 and TWY C13 restricted to MAX wingspan 36M HJ under tow only due parked ACFT.
- G. Airport South Parking Apron restricted to MAX Code C ACFT (B737, Q400 and A320) AVBL HJ under tow only.
- H. Turn around loop AVBL for ACFT up to MAX wingspan 36M on Logistic APN.
- I. Airport North Remote Apron and Airport South Parking Apron do not form part of the manoeuvring area, ATC clearance is not required.
- J. Compass swing site established BTN TWY M1 and TWY M2, details FM AD OPR.

## 12. **HEL OPS**

- a. Rotary wing ACFT using GA APN CAUTION multiple LGT TWR 100FT AGL on and surrounding GA APN.
- b. HEL OPS excluding maintenance and rescue activities on TWY H system, to be conducted on the GA APN or Logistics precinct building APN.
- c. HEL touch down/lift on TWY F4 and PRKG area on GA APN commissioned.

## 13. **TRAINING FLIGHTS**

- a. Jet and turboprop training and flight test operations not requiring RWY or IAL procedures shall be flight planned in either:
  - (i) Low Performance Area (LPA) - within the minor arc BTN 030 and 100 VOR BTN 15 and 30 DME; or
  - (ii) High Performance Area (HPA) - within Class C and Class A airspace within the minor arc BTN 040 and 090 VOR BTN 40 and 100 DME BN.
- b. Arriving ACFT may request an IAL for training or licence renewal. The request should be made as early as possible, preferably at flight planning.
- c. IAL training LTD due to TFC. IAL training not AVBL MON-FRI. IAL training AVBL SAT 0300-0800 UTC and SUN 2300-0200. For other than arriving ACFT, IAL training approval shall be obtained from Brisbane TMA, Phone 07 3866 3694^ prior to departure. IAL training flights are subject to TFC and ATC workload, operational restrictions can be expected, including possible delays.
- d. Aircraft conducting a practice instrument approach can expect to make a landing due to traffic management requirements. TWR will advise if traffic disposition allows for a missed approach.

**14. TURNING**

- a. TWY S - no right turn into TWY S2 or S5.
- b. TWY S2 - no left turn into TWY S
- c. TWY S2 - no right turn into TWY T, HN.
- d. TWY S5 - no left turn into TWY S.
- e. TWY S7 - no entry FM TWY S.
- f. TWY S13 - no right turn into TWY S.
- g. TWY S13 - no left turn into TWY T, HN.
- h. TWY T - no entry FM TWY S7, T8 and T9.
- i. TWY T BTN Z and TWY S7 not AVBL northbound TFC.
- j. TWY T5 and T10 not AVBL to ACFT exiting RWY 01L/19R.
- k. TWY T14 not AVBL to ACFT exiting RWY 19R.
- l. Entry onto rapid exit taxiways FM other than the RWY not permitted.
- m. TWY T2 - no left turn into TWY T.
- n. TWY H3 - no through access to TWY H4.
- o. TWY H4 - no through access to TWY H3.

**FLIGHT PROCEDURES****1. ESTIMATED AIRBORNE TRAFFIC DELAYS****1.1. For ARR ACFT:**

- a. May be expected due to terminal area traffic density and/or single RWY operations:
  - (i) MON-FRI 2100-0000 UTC and 0600-1100 UTC: Less than 20MIN
  - (ii) SAT 2100-0000 UTC: 20MIN
  - (iii) SUN 0600-1100 UTC: 20MIN
  - (iv) DLY 0000-0600 UTC: 10MIN.

*Note: Actual holding times may differ from holding estimates. Historical data on actual holding is available from the NOMC.*

**2. ATC TRAFFIC MANAGEMENT SPEED**

When **not** on a SID or STAR (including vectoring) - ACFT ARR or DEP BN must not exceed 250KT IAS when BLW 10,000FT AMSL. Advise ATC if a higher speed is operationally required.

**3. VFR ACFT DEP YBBN must FPL via either MBHB, TVT or BLHS.****4. Circling APCH PROC to RWY 01L/19R at night is not permitted, MIRL NOT AVBL.****5. AIR TRAFFIC FLOW MANAGEMENT PROCEDURES****5.1 Strategic ATFM - Runway Demand Management Scheme (RDMS)**

Brisbane RDMS is applicable to all airline and ACFT operators using Brisbane airport. All flights operating into and out of Brisbane must obtain an Airport Coordination Australia (ACA) slot in accordance with *AIP ENR 1.9*.

GA APN operations are subject to RWY/APN slot management. Approved slot holders operating on the GA APN are to confirm allocated parking with BAC Duty Manager prior to arrival.

For full information regarding the Brisbane RDMS see BAC website:

[www.airportcoordination.org/airports/australia/brisbane-airport/](http://www.airportcoordination.org/airports/australia/brisbane-airport/).

**5.2 Ground Delay Program (GDP)**

Brisbane GDP is run on demand and promulgated by NOTAM BTN 2000-1300 UTC. GDP is applicable to all fixed wing, non-priority flights departing FM all Australian domestic airports, and arriving at Brisbane.

Flights to Brisbane during the operation of GDP must obtain an ACA slot and Calculated Off Blocks Time (COBT) in accordance with *AIP ENR 1.9*. The COBT can be obtained through their company or the NOMC on 1800 020 626^.

**5.3. Flow Tactical Landing Slots**

Flights inbound to Brisbane with a duration of less than 45MIN must:

- a. Validate their COBT with Brisbane Flow on 07 3866 3588 during HR of GDP; or
- b. Confirm a tactical landing slot with Brisbane Flow on 07 3866 3588 outside periods of GDP. Failure to do so will result in delays.

Flights departing YBAF, YBCG and YBSU for a landing at YBBN must CTC Brisbane Flow Controller on 07 3866 3588 prior to engine start.

For full information regarding the Ground Delay Program see *AIP ENR 1.9*.

**6. INDEPENDENT PARALLEL APPROACH OPERATIONS****6.1. Refer to DAP EAST Brisbane Independent Parallel Approach User Instructions.**

**7. ARRIVAL PROCEDURES**

By day, ATC may use 2,400M RWY separation between ACFT arriving to RWY 01R/19L. Both ACFT may occupy the RWY during application of the standard.

**8. DEPARTURES**

- 8.1. Departures shall normally be cleared in the order in which they are ready for takeoff, except that deviations may be made from this order to facilitate the maximum number of departures with the least average delay.

**9. PARALLEL OPERATIONS RUNWAY ASSIGNMENT**

Unless instructed by ATC or operationally required, ACFT shall be issued the following runways:

**9.1. Departures**

- a. RWY 01L/19R for all jet ACFT routes north, and
- b. RWY 01R/19R for all jet ACFT routes west, and
- c. RWY 01R/19L for all jet ACFT routes to south and east.

**9.2. Arrivals**

- a. RWY 01L/19R for all aircraft from routes north and west, and
- b. RWY 01R/19L for all aircraft from routes south and east.

**9.3. Aircraft arriving via ENLIP**

- a. RWY 01L/19L for all aircraft arriving via ENLIP STAR

*Note 1: ACFT which operationally require a different runway from that assigned, must advise ATC at clearance delivery stage.*

*Note 2: RWY assignment is subject to Noise Abatement Procedures.*

**10. LOW VISIBILITY****10.1. Operations**

- a. For CASA approved operators, RWY 01R/19L and 01L/19R are capable of supporting take-offs with an RVR of not less than 350M.
- b. TWY LGT spacing supports use in visibility not less than:
  - (i) 550M RVR for TWY C12, C13, F1, J, L and P.
  - (ii) 350M RVR for all other TWY.
- c. Refer to *AIP DAP* for Aerodrome Ground Movement Charts.

**10.2. Procedures**

- a. LVP require restrictive measures during specific weather conditions. LVP protects the ILS sensitive and critical areas and ensures safe ground movements and the safety of ACFT conducting low VIS OPS.
- b. Preparations for the activation of LVP are commenced when visibility has reduced to 1,500M. This ensures that the LVP are in forced when:
  - (i) the cloud ceiling is 210FT or less; or
  - (ii) the RVR is at or below 550M or the Runway Visibility (RV) is 800M or less when RVR is not available.
- c. Intersection departures are not permitted. All aircraft will be directed to the full length of a runway for departure.
- d. Any pilot unsure of their position whilst operating on the Manoeuvring Area must Hold Position (STOP) and immediately advise ATC.
- e. Radio failure – Aircraft must hold position and await further guidance from a 'follow me' vehicle.
- f. Instrument RVR is provided at touchdown zone, midpoint zone and end zone for each RWY.
- g. In the event of failure of RVR, manual RWY visibility assessments will be provided.
- h. ATC use an Advanced Surface Movement Guidance Control System (ASMGCS) to monitor ACFT and vehicles on the Manoeuvring Area.
- i. If ASMGCS is unserviceable during LVP, ATC will restrict aircraft and vehicle access to the Manoeuvring Area.
- j. Aircraft are limited to one movement at a time on any portion of the Manoeuvring Area unless stop bars are operational.

11. All TWY are suitable for use in conditions of greater than RVR 550M

**NOISE ABATEMENT PROCEDURES**

Refer *AIP DAP*.

## ADDITIONAL INFORMATION

1. Part of DCMSD Eagle Farm AD repainted in yellow, now Airport South Parking APN.
2. DCMSD cross runway north of GA Apron now utilised as parking only.
3. Significant bird hazard exists.
  - a. Nankeen Kestrel (birds of prey), peak activity on airfield expected March-July.
  - b. Australian White Ibis flocking on airfield HJ, increased numbers expected February-June.
  - c. Straw necked ibis present on airfield HJ, increased numbers expected July-October.
  - d. Flying fox HN only.
  - e. Cattle egret present on airfield HJ, increased numbers expected November-March.
  - f. Increased pelican and cormorant in VCY of AD.
  - g. White bellied sea eagle activity on airfield HJ.
4. Significant mud wasp ACT WI AD VCY affecting pitot tubes. Pitot tube covers recommended.
5. Fuel/Oil clean-up/disposal are chargeable and must meet Governmental Environmental standards.
6. Due to local effects from structural and topographical features the ground winds advised on the ATIS may vary to the wind aloft. Where there is a significant variation reported in these winds, ATC will advise a reported 500FT wind in addition to the aerodrome wind.
7. Weather balloon launch APRX 2315 and 1115 UTC. Launches may occur at other times.

## CHARTS RELATED TO THE AERODROME

1. WAC 3340.
2. Aerodrome Obstruction Chart Type A Chart: RWY 01R/19L - 22nd Edition (FEB 2024).
3. Aerodrome Obstruction Chart Type A Chart: RWY 01L/19R - 7th Edition (FEB 2024).
4. Also refer to AIP Departure and Approach Procedures.

## BRISBANE WEST WELLCAMP

**ELEV 1509**

### AVFAX CODE 4013

QLD

273331S

1514739E

UTC +10

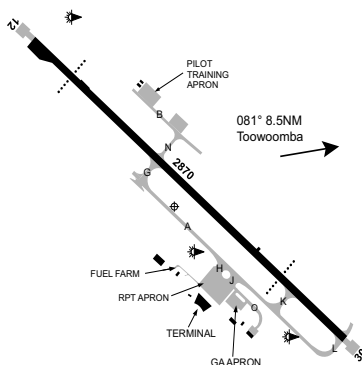
VAR 11 DEG E

YBWW

CERT

AD OPR Brisbane West Wellcamp Airport Pty Ltd, 1511 Toowoomba-Cecil Plains Road, Wellcamp, QLD, 4350. Email: [admin@wellcampairport.com.au](mailto:admin@wellcampairport.com.au). PH BH 07 4614 3200. PH AH 0498 998 060.

Website: [www.wellcamp.com.au](http://www.wellcamp.com.au).



## REMARKS

1. AD charges: All ACFT. Schedule of Charges AVBL on website.
2. YBWW is a Security Controlled Airport. ASIC/VIC regulations apply.
3. The Main APN is a Security Restricted Area and is shared BTN RPT and non-RPT OPS. For assistance with PRKG and access to the terminal for unscreened PAX and crew, CTC ARO on CTAF 127.65 or PH.
4. PAX and checked bag screening in operation at the PAX terminal.

5. For ACFT arriving with unscreened PAX/baggage and wishing to use the Main APN and/or terminal, special security requirements apply. Please CTC ARO on CTAF to notify of arrival and requirements.
6. All ACFT are required to be secured if left unattended.
7. Crew wishing to access the Main APN from landside should CTC ARO.
8. Access to the Main APN for unscreened passenger and crew can be arranged by contacting the ARO.
9. AD usage: combination of private and public.

HANDLING SERVICES AND FACILITIES

Wellcamp Airport Fuel Services. JET A1 and AVGAS available between 1830-1230 UTC, AH fuel requirements CTC ARO. 60MIN PN required. Call out fee applies. Cash or credit card (V or MC). Where practicable, text fuel order in advance to ARO. Refer to Location Briefings/NOTAM for any applicable temporary changes to the above.

Wellcamp Airport Ground Handling Services AVBL. Please CTC AD Management 07 4614 3200 or ARO for assistance.

PASSENGER FACILITIES

PT/TX/LG/RF/WC/HC

APRONS AND TAXIWAYS

1. TWY A - Code E, sealed, 23M wide.
2. TWY G, K and L - Code E, sealed, 23M wide.
3. TWY J - Code E, concrete, 23M wide.
4. TWY H - Code E, concrete, 23M wide.
5. TWY B and N – Code C, concrete, 15M wide.
6. TWY O - Code B, sealed, 10.5M wide.

AERODROME OBSTACLES

1. Terrain:

a. Boral Quarry - BRG 062 MAG 1.28NM FM ARP, low intensity steady red.

b. Gowrie Mountain - BRG 027 MAG 3.15NM FM ARP, low intensity steady red.

c. Beckers Hill - BRG 090 MAG 1.61NM FM ARP, low intensity steady red.

d. Schmidts Hill - BRG 230 MAG 2.32NM FM ARP, low intensity steady red.

e. Sugarloaf Hill - BRG 123 MAG 3.30NM FM ARP, unlit.
2. High terrain:

a. APRX 800M right of CL, 800M FM THR on APCH to RWY 30.

b. APRX 1,300M right of RWY 30 CL abeam APRX 600M FM RWY 30 end.
3. Structures:

a. NBN Monopole - BRG 067 MAG 2.77NM FM ARP, low intensity steady red.

b. Telstra Tower - BRG 116 MAG 7NM FM ARP, medium intensity steady red.

c. Telstra Monopole lit - 86FT AGL BRG 058 MAG 0.65NM FM ARP. Infringes OLS by 59FT.

d. AD perimeter fence post 11FT AGL BRG 110 MAG 0.87NM FM ARP. Infringes OLS by 3.5FT.
4. CAUTION: Power lines beneath APCH to RWY 12. APRX 250M FM THR.

METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT A, METAR/SPECI.
2. AWIS PH 07 3564 3746 - Report faults to BoM.
3. AWIS FREQ 133.6 - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

12/30                    122   94a   PCN 64 /F /B /1450 (210PSI) /T Grooved                    WID 45            RWS 300

AERODROME AND APPROACH LIGHTING

|           |         |               |             |               |
|-----------|---------|---------------|-------------|---------------|
| RWY 12/30 | MIRL(1) | PAL+AA 120.65 |             | SDBY PWR AVBL |
| RWY 12/30 | PAPI(2) | PAL+AA 120.65 | 3.0 DEG75FT | SDBY PWR AVBL |
| RWY 12/30 | RTIL(1) | PAL+AA 120.65 |             | SDBY PWR AVBL |

(1) ACT by PAL H24. SDBY PWR H24.

(2) ACT by PAL H24. SDBY PWR H24. Double sided.

RWY edge light spacing: 60M.

**OTHER LIGHTING**

1. Secondary PWR switchover time: 15 SEC.
2. TWY LGT: Green CL to all TWY, Blue on RPT APN.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 121.2 500FT

On ground communications may be AVBL with ATS dependent on ACFT location and terrain or building shielding. FREQ 135.6 may be tried for cancellation of SAR.

**LOCAL TRAFFIC REGULATIONS**

1. For DEP RWY 12, ACFT RQ to backtrack from either TWY K, TWY G, or TWY L.
2. AD is in close proximity to Oakey (YBOK) MIL controlled airspace and restricted areas. YBOK BRG 323 MAG 9.5NM FM ARP. To ensure protection of Oakey controlled airspace, published DEP procedures must be used wherever practicable.

**FLIGHT PROCEDURES**

1. Right hand CCTS RWY 12, left hand CCTS RWY 30 due high terrain NE side of RWY.
2. Clearance through R654A may not be available on the YTWB/BIVAT-MESD-Q484 or Q303 routes. VFR clearances AVBL via the Warrego VFR route.
3. VFR transits of OK CTR via WARREGO VFR route.

**CTAF - AFRU 127.65**

1. Oakey, Toowoomba and Wellcamp.
2. Excluding Oakey controlled airspace when active.

**NOISE ABATEMENT PROCEDURES**

1. During HR of 1900-1200 UTC RWY 12 preferred for LDG and RWY 30 preferred for TKOF.
2. Where practicable, during the HR of 1200-1900 UTC, RWY 12 must be used for LDG and RWY 30 must be used for TKOF.
3. Where practicable, minimise night movements (BTN 1200-1900 UTC), with preference to operation in day period (sunrise to sunset).
4. Where practicable, BTN 1200-1900 UTC, avoid use of reverse thrust after LDG.
5. Where practicable, minimise use of APUs while parked on the RPT APN. Where feasible, use rectifier or GPU.
6. Where practicable, avoid noise sensitive areas as follows:  
Toowoomba city ARC BRG 063 MAG to 103 MAG 4 to 11NM FM ARP.  
Westbrook township BRG 114 MAG 4.9NM FM ARP.  
Wyreema township BRG 139 MAG 6.8NM FM ARP.  
Agricultural area BRG 291 MAG 1.54 NM FM ARP.  
Agricultural area BRG 317 MAG 1.65 NM FM ARP.
7. After TKOF RWY 30, climb on RWY heading to MAX practicable altitude before turning to establish outbound track.

**ADDITIONAL INFORMATION**

1. Bird and wildlife hazards exists:  
Magpies, galahs, ibis and black kites in vicinity of AD. Increased bird activity at harvest time - OCT-NOV and MAR-APR.  
Rabbits, hares, foxes or feral cats may be on airfield.  
NOTAM will be issued for increased activities.
2. Pilots are advised to check YBWW website for additional general INFO.
3. Poor VHF CTC with GND vehicles and ACFT is present from TWY A/L/K (SE side of airport) towards TWY G/N due terrain shielding. FTA utilize TWY N most, and caution must be exercised when entering the RWY from the SE side.
4. CAUTION: Proximity to GA, charter, warbird and training OPS (fixed and rotary wing) Toowoomba Airport. YTWB BRG 070 MAG 6.4NM FM ARP.
5. CAUTION: Proximity to Oakey (YBOK) and Amberley (YAMB) MIL controlled airspace and restricted areas. YBOK BRG 323 MAG 9.5NM FM ARP. YAMB BRG 085 MAG 49NM FM ARP.
6. CAUTION: Flight Training Adelaide (FTA) operations out of YBWW 1900-1400 UTC (0500-0000 Local) DLY.
7. PJE OPS by prior arrangement only.

## CHARTS RELATED TO THE AERODROME

1. WAC 3340.
2. Also refer to AIP Departure and Approach Procedures.

## BRISBANE/ARCHERFIELD

ELEV 65

### AVFAX CODE 4002

QLD

273413S

1530029E

UTC +10

VAR 11 DEG E

YBAF

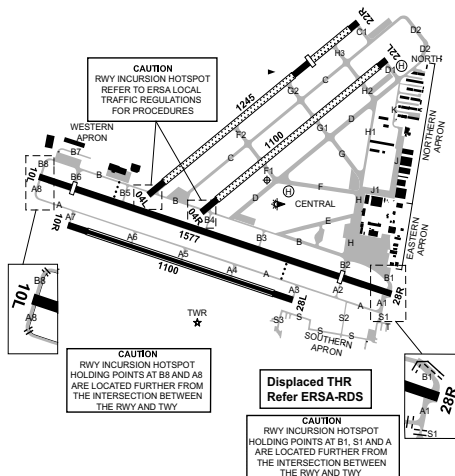
CERT

AD OPR Archerfield Airport Corporation, PO Box 747, Archerfield, QLD, 4108.

Email: aac@archerfieldairport.com.au. PH 07 3275 8000 (JO 0830-1630 Local);

Operations and Technical Officer 0414 233 903 (AH); Security 0449 866 031 (1900-0500 Local).

Website: www.archerfieldairport.com.au.



## REMARKS

1. AD charges: contact AD or see website for schedule of ACFT charges.
2. Pavement concession required for ACFT ABV 5,700KG MTOW, form AVBL from AD OPR or website.
3. Conditions of airport access and use. Details AVBL from AD OPR or website.
4. PPR for non-VH registered ACFT.
5. AD is limited to ACFT with a MAX wingspan of 29M. ACFT with a wingspan of 24M or more must contact AD OPR for approval.

## HANDLING SERVICES AND FACILITIES

AvFuel Services: DLY 2015-0730 UTC. AH call-out fee will apply. PH 0420 634 093.

JET A1 and AVGAS. Fuel bowser AVBL 24HR. AvFuel Services CARNET, EFTPOS and credit card (MC and V). Cash not accepted.

Ground Handling and FBO services contact:

Archerfield Jet Base Hangar 5 Qantas Ave. Archerfield QLD 4108. H24 with 2HR PN.

Email info@archerfieldjetbase.com.au or PH 1300 359 552 or 0402 797 071.

Eagle Aircraft Maintenance: Hangar 1, Qantas Ave, Archerfield Airport, QLD 4108. 0730-1530 Local DLY. Phone 07 3270 2450 or 0428 027 064.

Flight One: 224 Qantas Ave, Archerfield QLD 4108. 0700-1600 Local DLY with 2HR PN. Email: operations@contrails.aero, PH 1800 359 663.

## PASSENGER FACILITIES

1. Terminal lounge and amenities.
2. Yellow Cabs 131 924 or Black and White Cabs 133 222.



## APRONS AND TAXIWAYS

1. Northern and southern APN, Code A, grass surface.
2. Eastern APN, Code C asphalt, PCN 16/F/D/1500 (218PSI)/T.
3. Western APN, Code B concrete.
4. TWY H1, J, J1 and K limited to ACFT with wingspan less than 15M. Structures and ACFT parking APN WI TWY strips infringe TWY strip by 5M MAX.
5. TWY A8 graded TWY strip WID of the western side reduced to 7M.
6. TWY A and A1-A8, Code A 7.5M wide bitumen/asphalt sealed.
7. TWY B, B3 and B5 Code B 10.5M wide, bitumen sealed, PCN16/F/D/1500 (218PSI)/T.
8. TWY B1, B2, B6, B8, Code C 15M wide, bitumen/asphalt sealed, PCN 16/F/D/1500 (218PSI)/T.
9. TWY B4 and B7, Code A 7.5M wide, asphalt sealed.
10. TWY C and C1, Code A 7.5M wide, grass surface.
11. TWY D, D1 and D2, Code A 7.5M wide, grass surface.
12. TWY E, Code B 10.5M wide, asphalt sealed.
13. TWY F, F1 and F2, Code A 7.5M wide, grass surface.
14. TWY G, G1 and G2, Code A 7.5M wide, grass surface,
15. TWY H (south of TWY E), Code C 15M wide, asphalt sealed, PCN 16/F/D/1500 (218PSI)/T.
16. TWY H (north of TWY E), Code A 7.5M wide, asphalt sealed.
17. TWY H1-H3, Code A 7.5M wide, grass surface, except H1 bitumen sealed.
18. TWY J and J1, Code A 7.5M wide bitumen/asphalt sealed.
19. TWY K, Code A 7.5M wide, concrete surface.
20. TWY S1-S3 Code A 7.5M wide, asphalt sealed.
21. TWY T, Code A 7.5M wide, asphalt sealed.

## AERODROME OBSTACLES

1. Lit chimney 207FT AMSL BRG 255 DEG MAG 4,040M FM ARP. Infringes inner HZS by 13FT.
2. Four light towers at QSAC stadium 440FT AMSL BTN BRG 064 - 067 DEG MAG BTN 5,400M and 5,600M FM ARP infringes COS by 68FT. FLG red strobe on top of north TWR.
3. 15 floodlights at South Sports Club Acacia Ridge 130FT AMSL BTN BRG 109 – 121 DEG MAG BTN 940M – 1,260M FM ARP. Infringe RWY 10L take-off SFC by 25FT.
4. Lit TELCO TWR equipped with steady lights:
  - a. 303FT AMSL BRG 091 DEG MAG 4,650M FM ARP. Infringes COS by 77FT.
  - b. 120FT AMSL BRG 038 DEG MAG 1,780M FM ARP. Below OLS surfaces by 52FT.
  - c. 240FT AMSL BRG 051 DEG MAG 3,330M FM ARP. Infringes inner HZS by 46FT.
5. Unlit TELCO TWR 295FT AMSL BRG 101 DEG MAG 4,650M FM ARP. Infringes COS by 72FT.
6. 3 x unlit buildings, Griffith University - Nathan, BTN 380FT – 413FT AMSL BRG 055 DEG MAG 2.58NM FM ARP. Infringe COS by 128FT.
7. Lit power TWR 253FT AMSL BRG 276 DEG MAG 2.4NM FM ARP. Infringes inner HZS by 59FT.
8. Unlit power TWR:
  - a. 228FT AMSL BRG 244 DEG MAG 2.1NM FM ARP. Infringes inner HZS by 34FT.
  - b. 200FT AMSL BRG 236 DEG MAG 2,799M FM ARP. Infringes inner HZS by 6FT.
  - c. 240FT AMSL BRG 141 DEG MAG 3,532M FM ARP. Infringes inner HZS by 46FT.
9. Terrain Obstacles - Mountain Tops:
  - a. 470FT AMSL BRG 025 DEG MAG 2.6NM FM ARP. Infringes COS by 110FT.
  - b. 450FT AMSL BRG 027 DEG MAG 2.5NM FM ARP. Infringes COS by 125FT.
  - c. 600FT AMSL BRG 279 DEG MAG 8.23NM FM ARP. Infringes RWY 10L approach SFC by 65FT.

## METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT B, METAR/SPECI, AD WRNG.
2. AWIS Phone 07 3564 3701 - Report faults to BoM.
3. AWIS FREQ 128.4 - (requires one-second pulse to activate) Report faults to AD OPR.

## PHYSICAL CHARACTERISTICS

|         |     |     |                                   |        |         |
|---------|-----|-----|-----------------------------------|--------|---------|
| 04L/22R | 041 | 41c | Unrated. Natural. Both THR sealed | WID 30 | RWS 90  |
| 04R/22L | 040 | 36c | Unrated. Natural. Both THR sealed | WID 30 | RWS 90  |
| 10L/28R | 097 | 52a | PCN 16 /F /D /1500 (218PSI) /T    | WID 30 | RWS 150 |
| 10R/28L | 096 | 36c | Unrated. Central 18M sealed       | WID 30 | RWS 90  |

### Caution:

- RWY 10R/28L reduced to 18M sealed WID with soft wet SFC notification.
- Reduced CL spacing to 167M BTN RWY 10L/28R and RWY 10R/28L.
- RWY 10R/28L restricted to ACFT below 4,000KG.
- Reduced CL spacing to 93M BTN RWY 10L/28R and TWY B.
- Reduced CL spacing to 45M BTN RWY 10L/28R and RWY Holding Positions on TWY B2, B3, B4, B5 and B6.

## AERODROME AND APPROACH LIGHTING

|             |         |                |             |               |
|-------------|---------|----------------|-------------|---------------|
| RWY 10L/28R | MIRL(1) | AFRU+PAL 118.1 |             | SDBY PWR AVBL |
| RWY 10L/28R | PAPI(2) | AFRU+PAL 118.1 | 3.0 DEG42FT | SDBY PWR AVBL |
| RWY 10L/28R | RTIL(1) | AFRU+PAL 118.1 |             | SDBY PWR AVBL |

(1) AVBL AH.

(2) AVBL on RQ during TWR HR. Activated by AFRU+PAL outside TWR HR. Left side only.

RWY edge light spacing: 10L/28R: 60M.

## OTHER LIGHTING

ABN ALTN 6 W

- Secondary PWR switchover time: 15 SEC.
- TWY LGT: Blue edge LGT on TWY B, B1-B8, H and E, EXC B4 and B7. Green CL LGT on intersection of TWY B, B1, B2 and H.

## ATS AND AERODROME COMMUNICATION FACILITIES

|      |                  |       |                          |
|------|------------------|-------|--------------------------|
| FIA  | BRISBANE CENTRE  | 125.7 | On ground outside TWR HR |
| ATIS | ARCHERFIELD ATIS | (1)   | 120.9                    |
| SMC  | ARCHER GROUND    |       | 119.9                    |
| TWR  | ARCHER TOWER     |       | 118.1 123.6              |

(1) Also AVBL on Phone 07 3275 8201.

- TWR HR: 2100-0700 UTC DLY. Phone 07 3275 8230^.

*Note: For urgent OPR matters CTC Operations and Technical Officer 0414 233 903 (H24) or 07 3275 8000 (BH).*

- AF TWR provides ATS within Class D airspace SFC to 1,500FT during TWR HR.
- Outside TWR HR airspace becomes Class G. CTAF procedures apply.

## LOCAL TRAFFIC REGULATIONS

### 1. GROUND OPERATIONS

- Holding on TWY B2, B3, B4, B5 and B6 is limited to ACFT with MAX length of 22M.
- TWY A BTN TWY A2 and TWY A8 restricted to ACFT below 4,000KG MTOW.
- Fuel farm access FM TWY E and TWY B restricted to refuelling ACFT only.
- For ACFT TAX for RWY 22R, a clearance to cross RWY 22L via TWY F1, G1 or H2 not AVBL. ACFT must TAX via alternative route.
- Tail-skid equipped ACFT using RWY 10R/28L are to limit OPS to Southern 6M of strip abutting sealed central 18M for TKOF/LDG.
- Pilots are advised to minimise engine running adjacent to terminal parking.
- ACFT to TAX only via sealed TWY or natural SFC TWY marked by yellow cones.
- Non-radio equipped vehicles OPR on TWY A.
- All RWY are active at all times and during ATC HR require a clearance to enter, cross, TAX or backtrack.
- TWY B4 is inside RWY 04R/22L. ACFT vacating RWY 10L/28R via TWY B4 should:
  - During ATC HR request clearance to enter TWY B; or
  - TAX clear of RWY 04R/22L as soon as practicable when CTAF procedures apply.
- When grass areas are out of service, sealed RWY 10L or RWY 28R run-up bays should be used for run-ups.
- Terminal ACFT parking area infringes TWY H strip by 2M. Terminal ACFT parking area limited to ACFT with MAX wingspan of 13M.

- m. When entering RWY 28R via TWY B1, all ACFT ABV 6,800KG are not permitted to use 100% thrust until they reach the check point Zulu sign, which is located 90M FM start of RWY 28R. No thrust restriction applied passing Zulu sign.
  - n. The TORA sign at TWY B1 holding position, when approached from the west, is located on the right-hand side of the TWY.
2. **PREFERRED RUNWAYS**  
RWY 10/28 is the preferred runway. ATC will consider nominating an alternative RWY when the crosswind exceeds 10KT.
3. **PARKING - FIXED WING AND HELICOPTER**  
The following parking restrictions apply:
- a. Time limit - adjacent terminal MAX 60 MIN fixed wing only. HEL parking not permitted directly in front of terminal.
  - b. Reserved tie-down areas - PPR individual licensee. Pilots are advised that tie-downs do not conform with *CAO 20.9, Para 5.1.4*. ACFT must not TAX into tie-down positions under power.
  - c. Turbine parking - designated area adjacent terminal.
  - d. Visitor parking - designated apron area (on the grass) to west of terminal building.
  - e. To arrange alternative parking contact AD OPR.
  - f. Aeromedical parking - designated area south of gate 1, parking parallel to fence only.
  - g. When grass areas are out of service, parking is AVBL on northern APN, tie-down areas at pilot discretion.
  - h. Prior notice is required for ACFT requiring sealed parking.
  - i. HEL parking AVBL on designated HEL APN area (on the grass) to the West of the terminal.
4. **TRAINING FLIGHTS**
- 4.1. All circuit training requires ATC approval, pilots must book a slot online at: [www.qld.bookawk.com](http://www.qld.bookawk.com).

## FLIGHT PROCEDURES

1. **ESTIMATED AIRBORNE TRAFFIC DELAYS**
- 1.1. For ARR ACFT:
- a. IFR ACFT proceeding to YBAF via Brisbane Class C airspace and VFR ACFT ARR after last light may expect delays due to terminal area traffic density:
    - (i) 2100-1100 UTC DLY: 20MIN.*Note: Actual holding times may differ from holding estimates. Historical data on actual holding is available from the NOMC.*
- 1.2. For DEP ACFT:
- a. IFR ACFT departing YBAF directly into Brisbane Class C airspace may EXP delays due terminal area traffic density. VFR ACFT DEP after last light may also EXP delays.
    - (i) 2100-1100 UTC DLY: 20MIN unless the ACFT is a declared MEDEVAC, SAR, FFR or other priority FLT.
2. **ATC TRAFFIC MANAGEMENT SPEED**  
When **not** on a SID or STAR (including vectoring) - ACFT ARR or DEP AF via Class C airspace must not exceed 250KT IAS when BLW 10,000FT AMSL. Advise ATC if a higher speed is operationally required.  
*Note: Pilots must also comply with Class D airspace speed limits. Cancellation of ATC traffic management speeds does not cancel Class D airspace speed limits.*
3. **IFR OPERATIONS IN VMC**  
Pilots electing to commence or terminate an IFR flight under the VFR should communicate such intention at the earliest possible time to ensure their arrival or departure is processed efficiently.
4. **LOW VISIBILITY OPERATIONS**  
Low visibility operations NOT AVBL.
5. **CIRCUIT PROCEDURES**
- 5.1. Circuit ALT: 1,000FT (QNH).
- 5.2. Single engine ACFT require prior ATC approval to conduct simulated engine failure on takeoff. Recovery must be initiated prior to departure end of the RWY.
- 5.3. Simulated asymmetric operations not permitted RWYs 04.

- 5.4 Practice landing with feathered propeller only available with ATC approval (ATC response required "feathered landing acknowledged").
- 5.5 Low level CCTS not permitted on RWY 04/22.
- 5.6 Circuit directions during TWR HR, unless otherwise instructed by ATC.
- (i) RWY 04R HJ - right: HN - not AVBL.
  - (ii) RWY 04L HJ - left: HN - not AVBL.
  - (iii) RWY 22R HJ - right: HN - not AVBL.
  - (iv) RWY 22L HJ - left: HN - not AVBL.
  - (v) RWY 10R HJ - right: HN - not AVBL.
  - (vi) RWY 10L - left.
  - (vii) RWY 28R - right.
  - (viii) RWY 28L HJ - left: HN - not AVBL.

5.7 CAUTION: HEL OPR within HEL circuit training areas (when active).

## 6. DEPARTURES

6.1 Departure from the Archerfield CTR shall be **1,000FT**.

### 6.2 Transponder Procedure

- (i) All IFR ACFT contact Brisbane Centre 125.7 for an SSR code immediately prior to TAX.
- (ii) VFR ACFT planning to enter Brisbane CTR/CTA contact Brisbane Centre 125.7 for an SSR code immediately prior to TAX.
- (iii) All other ACFT squawk appropriate non-discreet SSR code.
- (iv) VFR ACFT planning to transit AMB CTR will receive a discrete SSR code on first CTC with Amberley ACD 134.6.

### 6.3 Tracking Requirements

- (i) For a planned DEP track BTN 310 and 019 DEG MAG: - Depart via "Northern DEP" - track via Walter Taylor (Indooroopilly) Bridge;
- (ii) For a planned DEP track BTN 020 and 099 DEG MAG: - Depart via "Eastern DEP" - track east to overhead Gateway Motorway/Pacific Motorway intersection (088M/ 5.5NM from Archerfield);

*Note: "Eastern DEP" not available when RWY 22 active, except for ACFT requiring clearance into Class C airspace.*

- (iii) For a planned DEP track BTN 100 and 204 DEG MAG: - Depart via "Southern DEP" - track 135 DEG from Archerfield (Departures RWY 28L track 135 from the crosswind leg to facilitate the descent of arrivals joining base from PKR);
- (iv) For a planned DEP track BTN 205 and 309 DEG MAG: - Depart via "Western DEP". All ACFT conducting a "Western DEP" shall DEP the AF CTR on a track BTN 220 DEG and 309 DEG MAG (inclusive). All ACFT must nominate their outbound DEP track with the TAX call;

*Note: When duty Runway 10, aircraft must not track across final leg on DEP.*

- (v) Any other DEP e.g. overhead R627 (Greenbank) or North-West, must be approved by ATC.

### 6.4 Departure Procedure

By day VFR ACFT (and IFR ACFT conducting a VFR DEP) are to depart via the following procedures:

- a. Advise intended DEP procedure (Northern, Southern, Eastern or Western) on TAX.
- b. With the ready call advise "For departure (direction)".
- c. A takeoff clearance constitutes a clearance to OPR within AF CTR or depart in accordance with intentions notified with ready call.
- d. IFR ACFT conducting a VFR DEP will receive a directed FREQ transfer from AF TWR.

### 6.5 Departures for entry into Brisbane CTR

Fixed wing ACFT: Unless otherwise advised by ATC, depart via "Northern DEP", remain in Class G airspace to the west of the BN CTR. Contact Brisbane Centre 125.7 ABM TV towers for airways clearance.

### 6.6 Departures for transit of Amberley restricted airspace

- a. After vacating Archerfield CTR remain in Class G airspace.
- b. Contact AMB ACD 134.6 with request for transponder code and airways clearance.
- c. If clearance is not immediately AVBL consider tracking via LMC VFR route or east of SPMT to remain in Class G airspace (refer to Amberley procedures for further information).

## 7. ARRIVALS

### 7.1 Entry into the Archerfield CTR shall be at **1,500FT**.

- (i) ARR VFR ACFT should track via and report at TVT, GON, PKR or TAR. AF TWR FREQ will be nominated on the ATIS.
- (ii) ACFT ARR FM TVT must also REP CENTENARY BRIDGE for ATC entry instructions.
- (iii) ACFT ARR FM PKR must also REP crossing the LOGAN MOTORWAY for ATC entry instructions.

*Note 1: Caution R627 (0-2,000FT AMSL - ARMY LIVE FIRING) immediately W of interstate railway line.*

*Note 2: GON and TAR reporting points are south of extended centre lines RWY 10/28.*

## 8. TRANSIT

- a. Advise ATC at VFR approach point "TRANSIT DETAILS" (with requested tracking and level).
- b. Comply with arrivals procedures unless instructed otherwise by ATC.
- c. CTR transit will be subject to ATC clearance and possible delays.

## 9. INSTRUMENT APPROACHES

Instrument approaches for training purposes subject to delay and approval due Brisbane and Archerfield TFC.

## 10. HELICOPTER OPERATIONS

### 10.1 Local Procedures

- a. TAX call required for all HEL operations on 119.9 during TWR hours.
- b. HEL must not start-up and/or TAX on N TWY fingers off TWY K. HEL to be wheeled to/FM HLS-N for DEP/ARR.
- c. All HEL trolleys/fuel trailers are to be parked clear of TWY.
- d. HEL are not permitted to ground run on HLS or HEL parking areas. Sealed pad TANGO is not suitable for any ACFT movements.

### 10.2 Helicopter Parking

- a. Itinerant HEL parking - delineated by blue cone markers on apron area to east of the central helipad.

### 10.3 Circuit Operations

For OPR within HEL training areas, unless otherwise specified below:

- (i) Circuit direction and FREQ as per ATIS.
- (ii) ATC will not positively control HEL circuit TKOF and LDG, or provide sequencing instructions.
- (iii) Initial TFC INFO only will be provided on other HEL conducting CCTS. Continuous surveillance of HEL cannot be maintained by the TWR. It is the HEL pilots responsibility to sight and remain clear of TAX TFC and Workers and Equipment (WAE) on TWY, manoeuvring area and APN. Notification of TAX fixed wing TFC or WAE will not be provided.
- (iv) Approved for CCTS and hovering only, other OPR will require ATC approval.
- (v) ATC approval required to enter or OPR on Northern or Central HLS during TWR HR.
- (vi) Possibility of unnotified WAE operating on TWY, Manoeuvring Area and APN.
- (vii) A continuous look out for airborne TFC must be maintained.

With ATC approval and maintaining continuous radio watch, HEL CCTS are permitted in the following areas:

- a. **"AREA A"**: N of TWY B WI the confines of the AD up to 500FT, clear of buildings, circuit direction and FREQ as per ATIS. A MAX of 3 HEL are permitted to OPR CCTS concurrently. Additionally, a MAX of 2 HEL are permitted to OPR on training in ground effect only.
- b. **"AREA B"**: N and W of RWY 04L WI the confines of the AD up to 500FT, clear of buildings, circuit direction and FREQ as per ATIS. A MAX of 3 HEL are permitted to OPR CCTS concurrently. Additionally, a MAX of 2 HEL are permitted to OPR on training in ground effect only.

- c. **"AREA C"**: S and E of TWY D, inside the fixed wing circuit for RWY 04R/22L, not ABV 800FT.
  - (i) LDG must be conducted N of TWY B.
  - (ii) Once established, the only COMS are 'AIRBORNE' call before each circuit and 'DOWNWIND' call.
  - (iii) Remain E of control tower at all times.
  - (iv) A MAX of 2 HEL are permitted to OPR circuit concurrently.

#### 10.4 **HEL Departures**

- a. DEP shall be parallel to and clear of the duty RWY. A departure on track or into wind is to be specifically requested and/or approved.
- b. Comply with fixed wing departure and transponder procedures, except;  
Departure for intended entry into Brisbane CTR.
  - (i) On TAX advise "UNI DEPARTURE"
  - (ii) Unless otherwise advised by ATC, depart the AF CTR via St. Lucia University (remain in Class G airspace) and contact Brisbane Centre 125.7 at St. Lucia University for clearance.
- c. Nominate HLS on first contact with the TWR.

#### 10.5 **HEL Arrivals**

- a. Unless otherwise approved by ATC comply with fixed wing arrival procedures.
- b. HEL may be instructed to overfly runway complex not below 500FT for a short circuit to designated HLS.
- c. Nominate HLS on first contact with the TWR.

#### 11. **COMMUNICATION FAILURE**

##### a. **During Tower Hours**

- (i) Carry out general Communication Failure procedures in EMERG.
- (ii) TR via the appropriate inbound reporting point.
- (iii) Enter AF CTR at 1,500FT and proceed to overhead the aerodrome at that altitude.
- (iv) Ascertain runway/s in use. For RWY 10/28, join the southern circuit for landing RWY 10R or 28L. For RWY 04/22, join the eastern circuit for landing RWY 04R or 22L.
- (v) When ready, descend to circuit altitude remaining clear of the other circuit.
- (vi) Maintain separation from other aircraft.
- (vii) Proceed with normal circuit and landing.
- (viii) Watch for light signals from the TWR.

#### 12. **OPERATIONS OUTSIDE TWR HR**

All circuit direction left hand

##### 12.1. **RWY availability:**

- a. RWY 04R/22L HJ only
- b. RWY 10L/28R H24
- c. RWY 04L/22R and 10R/28L not AVBL

- 12.2. Pilots requiring airways clearance on DEP are to CTC BN Centre on 125.7 or PH 07 3866 3694^, immediately prior to engine start for and expected CLR time and discrete transponder code.

#### **CTAF - AFRU 118.1**

Outside TWR HR.

#### **NOISE ABATEMENT PROCEDURES**

- 1. Outside TWR HR when operational conditions permit, RWY 28 must be used for TKOF.
- 2. Low level HEL training is not permitted outside TWR HR.
- 3. Fly Neighbourly procedures apply to HEL and fixed wing, AVBL from AD OPR or website.

#### **ADDITIONAL INFORMATION**

- 1. Bird and animal hazards may be present on the airfield.
- 2. Ground signal circle located ADJ central WDI.
- 3. Caution: Frequent temporary crane operations 144FT AMSL BRG 105 DEG MAG 1,150M FM ARP below transitional, approach and take off SFC for RWY 10L/28R, but penetrates VSS for runway 28R.

4. Caution: Regular crane operations 192FT AMSL BTN BRG 346 – 353 DEG MAG BTN 695M – 805M FM ARP. Infringe RWY 04L/22R transitional SFC by 58FT and inner HZS by 63FT.
5. Caution: Frequent scissor lift testing 138FT AMSL BRG 178 MAG 710M FM ARP, below RWY 10R/28L transitional SFC by 15FT.
6. Caution: Regular crane operations 92FT AMSL BRG 115 MAG 850M FM ARP. Infringe RWY 10L take off SFC maximum 7FT.
7. Caution: Jet blast hazard may exist for light ACFT and HEL OPR on the following taxiways:
  - a. Intersection of TWY J1 and TWY H from ACFT positioned on apron north of Terminal building;
  - b. Intersection of TWY J and TWY J1 from ACFT at Archerfield Jet Base apron.

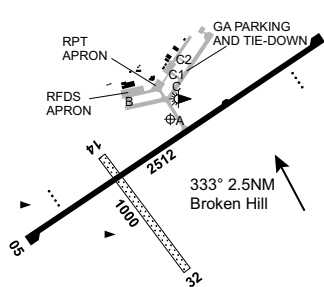
## CHARTS RELATED TO THE AERODROME

1. WAC 3340.
2. Also refer to AIP Departure and Approach Procedures.

## BROKEN HILL

ELEV 959

## AVFAX CODE 2232



NSW 320005S 1412818E UTC +9:30 YBHI  
 AD OPR Council of the City of Broken Hill, PO Box 448, Broken Hill, NSW, 2880. PH 08 8080 3300. CERT  
 ARO H24 0418 858 378. Fax 08 8080 3423.

## REMARKS

1. AD Charges: Landing fees all ACFT. Schedule of charges AVBL at <http://bit.ly/1RRWAwz>.
2. This AD is a Security Controlled Airport.

## HANDLING SERVICES AND FACILITIES

AIR BP: JET A1 MON-FRI 0800-1700 Local. AH by arrangement. AVGAS self serve. BP card facility. Phone 0408 728 605 H24.

IOR Aviation Pty Ltd. JET A1 and AVGAS 100LL AVBL H24 self-serve bowser.

Payment method via IOR Aviation tag for account holders or via the Fuelcharge APP.

JET A1 U/W and O/W (refueller vehicle) 0700-1600 Local MON-FRI; 0800-1600 weekends. AH call out fee applies. IOR mobile contact 0460 046 609 or 1300 457 467.

## APRONS AND TAXIWAYS

Taxiing only permitted via sealed surfaces.

## AERODROME OBSTACLES

1. Lit mast 1,320FT AMSL, 323DEG MAG, 1.85NM FM ARP, Infringes HZS by 250FT.
2. Tower 1,275FT AMSL, 330DEG MAG, 4NM FM ARP.

## METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT C, METAR/SPECI.
2. AWIS PH 02 9353 6406 - Report faults to BoM.
3. AWIS FREQ 123.15 - Report faults to AD OPR.

## PHYSICAL CHARACTERISTICS

05/23 047 82a PCN 15 /F /A /690 (100PSI) /T WID 30 RWS 150  
 14/32 134 33c Unrated. Brown sand. 40(131) sealed each end WID 30 RWS 90

## AERODROME AND APPROACH LIGHTING

RWY 05/23 LIRL PAL+AA 119.6 SDBY PWR AVBL  
 RWY 05/23 PAPI(1) PAL+AA 119.6 3.0 DEG47FT SDBY PWR AVBL  
 RWY 05/23 PTBL(2) BY PRIOR ARRANGEMENT  
 RWY 14/32 PTBL(2) BY PRIOR ARRANGEMENT  
 (1) Left side.  
 (2) EMERG only. 90MIN PN.  
 RWY edge light spacing: 60M.

OTHER LIGHTING

TWY LGT: Blue edge on A, B, C and C1.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA MELBOURNE CENTRE 122.6 On ground

RADIO NAVIGATION AND LANDING AIDS

|                                                            |     |            |           |            |                   |     |
|------------------------------------------------------------|-----|------------|-----------|------------|-------------------|-----|
| DME                                                        | BHI | 114.2/ 89X | 320002.4S | 1412847.3E |                   | (2) |
| NDB                                                        | BHI | 332        | 315931.3S | 1412806.4E | Range 150 (HN 85) | (3) |
| VOR                                                        | BHI | 114.2      | 320002.4S | 1412847.9E |                   | (1) |
| (1) 256/0.5 to ARP - Scalloping may occur on final RWY 05. |     |            |           |            |                   |     |
| (2) Antenna ELEV 973FT.                                    |     |            |           |            |                   |     |
| (3) 158/0.6 to ARP.                                        |     |            |           |            |                   |     |

LOCAL TRAFFIC REGULATIONS

- RWS not maintained for ACFT OPS.
- General aviation parking via TWY C.

CTAF - AFRU 126.7

ADDITIONAL INFORMATION

Bird and animal hazard exists.

CHARTS RELATED TO THE AERODROME

- WAC 3458, 3355.
- Also refer to AIP Departure and Approach Procedures.

BROMELTON

FULL NOTAM SERVICE NOT AVBL

|         |          |              |       |
|---------|----------|--------------|-------|
| QLD     |          | UTC +10      | BML   |
| 275800S | 1525400E | VAR 11 DEG E | NO AD |

RADIO NAVIGATION AND LANDING AIDS

|     |     |     |           |            |                  |
|-----|-----|-----|-----------|------------|------------------|
| NDB | BML | 374 | 275758.0S | 1525402.8E | Range 50 (HN 50) |
|-----|-----|-----|-----------|------------|------------------|

BROOKLET/BLUEBERRY FIELDS

ELEV 350

FULL NOTAM SERVICE NOT AVBL

|                                                                         |          |              |      |
|-------------------------------------------------------------------------|----------|--------------|------|
| NSW                                                                     |          | UTC +10      | YBBF |
| 284423S                                                                 | 1532914E | VAR 12 DEG E | UNCR |
| AD OPR Blueberry Fields, 769 Fernleigh Road, Brooklet, NSW, 2479.       |          |              |      |
| Email: ottosaeck769@gmail.com. PH 0428 332 595 (H24). ARO 0432 090 293. |          |              |      |
| Website: www.blueberryfields.com.au.                                    |          |              |      |

REMARKS

PPR.

AERODROME OBSTACLES

Powerline on NE side, clear of the landing strip.

PHYSICAL CHARACTERISTICS

|       |     |                      |        |        |
|-------|-----|----------------------|--------|--------|
| 18/36 | 11c | Grass. RWY LEN 350M. | WID 25 | RWS 45 |
|-------|-----|----------------------|--------|--------|

ATS AND AERODROME COMMUNICATION FACILITIES

|      |                     |       |
|------|---------------------|-------|
| FIA  | BRISBANE CENTRE     | 120.3 |
| SFIS | BALLINA INFORMATION | 124.2 |

- Ballina SFIS provides a Surveillance Flight Information Service within the Ballina BA SFC-8,500FT AMSL.
- SFIS HR: DLY 0800-1800 Local or as notified by NOTAM.
- SFIS responds to first broadcast of arriving, transiting or departing ACFT.
- Outside SFIS HR, the Ballina BA remains Class G, with non-towered aerodrome PROC applying and FIS provided by BN Centre.

FLIGHT PROCEDURES

Pilots are requested to avoid overflying residential buildings when approaching from the south.

CTAF 124.2



**ADDITIONAL INFORMATION**

1. Farm traffic (vehicles and people) could be crossing at any time.
2. If traffic on RWY, overfly.

**CHARTS RELATED TO THE AERODROME**

WAC 3357.

**BROOME/INTL****ELEV 57****AVFAX CODE 6903**

WA

175658S

1221340E

UTC +8

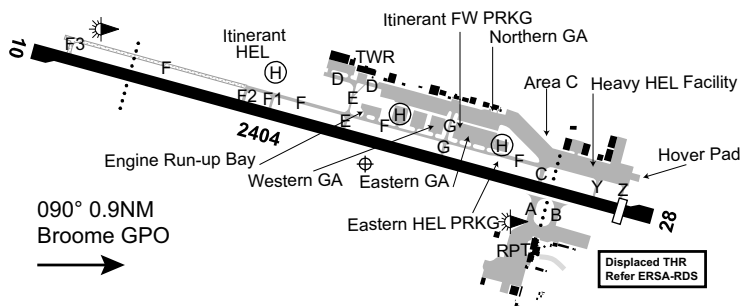
VAR 2 DEG E

YBRM

CERT

AD OPR Broome International Airport, Locked Bag 4016, Broome, WA, 6725. PH 08 9194 0600:

Duty Groundsman 0437 900 566. PH AH Night Security 0438 921 699. Fax 9194 0610.

Website: [www.broomeair.com.au](http://www.broomeair.com.au).**REMARKS**

1. All International arrivals and departures must be notified to AD OPR prior to OPS. Refer to website.
2. AD charges to all ACFT. Check the BIA website for latest INFO for landing and parking fees.
3. BIA is a security controlled airport. All pilots are required to maintain the safety and security of their passenger's airside at all times.
4. The Southern RPT APN at BIA is a designated Airside Security Zone.
5. Ground handling AVBL on request only. Contact AD OPR.

**HANDLING SERVICES AND FACILITIES**

AIR BP: 2200-1000 UTC DLY, AH 1HR PN. Outside normal HR of operation fee applies.

Phone 0436 412 616. Radio 129.9. AVGAS, JET A1.

Viva Energy Aviation: Dunning's Fuels: 2100-1100 UTC MON-FRI, 2300-0900 UTC SAT, 2300-1100 UTC SUN. Phone 0439 078 085, AH 1HR PN (call out fee applies). JET A1 and JetPlus. Fuel2Sky Carnet Cards or credit cards (V and MC).

**RESCUE AND FIREFIGHTING SERVICES**

1. CAT 6:
  - a. 2145-1115 UTC MON - FRI.
  - b. 2321-1115 UTC SAT.
  - c. 2245-1115 UTC SUN.
2. 131.0 MHz AVBL HO.
3. Water Rescue Service AVBL.

**APRONS AND TAXIWAYS**

1. TWY Y, Z and heavy HEL APN for wheeled HEL only. No fixed wing permitted.
2. Southern APN, by approval and RPT only.
3. Gate 6 parking by arrangement only, 30MIN MAX parking time, must park in designated areas, wingspan restrictions apply.
4. Non scheduled Code C ACFT must park in Area C via TWY C.
5. TWY F3 and TWY F west of TWY F2, unsealed. Not AVBL November to May.

1. Radio mast, unmarked and unlit 230FT AMSL, 1,760M BRG 200 DEG MAG from ARP. Infringes HZS by 43FT.
2. RWY 10 TKOF transient obstacle 2.92% truck on Highway, refer to Type A Chart March 2016.
3. RWY 28 approach obstacle 2.14% light pole, refer to Type A Chart March 2016.
4. CAUTION HELICOPTERS: multiple light poles 33FT AGL. 20M S Northern GA APN.

1. TAF CAT A, METAR/SPECI.
2. AWIS Phone 08 6216 2603 - Report faults to BoM.
3. AWIS FREQ 126.55 (requires one one-second pulse to activate). AWIS will transmit for 90 SEC. Report faults to AD OPR.

|       |     |     |                                         |        |         |
|-------|-----|-----|-----------------------------------------|--------|---------|
| 10/28 | 104 | 79a | PCN 47 /F /B /1500 (218PSI) /T Grooved. | WID 45 | RWS 150 |
|-------|-----|-----|-----------------------------------------|--------|---------|

|           |                          |                |             |               |
|-----------|--------------------------|----------------|-------------|---------------|
| RWY 10/28 | MIRL(1)                  | AFRU+PAL 126.0 |             | SDBY PWR AVBL |
| RWY 10/28 | PAPI(2)                  | AFRU+PAL 126.0 | 3.0 DEG54FT | SDBY PWR AVBL |
| (1)       | PAL AVBL outside TWR HR. |                |             |               |
| (2)       | Double sided.            |                |             |               |

RWY edge light spacing: 10/28: 60M.

1. Secondary PWR switchover time: 15 SEC.
2. TWY LGT: Blue edge on A, B, C and E. All other TWY have reflectors.

|      |                 |                                   |
|------|-----------------|-----------------------------------|
| FIA  | BRISBANE CENTRE | 123.95 On ground (Outside TWR HR) |
| ATIS | BROOME          | 128.2                             |
| SMC  | BROOME GROUND   | 121.7                             |
| TWR  | BROOME TOWER    | 126.0                             |

1. TWR HRS:
  - a. SUN-FRI: 0000-1145 UTC
  - b. SAT: 0000-0945 UTCPhone 08 9192 7702^  
*Note: TWR HR may change at short notice, check status of airspace with ATS or Broome ATIS.*
2. Broome TWR provides combined TWR and APP CTL services within Class D and E airspace BLW 5,500FT AMSL DRG TWR HR. CTC TWR for clearance.
3. Outside TWR HR, Broome Class D and E airspace BLW 5,500FT AMSL becomes Class G.

|     |     |            |           |            |     |
|-----|-----|------------|-----------|------------|-----|
| DME | BRM | 115.3/100X | 175648.5S | 1221405.2E | (1) |
| NDB | BRM | 320        | 175646.7S | 1221407.1E |     |

Range 60 (HN 60) OW  
110 (OW HN110)

- (1) Antenna ELEV 43 FT.

1. Visiting pilots unfamiliar with Broome operations, or pilots wishing to conduct circuits/ practice instrument approaches, are to contact BROOME TOWER on 08 9192 7702^.
2. All GA parking on aprons to the N side of RWY VIA TWY C, E, F and G.
3. Visitor parking marked on pavement or by yellow cones.
4. 48 HR PN to AD OPR for non-Broome-based ACFT PRKG.
5. Rotary wing arriving/departing Northern HEL Apron or Eastern GA Apron approach/depart via TWY F unless specifically advised otherwise by ATC. Minimum taxi speed in ground effect at all times.
6. All ACFT ABV 20,000KG, landing RWY 28 are to roll through to RWY end prior to executing 180DEG turn. Full length backtrack.
7. TWY C not AVBL to ACFT with a wingspan greater than 36M.
8. TWY D and northern GA APN not AVBL to ACFT with a wingspan greater than 20M.
9. TWY E and TWY G north of TWY F not AVBL to ACFT with a wingspan greater than 20M.

10. ACFT up to 24M wingspan, to use TWY F to minimise backtracking on RWY during busy periods.
11. GA ACFT to do intersection departures where operationally possible.
12. RWY 10 SOT at W turning node.
13. RWY 28 SOT at E turning node.
14. **Training Flights - All Aircraft**  
Circuit training is only to be conducted BTN 0900-2000 Local. All training flights to be conducted in compliance with Noise Abatement Procedures contained herein and the Broome International Airport "Fly Neighbourly Policy" - see website.
15. **Engine Ground Running - All Aircraft**  
Due to the proximity of the Broome Residential area, Engine Ground Running is to be conducted in the engine run-up bay at the corner of TWY E and F. All ground runs to be conducted only BTN 0530-2000 Local and within the confines of the engine run-up bay, helicopters not permitted in run-up bay, engine runs to be conducted in helicopter parking areas, unless otherwise approved by the Airport.
16. Departures prior to 0600 Local must have prior approval from the Airport.
17. Due to grades on RWY 10/28, opposite ends of the RWY are not visible when taking off. Mandatory CTAF BCST RQ BFR OPR on RWY.

## FLIGHT PROCEDURES

1. During TWR hours;  
Broome TWR Class E Airspace;  
a. Horizontal limits: A circle of 31NM centred on YBRM/DME, excluding the Class D Airspace.  
b. Vertical limits: 1,200FT AGL - BLW 5,500FT AMSL.
2. VFR aircraft are encouraged to CTC TWR with their intentions prior to entering and operating in Broome TWR Class E airspace.
3. VFR aircraft should maintain continuous two way communications whilst operating in Broome TWR Class E airspace.
4. For special procedures which apply to the Horizontal Falls, see *ERSA GEN - SPECIAL PROCEDURES*.

## CTAF - AFRU 126.0

## NOISE ABATEMENT PROCEDURES

1. Fly Neighbourly procedures are requested when operating piston engine and turboprop aircraft, including all helicopters, within the Broome environ, except in IMC, or when in VMC and stress of weather or traffic avoidance procedures require alternative action. These procedures do not apply to ultralight aircraft.
2. **Arrivals**  
**Piston Engine and Turboprop Aircraft**  
Runway 10 - aircraft are to be established on final while over water.  
Runway 28 - aircraft are to be established on final approach over water (Dampier Creek).  
**Twin Engine Helicopters**  
Runway 28 - aircraft are to conduct an oblique final approach north of the shopping centre for landing midway down the runway.  
Runway 10 - aircraft are to avoid built up areas and be established on final while over water.
3. **Departures**  
**Piston Engine and Turboprop Aircraft**  
Runway 10 - aircraft to climb on runway heading until over Dampier Creek.  
Right turns - not to be commenced below 1,500FT.  
Left turns - aircraft to remain clear of built up area before setting heading.  
Runway 28 - aircraft are to maintain heading until over water.  
Right turns - not to be commenced below 1,500FT.  
Left turns - aircraft to remain clear of built up area before setting heading.  
**Twin Engine Helicopters**  
Runway 10 - aircraft to pass north of shopping area and remain clear of built up area before setting heading.  
Runway 28 - aircraft to maintain take-off heading until established over water.  
Right turns - climb straight ahead to 1,500FT. Make right turn remaining just off the coast to 3NM. Make right turn to intercept the outbound bearing by 5NM.  
Left turns - aircraft to remain clear of built up area before setting heading.

4. **Circuit training - Piston Engine and Turboprop aircraft**  
Left circuits. Circuits not permitted BTN 2000-0900 Local all aircraft.  
**Twin Engine Helicopters**
  - All circuits to south of the airport and avoid built up areas, circuits not permitted BTN 2000-0900 Local unless approved by the Airport.
  - Night circuits - oblique departures and arrivals to runways 10 and 28 respectively.
  - Night circuits and off shore night deck landings with late arrivals back into Broome not permitted Sunday and Monday nights, unless approved by the Airport.

**ADDITIONAL INFORMATION**

- Bird and animal hazard exists. Flying fox (bat) activity on final APCH RWY 28 1HR prior to and after last light.
- Blast embankment, 6FT AGL, 2,568M FM SOT RWY 10 and 230M short of THR RWY 28.
- Weather balloon launch APRX 2315 UTC. Launches may occur at other times.

**CHARTS RELATED TO THE AERODROME**

- WAC 3223.
- Aerodrome Obstacle Chart Type A: Edition I (March 2016).
- Also refer to AIP Departure and Approach Procedures.

**BROWNS RANGE**

WA  
185344S  
AD OPR Northern Minerals Browns Range Mine Site, PO Box 669, West Perth, WA, 6516.  
Email: [evanrooyen@northernminerals.com.au](mailto:evanrooyen@northernminerals.com.au). PH 08 9482 2218. PH 08 9481 5929.

1285631E

UTC +8  
VAR 3 DEG E

ELEV 1466

**FULL NOTAM SERVICE NOT AVBL**  
YBNR  
UNCR

A diagram showing a runway layout. A dashed line represents Runway 24, with a solid line indicating the centerline. A small black triangle is positioned on the runway, and a grey rectangle is located near the end of the runway. The number '24' is written at the end of the runway.

**REMARKS**

OPR requires permission to land.

**HANDLING SERVICES AND FACILITIES**

Nil fuel AVBL.

**PASSENGER FACILITIES**

No mobile phone coverage.

**PHYSICAL CHARACTERISTICS**

RWY 06/24 060 11c (gravel) MTOW 5,700KG WID 18 RWS 45.

**AERODROME AND APPROACH LIGHTING**

PTBL EMERG lighting AVBL.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA            BRISBANE CENTRE            118.2

**CTAF** 126.7

**ADDITIONAL INFORMATION**

Animal and bird hazard exists.

**CHARTS RELATED TO THE AERODROME**

WAC 3458.

BROWSE BASIN

AVFAX CODE 9907

FULL NOTAM SERVICE NOT AVBL

WA UTC +8 YBRB

135709S VAR 2 DEG E UNCR

1231823E

ATS AND AERODROME COMMUNICATION FACILITIES

HF NORTH WESTERN 8843

CTAF 123.45

CHARTS RELATED TO THE AERODROME

1. WAC 3108.
2. Also refer to AIP Departure and Approach Procedures.

BRUNY ISLAND

ELEV 26



TAS

FULL NOTAM SERVICE NOT AVBL

431406S 1472247E UTC +10 YBYI

AD OPR Bruny Island Aviation Trust, 3959 Bruny Island Main Road, Bruny Island, UNCR

TAS, 7150. Email: info@brunyisland.com. Mobile 0427 931 271.

Website: www.brunyisland.com.

REMARKS

1. AD Charges: by donation.
2. PH AD OPR prior to ARR for RWY conditions.

PHYSICAL CHARACTERISTICS

14/32 21c Unrated. Gravel. RWY LEN 650M. Slope level. WID 10 RWS 25

ATS AND AERODROME COMMUNICATION FACILITIES

FIA HOBART CENTRE (2) 125.55

UNICOM BRUNY ISLAND UNICOM 126.7 (1)

- (1) CS "Bruny UNICOM" when AVBL.
- (2) Outside HB TWR and APP HR ML CENTRE.

LOCAL TRAFFIC REGULATIONS

Confirm PRKG SFC conditions following rain.

CTAF 126.7

FLIGHT PROCEDURES

Right hand CCTS on RWY 14 due to terrain.

ADDITIONAL INFORMATION

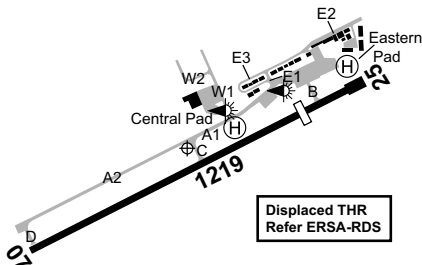
1. Trees on both APCH paths with high GND near the RWY 14 APCH.
2. Caution: Turbulence.
3. Splay areas below ALA recommended MNM due to hangar and perimeter trees.
4. Wildlife hazard exists.

CHARTS RELATED TO THE AERODROME

WAC 3556.

**BUNBURY****ELEV 53****AVFAX CODE 6307**WA  
332241S 1154037EUTC +8  
VAR 2 DEG WYBUN  
CERT

AD OPR Bunbury City Council, PO Box 21, Bunbury, WA, 6231. Email: info@bunbury.wa.gov.au:  
airport@bunbury.wa.gov.au. PH 08 9792 7000. ARO 0419 969 219: EMERG 08 9792 7000 H24.  
ARO Fax 08 9792 7184.

**HANDLING SERVICES AND FACILITIES**

AIR BP: H24 AVGAS Card Bowser. JET A1 not AVBL. Phone 08 9725 4377, AH 0437 060 292.

**PASSENGER FACILITIES**

WC

**AERODROME OBSTACLES**

Mast lit and painted 169FT AMSL (108FT AGL) BRG 214 MAG 1,014M FM ARP.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT C, METAR/SPECI.
2. AWIS FREQ 133.05 - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

07/25 066 40a PCN 3 / F / B / 5700/500 (73PSI) / U Sealed. WID 18 RWS 90

**AERODROME AND APPROACH LIGHTING**

RWY 07/25 LIRL(1) PAL+AA 125.1

SDBY PWR AVBL

(1) RWY lighting laterally spaced 32M.

RWY edge light spacing: 07/25: 60M.

**OTHER LIGHTING**

1. Secondary PWR generator switch-over time: 28 SEC.
2. TWY LGT: Blue edge TWY A1, A2, B, C and D.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 124.9 On ground

**LOCAL TRAFFIC REGULATIONS**

1. Ultralight and microlight OPR HJ. Significant flight training activity.
2. The RWS for the southern side of 07/25 has been suitably prepared and is available for take-offs and landings. The RWS is only available OCT-MAY. The limitations on the availability of the RWS are the RWS is for HJ use only and is not AVBL for jet OPS.

**CTAF** 127.0

## NOISE ABATEMENT PROCEDURES

- Pilots are encouraged to adopt the fly neighbourly procedures that are designed to minimise ACFT noise impacts on residential areas. View the document at [www.bunbury.wa.gov.au](http://www.bunbury.wa.gov.au)
- Circuit training is permitted only BTN the FLW HR:
  - MON-FRI 0700 – 2200 Local
  - SAT-SUN 0800 – 1800 Local
  - No circuit training:
    - Good Friday
    - Easter Monday
    - ANZAC Day
    - Christmas Day
    - New Year's Day
- ACFT below 600KG and flying below 55KT (microlights/ultralights) permitted to fly 500FT circuits MON-SUN: 0600 - Sunset (Local).

## ADDITIONAL INFORMATION

- Searchlight display OPR FM PSN BRG 327 MAG 3.8NM FM ARP.
- Model ACFT OPR WI 500M RAD of PSN 333048.00S 1153642.00E BRG 203 MAG 8.8NM FM Bunbury AD (YBUN) SFC to 1,000FT AGL.

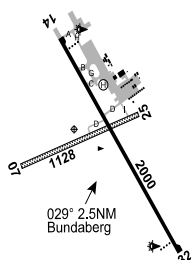
## CHARTS RELATED TO THE AERODROME

- WAC 3462.
- Also refer to AIP Departure and Approach Procedures.

## BUNDABERG

**ELEV 107**

## AVFAX CODE 4022



QLD

245414S

1521907E

UTC +10

VAR 10 DEG E

YBUD

CERT

AD OPR Bundaberg Regional Council, PO Box 3130, Bundaberg, QLD, 4670. Email: [airport@bundaberg.qld.gov.au](mailto:airport@bundaberg.qld.gov.au). PH 1300 883 699: 0418 750 565. ARO 0418 796 991 (H24).

## REMARKS

- AD Charges: All ACFT.
- This AD is a Security Controlled Airport.

## HANDLING SERVICES AND FACILITIES

Air BP - Bundaberg Aviation Fuel; MON-SUN 0730-1700 Local. AH refuelling fee \$160 plus GST/ \$176 incl GST. Phone H24 07 4155 1061, 0418 782 875. Email: [bdbavfuel@gmail.com](mailto:bdbavfuel@gmail.com). H24 Air BP carnet card swipe AVGAS 100LL bowser. JET A1 truck. O117, O125, other 24HR PN. Credit cards office hours only.

IOR Aviation Pty Ltd - JET A1 AVBL truck O/W and U/W MON-SUN 0800-1700 Local. AH call-out available, fees apply, \$250.00 plus GST - payment method via IOR Aviation account holders, credit card or EFTPOS. CTC 0484 690 921.

## PASSENGER FACILITIES

LG/WC/TX/HC/AC/RF

## AERODROME OBSTACLES

- Lit mast 259FT AMSL infringes inner HZS by 12FT BRG 008 DEG MAG DIST 1,957M FM ARP.
- Lit APN light 180FT AMSL infringes TNS by 6FT BRG 019 DEG MAG DIST 580M FM ARP.
- Tree 157FT AMSL BRG 338 MAG 1,312M FM ARP. Infringes visual segment SFC by 5FT.

## METEOROLOGICAL INFORMATION PROVIDED

- TAF CAT B, METAR/SPECI.
- AWIS Phone 07 3564 3706 - Report faults to BoM.
- AWIS FREQ 135.45 - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

|       |     |     |                                                                                                               |        |         |
|-------|-----|-----|---------------------------------------------------------------------------------------------------------------|--------|---------|
| 07/25 | 059 | 37c | Unrated. Grassed grey silt clay                                                                               | WID 30 | RWS 90  |
| 14/32 | 138 | 66a | PCN 45 /F /C /1410 (205PSI) /T Grooved.<br>Sealed shoulders 7.5 M wide (old RWY),<br>3M wide on SE extension. | WID 30 | RWS 150 |

**AERODROME AND APPROACH LIGHTING**

|           |         |                |             |               |
|-----------|---------|----------------|-------------|---------------|
| RWY 14/32 | LIRL(1) | AFRU+PAL 126.9 |             | SDBY PWR AVBL |
| RWY 14    | PAPI    | AFRU+PAL 126.9 | 3.0 DEG55FT | SDBY PWR AVBL |
| RWY 32    | PAPI    | AFRU+PAL 126.9 | 3.0 DEG53FT | SDBY PWR AVBL |

- (1) HN only.
1. RWY edge lighting spacing: 14/32: 60M.
  2. PAL only activates PAPI HJ.

**OTHER LIGHTING**

1. SDBY PWR switchover time: 15 SEC.
2. TWY LGT: Green CL.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 124.1 On ground

**RADIO NAVIGATION AND LANDING AIDS**

NDB BUD 302 245423.7S 1521913.1E Range 65 (HN 60) (1)

(1) 149DEG MAG 363M FM ARP

**LOCAL TRAFFIC REGULATIONS**

1. ACFT ABV 23,000KG to execute 180DEG turns at RWY ends.
2. TWY D MAX 5,700KG.
3. RPT APN limited to RPT ACFT and other ACFT approved by the AD OPR with 24HR PN for bay allocation.
4. RPT APN PRKG restrictions apply - not AVBL for GA, helicopters or itinerant ACFT PRKG except for RAAF and government ACFT with PN. Other requests considered with 24HR PN. Email approval for ACFT that require RPT APN due to mass or wingspan limitations. ACFT PRKG and passenger fees apply.
5. GA ACFT engine runs to be conducted in GA area, clear of RPT APN. CTC ARO for other location REQ.
6. Light ACFT with tail skids to confine OPS to RWY 07/25.
7. **HELICOPTER PARKING**
  - a. PSN H1 and H2 MAX rotor DIA 13M.
  - b. PSN H3 MAX rotor DIA 15M.
  - c. Large wheeled HEL park on RPT APN Bay 1 with PN.

**CTAF - AFRU 126.9**

**NOISE ABATEMENT PROCEDURES**

1. Preferred RWY 32 for ARR, RWY 14 for DEP.
2. If DEP RWY 32 RQ, full length of RWY to be used.
3. Circuit training permitted 2000-0900 UTC.
4. Night circuit training permitted 0900-1200 UTC for local ACFT. Other ACFT PPR.

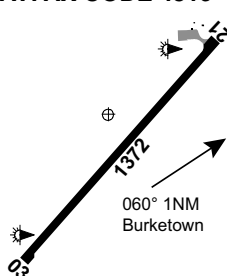
**ADDITIONAL INFORMATION**

1. Ultralight OPS take place WI 1NM RAD Booyan ALA (14NM NW Bundaberg) not above 1,000FT AGL.
2. Winch (rope) launched GFY to A030 at Elliott Field 200DEG/10NM YBUD ARP. Gliders OPR on YBUD CTAF.
3. Access to aprons via pedestrian gates. Code AVBL to bona fide aircrew by contacting the ARO.
4. Pilots, crew and operators must display a current ASIC when airside and have a bona fide reason to be in the Security Restricted Area.
5. Increased flying fox activity in vicinity during twilight periods.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3340.
2. Also refer to AIP Departure and Approach Procedures.



**BURKETOWN****ELEV 21****AVFAX CODE 4519**

QLD

174455S

1393204E

UTC +10

VAR 5 DEG E

YBK

CERT

AD OPR Burke Shire Council, Musgrave Street, Burketown, QLD, 4830.  
 PH 07 4745 5100. ARO 0458 004 131: 0408 872 377. Fax 07 4745 5153.

**REMARKS**

1. This AD is a Security Controlled Airport.
2. AD Charges: All ACFT
3. Landing Charges \$5.50/tonne - MNM \$11.
4. Parking: \$5.50/overnight. \$330/annum.
5. Parking without approval in a no standing area incurs a fine of \$27.50.

**HANDLING SERVICES AND FACILITIES**

Nowland: DLY H24. Phone 07 4745 5107, AH 0427 455 107. AVGAS, JET A1, O125. Credit card self-service bowser (not AMEX or DC).

*Note: Fuel not AVBL whilst RPT ACFT on APN.*

**AERODROME OBSTACLES**

1. Marked unlit mast 185FT AMSL BRG 029 MAG 1.30NM FM ARP. Infringes HZS by 20FT.
2. LGT TWR APN 55FT AMSL 114M and 133M FM RWY CL. Infringes TNS by 17FT.
3. Tree 44FT AMSL 84M NW of RWY CL at THR RWY 21. Infringes TNS by 21FT.
4. Fence post 27FT AMSL 78M NM of RWY CL at THR RWY 21. Infringes TNS by 7FT.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT D, METAR/SPECI.
2. AWIS PH 07 3564 3707 - Report faults to BoM.
3. AWIS FREQ 123.05 - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

03/21 037 45a PCN 11 /F /C /827 (120PSI) /T

WID 30 RWS 150

**AERODROME AND APPROACH LIGHTING**

RWY 03/21 LIRL AFRU+PAL 126.7

SDBY PWR AVBL

**OTHER LIGHTING**

1. Secondary PWR switchover time: 15 SEC.
2. TWY LGT: Blue edge.
3. RWY edge light spacing 60M.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

125.7 3000FT

**CTAF - AFRU** 126.7

**ADDITIONAL INFORMATION**

1. Animal activity (wallabies).
2. Gliding OPS HJ during the dry season - winch or towed to 3,000FT.

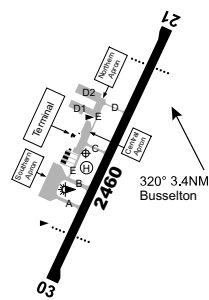
**CHARTS RELATED TO THE AERODROME**

1. WAC 3220.
2. Also refer to AIP Departure and Approach Procedures.

BUSSELTON

AVFAX CODE 6305

ELEV 56



WA  
334114S  
AD OPR City of Busselton, Locked Bag 1, Busselton, WA, 6280.  
Email: [airport@busselton.wa.gov.au](mailto:airport@busselton.wa.gov.au). PH AD 08 9754 2333.  
ARO 0417 928 916. Website: [www.busseltonmargaretriverairport.com.au](http://www.busseltonmargaretriverairport.com.au).

UTC +8  
VAR 3 DEG W

YBLN  
CERT

REMARKS

1. AD Charges and Noise Management Plan apply to all ACFT, refer to Busselton-Margaret River Airport website.
2. This AD is a Security Controlled Airport. Security gate access codes can be obtained by contacting the AD office.
3. All pilots and OPR are REQ to wear acceptable hi vis clothing or vests when airside and must possess and display current ASIC.
4. STD OPR HR ACFT:  
EMERG services unrestricted.  
Recreational and GA 0600-2200 Local.  
RPT and CHTR ACFT 0600-0000 Local - PPR.
5. All ACFT over 5,700KG notify AD OPR for LDG approval and use of AD as an alternate.  
CTC ARO by phone or email.

HANDLING SERVICES AND FACILITIES

ABP/City of Busselton, JET A1, AVGAS Phone AD OPR, Carnet card only.  
JET A1 truck refuelling AVBL, JET A1 and AVGAS bowsers AVBL, CTC AD OPR.  
ACFT requiring ground handling services call MRBTA on 0437 372 074.

METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT A, METAR/SPECI.
2. AWIS Phone 08 6216 2604 - Report faults to BoM.
3. AWIS FREQ 128.05 - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

03/21      028   81a   PCN 58 /F /A /1500 (218PSI) /T Grooved

WID 45      RWS 280

AERODROME AND APPROACH LIGHTING

RWY 03/21      LIRL(1)      PAL 119.6

RWY 03/21      PAPI(1)      PAL 119.6      3.0 DEG65FT

(1) PAL requires three three-second pulses to activate.

RWY edge light spacing: 03/21: 60M.

SDBY PWR AVBL

SDBY PWR AVBL

OTHER LIGHTING

1. SDBY PWR switchover time: 25 SEC.
2. TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA      MELBOURNE CENTRE

124.9 Circuit area

RADIO NAVIGATION AND LANDING AIDS

NDB BLN   386 (RWY21)   334132.7S   1152342.6E   Range 50 (HN 50)

(1) Pilot monitored.

(1)

---

**LOCAL TRAFFIC REGULATIONS**

1. Flight training not AVBL without prior approval. Contact AD OPR for further information.
2. Light ACFT and HEL PRKG AVBL in marked areas.
3. Restrictions:
  - a. ACFT ABV Code B LTD to TWY A, B, C.
  - b. PRKG Bays 1-4 by approval only.
  - c. TWY E not AVBL DRG HELITACK TKOF and LDG.
  - d. Wide body ACFT PRKG Bay 1 only via TWY A or B, approval FM AD OPR RQ.
4. Jet ACFT must taxi away FM APN PRKG PSN using MNM breakaway thrust.
5. Unlit HEL APN position mid field adjacent to ARP. Restricted to DFES use November to April.
6. Departing ACFT ABV 15,000KG MTOW are required to taxi on RCL to the THR of RWY in use and turn at the turning nodes.
7. Arriving ACFT ABV 15,000KG MTOW requiring 180 DEG backtrack turns are to extend the landing roll to the end of the RWY in use and use turning nodes for turning.
8. All turns on the RWY and the turning nodes are to be at MNM speed and MAX turning radius.

**FLIGHT PROCEDURES**

1. TKOF and landing on grass strip not permitted.
2. Training flights conducting practice instrument approaches should add 1,000FT to all the ALT prescribed in the approach to reduce noise nuisance and interference with circuit traffic. Such flights should BCST their intentions, including ALT limit of OPS when turning inbound. IMC flight should remain as high as practical when encountering VMC and join the circuit in a standard manner.

**CTAF - AFRU 127.0****NOISE ABATEMENT PROCEDURES**

1. Pilots are requested to use the same RWY for DEP and ARR - if operationally acceptable.
2. Adopt rate of CMB/decent which minimises noise over residential areas.

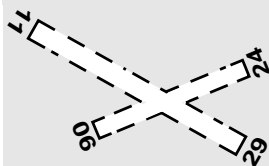
**ADDITIONAL INFORMATION**

Bird hazard. Possibility of large numbers of wetland birds in the vicinity of AD.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3462.
  2. Also refer to AIP Departure and Approach Procedures.
-

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**CABOOLTURE****ELEV 40****FULL NOTAM SERVICE NOT AVBL**

QLD  
270437S 1525913E  
AD OPR Caboolture Aero Club Inc, Lot 451, McNaught Road,  
Caboolture, QLD, 4510.  
Email: [secretary@cabooltureaeroclub.com.au](mailto:secretary@cabooltureaeroclub.com.au);  
[groundsman@cabooltureaeroclub.com.au](mailto:groundsman@cabooltureaeroclub.com.au). PH 0488 922 245.  
Website: <https://cabooltureaeroclub.com.au>.

**REMARKS**

No night OPS between last light and first light.

**HANDLING SERVICES AND FACILITIES**

Airwork Helicopters: 2200-0700 UTC DLY. Phone 07 5495 8000.

Burgess Aircraft Maintenance: Phone 0437 716 577.

VIVA Energy: Airport Refuelling Services H24. Phone 0408 711 968, Card Swipe Bowser AVGAS.

VIVA Fuel2Sky and credit cards (V and MC).

**PASSENGER FACILITIES**

WC/ME.

**PHYSICAL CHARACTERISTICS**

|       |       |                                           |        |        |
|-------|-------|-------------------------------------------|--------|--------|
| 06/24 | 27c   | Unrated. Grass. RWY LEN 820M.             | WID 10 | RWS 40 |
| 11/29 | 40a/c | Unrated. Grass. North Western end sealed. | WID 10 | RWS 50 |
|       |       | RWY LEN 1,210M.                           |        |        |

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 125.7 On ground

**LOCAL TRAFFIC REGULATIONS**

1. No TKOF RWY 24 except in EMERG or when wind strength and direction preclude safe OPS on other RWY.
2. DTHR RWY 06 and RWY 29.
3. Training CCTS Caboolture based operators only. PPR for all other operators.
4. Visiting pilots are advised to refer to the OPS Manual synopsis, AVBL on the Aero Club website.
5. Carriage and use of radio is required by the AD OPR.

**FLIGHT PROCEDURES**

1. Right hand CCTS required when OPR RWY 29.
2. All HEL DEP and ARR will be only from the East.
3. Circuit height 1,000FT AGL MNM, excluding gyrocopters.
4. Straight in approaches not permitted on RWY 11 or 06.

**CTAF** 125.85

**NOISE ABATEMENT PROCEDURES**

*Note: Compliance with the following Noise Abatement Procedures does not affect a pilot's responsibility to operate in accordance with Civil Aviation Safety Regulations and procedures.*

1. Sensitive areas to N, E and W to be avoided at all times.
2. DEP from RWY 24 required to make a 90DEG left turn at 500FT AGL to avoid overflying the Hospital and populated areas.
3. DEP from RWY 29 required to make a 90DEG right turn at 500FT AGL to avoid overflying populated areas.
4. DEP from RWY 24 and 29 required to commence ground roll at E extremity of RWY.
5. MAX 5 ACFT (including HEL) conducting circuits at any time.
6. Training CCTS Caboolture based operators only. PPR for all other operators.
7. Training CCTS permitted between 0700 Local and last light.
8. Fly neighbourly guidance AVBL from website.

ADDITIONAL INFORMATION

1.

Kangaroo and bird hazard exists.
2.

Caution: standing water or soft movement areas after rain.
3.

Gliding OPS using aero-tow.
4.

Ultralight OPS and training.
5.

Pilots should be aware that trees on the southern sides of RWY 06 and RWY 11 may encroach the Transitional Slopes gradients.

CHARTS RELATED TO THE AERODROME

WAC 3340.

CADNEY HOMESTEAD

ELEV 941

FULL NOTAM SERVICE NOT AVBL

32

31

SA

275424S

1340321E

AD OPR Cadney Homestead, PM Bag 8, via Coober Pedy, SA, 5723.

PH 08 8670 7994. Fax 08 8670 7934.

UTC +9:30

VAR 5 DEG E

YCDH

UNCR

**HANDLING SERVICES AND FACILITIES**

Cadney Homestead: HJ. PH AD OPR. AVGAS, JET A1 by bowser, O117, O125.

PASSENGER FACILITIES

AC/RF/PT All major credit cards.

AERODROME OBSTACLES

Unlit Mast 248FT AGL, 189M R of RWY 14 THR.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

MELBOURNE CENTRE

120.7 5500FT

UNICOM

CADNEY HOMESTEAD UNICOM

126.7 (1)

(1)

CS "Cadney UNICOM".

FLIGHT PROCEDURES

Right hand CCTS required RWY 32.

CTAF 126.7

ADDITIONAL INFORMATION

Animal hazard exists.

CHARTS RELATED TO THE AERODROME

WAC 3343.

CAIGUNA

ELEV 287

FULL NOTAM SERVICE NOT AVBL

WA

321649S

1252840E

AD OPR John Eyre Pty Ltd, Caiguna Roadhouse, PMB 4, via Norseman, WA, 6443.

Email: caigunarh@bigpond.com. PH 08 9039 3459. Fax 08 9039 3449.

UTC +8

VAR 2 DEG E

YCAG

UNCR

**HANDLING SERVICES AND FACILITIES**

AVGAS, H24. Phone 08 9039 3459.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA

MELBOURNE CENTRE

134.2 on ground

CTAF 126.7

**CHARTS RELATED TO THE AERODROME**

WAC 3461.

**CAIRNS/CAIRNS INTL****ELEV 10****AVFAX CODE 4511**

QLD

UTC +10

YBCS

165309S

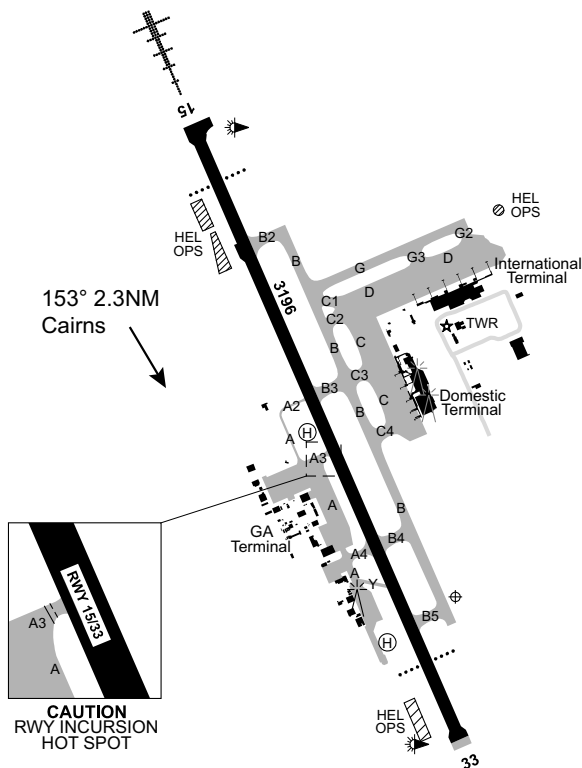
1454519E

VAR 7 DEG E

CERT

AD OPR Cairns Airport Pty Ltd, PO Box 57, Airport Administration Centre, Cairns Airport, QLD, 4870. Email: [enquiries@cairnsairport.com.au](mailto:enquiries@cairnsairport.com.au). PH 24HR 07 4080 6744.

Website: [www.cairnsairport.com.au](http://www.cairnsairport.com.au).

**REMARKS**

1. AD Charges: All ACFT refer conditions of use on website.
2. Restrictions apply for ground OPS. Contact Cairns Airport Pty Ltd for details. Phone 07 4080 6744 or 0412 773 065. Email [coords@cairnsairport.com.au](mailto:coords@cairnsairport.com.au).
3. Aerodrome operations frequency - Cairns Airport Pty Ltd VHF 129.9.
4. INTL flights requiring Customs; Phone 07 4052 3551/4052 3552.
5. This AD is a Security Controlled Airport.

## HANDLING SERVICES AND FACILITIES

Air BP - Danshe Pty Ltd: 2000-0800 UTC DLY. Phone 07 4035 9872. Fax 07 4034 9238.  
Mobile 0418 778 956. AH 1HR PN. AH call-out fee. VHF 126.40. AVGAS, JET A1, JET FSII.

Viva Energy Aviation – JL Aviation Fuelling Pty Ltd:

- a. RPT domestic/international aprons H24. JET A1. Mobile 0429 142 922.
- b. GA Apron MON-FRI 1900 – 0800 UTC, SAT-SUN 1930 – 0800 UTC. JET A1 and AVGAS. Mobile 0417 788 330. JET A1 AH CTC 0429 142 922.

Machjet International: Marshalling and Ground Handling services H24 DLY.

Phone: +61 428 756 929 or +61 7 5457 0778. Email: fbo@machjet.com.au.

Jet Aviation Australia - FBO Services and VIP Lounge H24 (civil and MIL ACFT).

PH OPS H24 +61 478 880 776 or +61 7 4030 1859. Email: cnsfbo@jetaviation.com. VHF 135.95, CS 'Jet Aviation'.

### General

Aircraft marshalling is required for all charter and visiting aircraft using the Domestic and International aprons. All aircraft using these aprons must be facilitated through a Fixed Base Operator or ground handler. Crew and passengers must be escorted to and from the aircraft. The AD OPR does not provide a marshalling service.

## RESCUE AND FIREFIGHTING SERVICES

1. CAT 8 H24 131.0 MHz AVBL H24.
2. Water Rescue Service AVBL.

### APRONS AND TAXIWAYS

1. Pavement restrictions - TWY A2 and A BTN A2 and A3 not AVBL to ACFT ABV 7,000KG, TWY A4 not AVBL to ACFT ABV 90,000KG. TWY Y not AVBL to ACFT ABV 10,000KG.
2. Taxiways - outboard ENG on four-engine jet ACFT to be OPR at low PWR to prevent erosion and ENG damage.

### AERODROME OBSTACLES

1. Unlit NDB CS BRG 327 MAG 2.6NM FM ARP 152FT AMSL. Infringes inner HZS by 0.9FT.
2. Unlit fence APRX BRG 150 MAG 3,219.9M FM RWY 15 THR offset 123.9M R 16.75FT AMSL. Infringes APCH SFC by 6.5FT and not part of TODA and STODA gradients.
3. Unlit NF aerial APRX BRG 148 MAG 3,246M FM RWY 15 THR offset 0.3M L 12.8FT AMSL inside CWY. Infringes APCH SFC by 2.9FT.
4. Lit LLZ BLDG by red OBST LGT APRX BRG 330 MAG 3,359.1M FM RWY 33 THR offset 100.8M R 25.1FT AMSL. Infringes APCH and TKOF SFC by 9.1FT.
5. Lit LLZ BLDG by red OBST LGT APRX BRG 147 MAG 3,282M FM RWY 15 THR offset 103.6M L 21.9FT AMSL. Infringes APCH SFC by 9.5FT.
6. Lit LLZ aerial by red OBST LGT APRX BRG 148 MAG 3,307.2M FM RWY 15 THR 15.9FT AMSL. Infringes APCH SFC by 1.9FT TKOF SFC by 3.9FT.
7. Lit LLZ aerial by red OBST LGT APRX BRG 328 MAG 3,336.2M FM RWY 33 THR 15.25FT AMSL. Infringes APCH and TKOF SFC by 0.9FT.
8. Tree 56FT AMSL BRG 176 MAG 0.66NM FM ARP. Infringes RWY 33 APCH SFC by 17FT.

### SURFACE MOVEMENT GUIDANCE

1. TWY A3 not AVBL for ACFT ABV 23,000KG.
2. TWY A3 holding point marking ONLY clearly visible when taxiing on centre line of TWY. Holding points are NOT aligned with gable markers.

### METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT A, METAR/SPECI, TAF3 H24, AD WRNG, WS WRNG.
2. MET INFO AVBL FM Airservices Pilot Briefing. Elaborative briefing FM BoM 07 3239 8721.
3. AWIS PH 07 3564 3708 - Report faults to BoM.

### PHYSICAL CHARACTERISTICS

15/33      150    105a    PCN 110 /F /D /1575 (228PSI) /T Grooved    WID 45    RWS 300  
RWS variation - RWY 33 (South end) is 180M, increased to 300M at 1,352M from THR.  
RWY 15 (North end) is 300M, reduced to 180M at 1,804 FM THR.



**AERODROME AND APPROACH LIGHTING**

|           |               |             |               |
|-----------|---------------|-------------|---------------|
| RWY 15/33 | HIRL(1)       |             | SDBY PWR AVBL |
| RWY 15/33 | MIRL          |             | SDBY PWR AVBL |
| RWY 15    | HIAL-CAT I(1) |             | SDBY PWR AVBL |
| RWY 15    | PAPI          | 3.0 DEG53FT | SDBY PWR AVBL |
| RWY 33    | PAPI          | 3.0 DEG61FT | SDBY PWR AVBL |

(1) Six (6) stage intensity.

1. **ALS type and length**

- a. RWY 15 - distance coded CL: 900M.
2. THR lights: Green-coloured. No wing bars installed.
3. RWY touchdown zone lights: Not installed.
4. RWY centerline lights: Not installed.
5. RWY edge lights spacing: 59.6M. MIRL Stages 1-3 White-coloured. HIRL Stages 4-6 White-coloured. Yellow-coloured for last 600M.
6. RWY end lights: Red-coloured. No wing bars installed.
7. Stopway lights: Not installed.
8. Turn pads: Blue-coloured edge lights.

**OTHER LIGHTING**

- ABN      ALTN 8 WG      Location and activation: ATC TWR. Activated 20MIN prior to ARR HN. Before DEP HN. Periods of low VIS as determined by ATC.
- HBN      R      FLG R 1.5 SEC. Installed on natural terrain.
- HBN      R      Installed on other OBST.
1. TWY LGT: Green CL. Stages 1-3.
  2. RWY Guard Lights at RWY 15/33 TWY intersections.
  3. Secondary PWR switchover time: 15 SEC.
  4. TWY LGT: Blue reflective edge on C BTN C3 and C4.

**ATS AND AERODROME COMMUNICATION FACILITIES**

|         |                 |                    |
|---------|-----------------|--------------------|
| FIA     | CAIRNS APPROACH | 126.1              |
| ACD     | CAIRNS DELIVERY | 128.75             |
| APP/DEP | CAIRNS APPROACH | 118.4              |
| APP/FIA | CAIRNS APPROACH | 126.1              |
| ATIS    | CAIRNS ATIS     | (2) 113.0 131.1    |
| SMC     | CAIRNS GROUND   | 121.7              |
| TWR     | CAIRNS TOWER    | 124.9              |
| VOLMET  | AUSTRALIA       | 6676 (1) 11387 (1) |

(1) H24, BCST 00 - 05 & 30 - 35. Refer AIP GEN 3.5.

(2) Also AVBL on Phone 07 4050 5311.

For ATC and training prior arrangements, Phone 1300 353 170 or 07 3866 3533^.

**RADIO NAVIGATION AND LANDING AIDS**

|                                    |                                                                                                                                                               |                    |           |            |        |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------|------------|--------|
| DME                                | CS                                                                                                                                                            | 113.0/ 77X         | 165100.5S | 1454438.2E | (2)    |
| NDB                                | CS                                                                                                                                                            | 364                | 165049.1S | 1454408.0E | (3)    |
| Range 50 (HN 50) OW 160 (OW HN110) |                                                                                                                                                               |                    |           |            |        |
| VOR                                | CS                                                                                                                                                            | 113.0              | 165100.1S | 1454438.0E | (1)    |
| DME                                | ICN                                                                                                                                                           | 109.5/ 32X (RWY33) | 165209.6S | 1454436.7E | (5)(9) |
| LOC                                | ICN                                                                                                                                                           | 109.5 (RWY33)      | 165152.8S | 1454435.0E | (4)    |
| DME                                | ICS                                                                                                                                                           | 109.9/ 36X (RWY15) | 165208.7S | 1454436.3E | (6)(8) |
| GP                                 | ICS                                                                                                                                                           | 333.8 (RWY15)      | 165208.6S | 1454436.6E |        |
| ILS                                | ICS                                                                                                                                                           | 109.9 (RWY15)      | 165335.6S | 1454521.4E |        |
| LOC                                | ICS                                                                                                                                                           | 109.9 (RWY15)      | 165335.6S | 1454521.4E | (7)    |
| (1)                                | 158/2.2 to ARP.                                                                                                                                               |                    |           |            |        |
| (2)                                | 158/2.2 to ARP - Antenna ELEV 41FT.                                                                                                                           |                    |           |            |        |
| (3)                                | 144/2.6 to ARP.                                                                                                                                               |                    |           |            |        |
| (4)                                | Use of Localizer on W side limited to WI 30DEG of the extended RCL. Use of LOC at 25NM limited to above 6,000FT. Use of LOC at 17NM limited to above 4,000FT. |                    |           |            |        |
| (5)                                | Antenna ELEV 22FT.                                                                                                                                            |                    |           |            |        |
| (6)                                | Antenna ELEV 22FT                                                                                                                                             |                    |           |            |        |

- (7) Coverage BTN 10DEG to 35DEG W of RWY centreline limited by high terrain and varies BTN 2000FT and 4500FT.
- (8) Poor coverage below 5000FT beyond 25DEG W of RWY centreline.
- (9) Poor coverage below FL150 BTN 20DEG and 35DEG W of RWY centreline.

## **LOCAL TRAFFIC REGULATIONS**

- 1. All aircraft must provide their parked position/gate number to ATC on acknowledgement of airways clearance.
- 2. Parking restrictions. Due to critical shortage of apron space, all non-RPT ACFT ABV 5,700KG and rotary wing, Government and MIL requiring access to the GA, Domestic or INTL aprons and rotary wing requiring parking on HP1 abeam TWY A3 must obtain prior parking approval from Cairns Airport Pty Ltd. 48HR PN; Phone 07 4080 6744 H24. VHF 129.9. Email coords@cairnsairport.com.au.
- 3. RWY 15 THR turn pads - clockwise turns only.
- 4. ACFT with wingspan ABV 36M must use turn pads at RWY ends. ACFT to execute MAX RAD turns.
- 5. All ACFT using RWY 15/33 turn pads to use MAX radius turns. All wide bodied ACFT using RWY 15/33 turn pads are also requested to use minimum thrust.

## **RWY INCURSION HOTSPOTS**

- 6. RWY 15/33 and TWY A3.
- 7. Western run-up bay not AVBL to turbine engine ACFT except for normal pre-flight checks associated with departure. Noise Abatement Procedures apply.
- 8. Fixed wing ACFT departing from a point within 100NM of Cairns for arrival at Cairns will be processed more expeditiously if a specific landing time has been obtained from ATC.
- 9. When requesting taxi instructions, pilots must nominate intersection departure, or full RWY length requirement.

## **TRAINING AND AIRWORK FLIGHTS WITHIN CAIRNS CTR/A**

- a. Training involving IAL procedures and any other airwork or flight testing involving operations in Cairns Class C airspace must be arranged with Cairns ATC on 1300 353 170 or 07 3866 3533^.
  - b. Practice instrument approaches by arriving aircraft will normally be approved, however, requests should be made as early as possible, preferably at the flight planning stage.
  - c. NDB-B and VOR-B approaches will not normally be approved BTN 0800-1700 Local.
  - d. Training operations contrary to the prevailing traffic pattern/operational runway direction will not normally be approved.
  - e. A missed approach from the IAL may not be available if it conflicts with the prevailing traffic pattern.
  - f. Fixed wing flights YBCS for YBCS with an EET of 45MIN or less must contact Cairns Approach on 1300 353 170 or 07 3866 3533^ to obtain a landing slot.
  - g. All ACFT requesting circuits or AWK within the CTR are subject to prior approval by Cairns Tower on 07 4050 5356^. Traffic restrictions may be applied during peak traffic periods. Landing Slot Times are required for these operations.
  - h. Circuit training by jet ACFT and other ACFT exceeding 5,700KG MTOW is not permitted BTN 2200-0700 Local.
  - i. Circuit training preferred directions:
    - (i) RWY 15 - Left hand circuits.
    - (ii) RWY 33 - Right hand circuits.
- 11. TS advice system installed on DOM and INTL APN. Expect ACFT docking and DEP delays when lightning is detected WI 5NM, indicated by blue strobe lights.
  - 12. Taxilane wingspan limitations apply at the GA APN and are indicated in blue letters on white gable markers at the entry of the taxilanes.

**FLIGHT PROCEDURES**

1. **ATC TRAFFIC MANAGEMENT SPEED**  
When **not** on a SID or STAR (including vectoring) - ACFT ARR or DEP CS must not exceed 250KT IAS when BLW 10,000FT AMSL. Advise ATC if a higher speed is operationally required.
2. ACFT requesting DEP from within the CS CTR must contact CS Delivery 128.75 for airways clearance.
3. All VFR ACFT leaving CS CTR at or BLW 1,000FT shall switch to area FREQ (126.1).
4. **LOW VISIBILITY OPERATIONS**
  - a. RWY 15 - CAT I precision APCH.
  - b. Low VIS TKOF are NOT supported. RWY 15/33 is capable of supporting TKOF with a RWY VIS of not less than 800M.
  - c. Manual RV readings are provided to the control TWR. Transmissometers are not installed.
  - d. RWY Guard Lights - a pair of unidirectional flashing yellow lights are installed at each TWY INT to caution pilots or vehicle drivers that they are about to enter an active RWY.
5. **SPECIAL PROCEDURES - VFR CORRIDORS**
  - a. Flights established in the Western VFR corridor:
    - (i) MUST remain WEST of the Captain Cook Highway between PALM COVE and the CABLEWAY TERMINAL.
    - (ii) MUST remain WEST of the Cairns Western Arterial Road between the CABLEWAY TERMINAL and MARINO'S QUARRY.
    - (iii) Due to poor radar coverage 2,500FT to SW of AD, must not leave the corridor until specifically instructed by ATC.
    - (iv) MUST remain WEST of MARINO'S QUARRY, KOPPEN PARK, EARLVILLE SHOPPING CENTRE and CAIRNS GOLF COURSE between MARINO'S QUARRY and CAIRNS GOLF COURSE.
    - (v) MUST remain WEST of the Bruce Highway SOUTH of the CAIRNS GOLF COURSE.
    - (vi) MUST remain clear of the Edmonton parachute area.
  - b. ACFT cleared inbound via the Eastern VFR corridor must track via the corridor to ABM the SUGAR TERMINAL and thence as directed by ATC.
6. ACFT planning to enter the CS CTR BTN: Mt Gorton, Cape Grafton and Upolo Cay at 500FT, must contact CS TWR for airways clearance.
7. ACFT landing RWY 15 RQ approval to vacate on TWY A2 and B2.
8. ACFT landing RWY 33 RQ approval to vacate on TWY Y and B5.
9. B777-300 pilots should be aware that normal clearance to TWY edge may not be AVBL during turns.
10. **HELICOPTER PROCEDURES**
  - a. Arrivals: On first CTC with CS TWR notify intended LDG point on the AD
  - b. Departures: Notify CS TWR of current position and intended DEP position on the AD with READY call.
  - c. Helicopter operations from Armour Museum Caravonica, 3NM west of ARP, close proximity to VFR corridor.
  - d. Fly Neighbourly Procedures apply

**NOISE ABATEMENT PROCEDURES**

Noise Abatement Procedures (NAP) apply. Refer AIP DAP.

ADDITIONAL INFORMATION

1. Bird hazard exists. Increased numbers of the following species are expected during the specified times and locations and may transit through critical airspace:

a. JAN-APR: magpie geese, pied imperial pigeons and lapwing.

b. MAY-SEP: black kites, white faced heron, ibis, intermediate and cattle egret, beach stone-curlew and bush stone-curlew and lapwing.

c. OCT-DEC: pied imperial pigeons, white faced heron, ibis, egret and lapwing.

d. Flying foxes can pose a hazard at any time of the year; peak activity around dusk and dawn.

e. Increased bird activity during and post rainfall and adverse weather events including Australian white ibis and straw-necked ibis.

f. Flocks of small birds feeding in air above RWY, RWY 15 undershoot and short final including fairy martin and welcome swallow, particularly during breeding season from JUL-JAN.
2. Bird Watch Condition Reports and species specific NOTAM will be issued during periods of increased activity.
3. Intense parachuting activity occurs in the Edmonton parachuting area (D762), as depicted on Cairns VTC, HJ. Jump ACFT broadcast on 126.1.
4. CAUTION: False Traffic advisories (may be generated on TCAS equipment due to transponders on naval vessels operating from HMAS Cairns (Position APRX 3NM on extended RCL RWY 15/33, SE of Cairns).

CHARTS RELATED TO THE AERODROME

1. WAC 3219.
2. Aerodrome Obstacle Chart Type A: August 2023.
3. Also refer to AIP Departure and Approach Procedures.

CALOUNDRA

ELEV 38

FULL NOTAM SERVICE NOT AVBL

12

05

33

15

QLD

264807S

1530619E

UTC +10

VAR 11 DEG E

YCDR

UNCR

AD OPR Sunshine Coast Regional Council, Locked Bag 72, SCMC, QLD, 4560. PH H24 0477 009 622. Website: [www.sunshinecoast.qld.gov.au](http://www.sunshinecoast.qld.gov.au).

REMARKS

AD charges: For current fees and charges, refer to website.

HANDLING SERVICES AND FACILITIES

BP: Phone 07 5641 1220. AVGAS H24 Card swipe bowser - Air BP card only.

PASSENGER FACILITIES

WC.

AERODROME OBSTACLES

All side transition SFC infringed by trees.

PHYSICAL CHARACTERISTICS

|       |     |                                              |        |        |
|-------|-----|----------------------------------------------|--------|--------|
| 05/23 | 26a | PCN 4 / F / B / 5700/690 (100PSI) /U Sealed. | WID 18 | RWS 90 |
|       |     | RWY LEN 795M.                                |        |        |
| 12/30 | 26a | PCN 4 / F / B / 5700/690 (100PSI) /U Sealed. | WID 18 | RWS 60 |
|       |     | RWY LEN 795M.                                |        |        |

AERODROME AND APPROACH LIGHTING

|                              |      |              |               |
|------------------------------|------|--------------|---------------|
| RWY 05/23                    | HIRL | PAL+AA 119.6 | SDBY PWR AVBL |
| RWY edge light spacing: 90M. |      |              |               |

OTHER LIGHTING

1. TWY LGT: Blue edge and blue reflective markers.
2. SDBY PWR switchover time: Manually activated.

ATS AND AERODROME COMMUNICATION FACILITIES

|     |                 |                 |
|-----|-----------------|-----------------|
| FIA | BRISBANE CENTRE | 129.0 On ground |
|-----|-----------------|-----------------|

LOCAL TRAFFIC REGULATIONS

Training CCTS Caloundra Aerodrome based operators only.

FLIGHT PROCEDURES

Right hand CCTS required when OPR on RWY 12 and 23.

CTAF 125.85

NOISE ABATEMENT PROCEDURES

*Note: Compliance with the following Noise Abatement Procedures does not affect a pilot's responsibility to operate in accordance with the Civil Aviation Safety Regulations 1998.*

1. Preferred RWY arrangements for arriving and departing aircraft
- Subject to weather or other operational constraints, following is the order of preference of RWY usage for arriving and departing ACFT.
2. Arrivals:
- RWY 05 RWY 12 RWY 23 RWY 30
3. Departures:
- RWY 23 RWY 12 RWY 05 RWY 30
4. Circuit operations
- a. Circuit operations:
- RWY 05 Left hand CCTS
- RWY 12 Right hand CCTS DO NOT TURN CROSSWIND UNTIL OVER PUMICESTONE PASSAGE
- RWY 23 Right hand CCTS
- RWY 30 Left hand CCTS DO NOT TURN BASE UNTIL OVER PUMICESTONE PASSAGE
- b. Subject to weather or other operational constraints, following is the order of preference of RWY usage for training circuit operations:
- RWY 23 RWY 12 RWY 05 RWY 30
- c. A maximum of five ACFT (including HEL) are permitted in the circuit for training circuit operations at any one time.
5. Restriction on hours of operation for training CCTS
- a. Training CCTS are permitted MON-SAT BTN 0700-1800 Local, SUN BTN 0800-1800 Local (Caloundra based operators only).
- b. No CCTS outside these times without PPR from AD OPR.
6. Takeoff point
- All ACFT departures (other than “touch and go” operations) to commence takeoff roll from end of RWY to maximise height over residential areas after takeoff.
7. Limitations
- a. For single engine ACFT, simulated engine failure after takeoff preferred on RWY 23 or RWY 12, and where possible inside AD boundary.
- b. Simulated asymmetric OPS preferred on RWY 23 or RWY 12.
- c. Low level training CCTS preferred on RWY 23 or RWY 12.

ADDITIONAL INFORMATION

1. Ab initio training conducted at AD.
2. Bird and animal hazard exists.
3. Refer to Fly Neighbourly Policy on website.

CHARTS RELATED TO THE AERODROME

WAC 3340.

CALVIN GROVE

SA  
344148S  
AD OPR Calvin Grove Airstrip, 188 Nash Road, Virginia, SA, 5120. ARO 0435 780 880:  
08 8380 9189.

1383442E

ELEV 42

FULL NOTAM SERVICE NOT AVBL

UTC +9:30  
VAR 8 DEG E

YCVG  
UNCR

REMARKS

Edinburgh RAAF Base airspace now only used by helicopters.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA ADELAIDE CENTRE

130.45

**CTAF 118.3**

Except when Edinburgh CTR and restricted areas are active.

**CHARTS RELATED TO THE AERODROME**

WAC 3458.

**CAMDEN****ELEV 230****AVFAX CODE 2102**

NSW

340225S

1504112E

UTC +10

VAR 12 DEG E

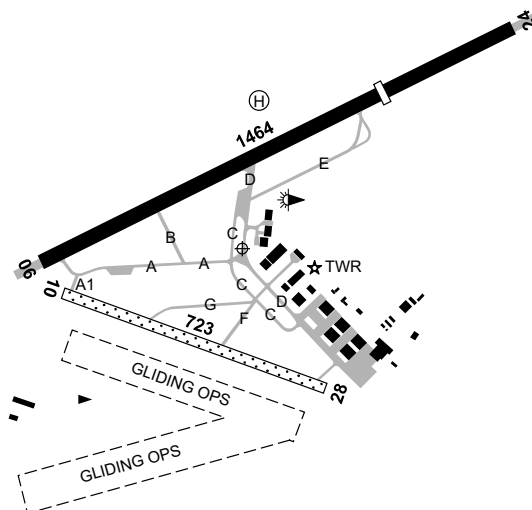
YSCN

CERT

AD OPR Camden Airport Pty Limited, C/- 16A Airport Avenue, Bankstown Airport, NSW, 2200.

PH Bankstown 02 8709 9400. ARO 0408 233 917 MON-FRI 0630-1500,

SAT-SUN 0730-1600 Local.

**REMARKS**

1. AD Charges: All ACFT - Contact AD OPR for price structure and conditions of use.
2. AD not AVBL to ACFT ABV 5,700KG MTOW without prior permission from AD OPR.

**HANDLING SERVICES AND FACILITIES**

Air BP - Skyfuel Australia Pty Ltd: AVGAS H24 Air BP Carnet Card Swipe Bowser.

Phone 02 4657 1255 or 0418 862 100.

**PASSENGER FACILITIES**

WC/ME

**AERODROME OBSTACLES**

1. Crane BRG 185 DEG MAG 2,080M FM ARP 495FT AMSL.
2. COM TWR:
  - a. BRG 338 DEG MAG 3,230M FM ARP 451FT AMSL.
  - b. BRG 268 DEG MAG 3,090M FM ARP 472FT AMSL. Lit.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT B, METAR/SPECI.
2. AWIS Phone 02 9353 6407 - Report faults to BoM.
3. AWIS FREQ 125.1 AVBL outside TWR HR - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

|       |     |     |                                          |        |        |
|-------|-----|-----|------------------------------------------|--------|--------|
| 06/24 | 052 | 48a | 5700/580 (84PSI)                         | WID 30 | RWS 90 |
| 10/28 | 098 | 24c | 5700/580 (84PSI) Grassed brown silt clay | WID 30 | RWS 90 |

**AERODROME AND APPROACH LIGHTING**

RWY 06/24 LIRL PAL 120.6

SDBY PWR AVBL

RWY edge light spacing: 06/24: 90M.

**OTHER LIGHTING**

ABN FLG 10 W

1. SDBY PWR switchover time: 3 SEC.
2. TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

|      |               |                  |
|------|---------------|------------------|
| FIA  | SYDNEY CENTRE | 124.55 on ground |
| ATIS | CAMDEN ATIS   | 125.1 (1)        |
| SMC  | CAMDEN GROUND | 121.9            |
| TWR  | CAMDEN TOWER  | 120.1            |

(1) DRG TWR HR

1. TWR HR: 2200-0800 UTC MON-SUN (1HR earlier during HDS).
2. Camden TWR provides ATS within Class D airspace SFC to 2,000FT during TWR HR.
3. Outside TWR HR airspace becomes Class G. CTAF procedures apply.

**LOCAL TRAFFIC REGULATIONS**

1. Start Clearance required on SMC FREQ 121.9 for circuit training.
2. ACFT ABV 5,700KG MTOW must only use TWY D BTN RWY 06/24 and TWY F.

**FLIGHT PROCEDURES****1. LOCAL PROCEDURES**

- 1.1. LEFT HAND CCTS RQ for powered ACFT OPR RWY 06 and RWY 10.
- 1.2. RIGHT HAND CCTS RQ for powered ACFT OPR CLASS D and CLASS G airspace RWY 24 and RWY 28.
- 1.3. ACFT, other than gliders and tugs, MUST NOT INFRINGE GLIDER CIRCUIT BLW 2,300FT.
- 1.4. All ACFT departing into Class G airspace are to change to SYDNEY CENTRE FREQ 124.55 2NM from CN during TWR HR. Specific transfer instructions will not be issued to VFR ACFT.
- 1.5. ACFT overflying the AD should exercise caution due ACFT operating up to 1,800FT within the lateral limits of CN CTR.

**2. LOW VISIBILITY OPERATIONS**

- 2.1. Low visibility operations not AVBL - RWY edge light spacing 90M.

**3. GLIDER OPS HJ.**

- 3.1. AT ALL TIMES Glider launch and landing areas are S of RWY 10/28, parallel to RWYs 06/24 and 10/28.
- 3.2. RIGHT HAND CCTS RQ for gliders/tugs OPR glider strips 06 and 10.
- 3.3. Simultaneous OPS from parallel glider strips. CONTRA CCTS IN OPERATION AT ALL TIMES. THERE IS NO DEAD SIDE WITH CONTRA CCTS.
- 3.4. Glider/tug CCTS to S or SE, other ACFT CCTS to N or NW.
- 3.5. Outside the lateral limits of CN CTR, gliders operate throughout the surrounding and overlying Class G airspace.
- 3.6. Gliders within the Camden CTR must conduct OPS on the TWR FREQ 120.1 during TWR HR or the CTAF outside TWR HR. In Class G airspace, they may monitor the TWR FREQ 120.1 or Area FREQ or 122.7.

**3.7. CAUTIONS:**

- a. Gliders landing on glider strip 24 cross RWY 28 THR.
- b. ACFT OPR RWY 10 are not visible to ACFT departing glider strip 06.
- c. ACFT on RWY 24 and on final for RWY 24 are not visible to ACFT on RWY 28.
- d. ACFT on RWY 28 and on final for RWY 28 are not visible to ACFT on RWY 24.
- e. When RWY 06 or 24 in use, gliders and tail wheel ACFT may RQ strips 10 or 28 due to crosswind component.
- f. HEL conduct low level OPS in SW corner of AD.
- g. ALA at the VFR Approach Point, 'THK', ELEV 880FT.

**4. ARRIVALS**

- 4.1. CTR ENTRY ALT (HJ) 1,800FT
- 4.2. ARR VFR ACFT should track via and report at MYF, BRY, MEG, PIC or THK.

**5. CTR PROCEDURES (TWR HR)**

- 5.1. Practice instrument approaches may not be AVBL due TFC.
- 5.2. Glider OPS notified on ATIS during TWR HR.

**6. DEPARTURES**

- 6.1. DEP ALT: 1,300FT
- 6.2. Routes:
  - a. VFR ACFT departing into Class G airspace depart the CTR on an extended leg of the circuit.
  - b. Clearance for VFR ACFT to operate in the CN CTR and VFR ACFT departing into Class G will be issued on CN TWR FREQ.

**7. CIRCUIT OPERATIONS**

Circuit ALT: 1,300FT (Camden QNH)

**8. HELICOPTER OPERATIONS**

- 8.1. HEL ALT: is 1,000FT (Camden QNH) HJ; 1,300FT (Camden QNH) HN.
- 8.2. During HJ, HEL must use the HEL circuit which is established WI the fixed wing circuit.
- 8.3. During HN, HEL must conform to the fixed wing circuit.
- 8.4. HEL operating in vicinity of parked ACFT should exercise caution due rotor wash.

**9. GLIDING OPERATIONS:**

- 9.1. ATC responsibilities to ACFT engaged in gliding activity are limited to passing relevant traffic information after the intention to land has been notified.
- 9.2. The normal requirements on entry to the CTR, do not apply to gliders. Gliders must report entering the CTR, and downwind.

**10. FIRE FIGHTING ACFT**

During summer months, fire fighting ACFT may operate from Camden. Other ACFT should give priority to these ACFT.

**11. VFR COMMUNICATION FAILURE**

- a. Carry out Communication Failure procedures in EMERG.
  - b. TR via the appropriate VFR approach point.
  - c. Enter Camden CTR at 1,800FT and TR to overhead the aerodrome at that altitude.
  - d. Ascertain landing direction and join the appropriate circuit for the runway selected. The preferred runway for landing should be the runway nominated in the joining or sequencing instruction or the arrivals/departure runway nominated on the ATIS.
  - e. When ready, descend to circuit altitude remaining clear of the glider area south of RWY 06/24.
  - f. Maintain separation from other ACFT.
  - g. Proceed with normal circuit and landing.
  - h. Watch for light signals from the TWR.
- 12. Parachute OPS not permitted within the lateral limits of CN CTR outside TWR HR.

**CTAF - AFRU 120.1**

Outside TWR HR.

**NOISE ABATEMENT PROCEDURES**

- 1. RWY 06 preferred.
- 2. Practice instrument approaches are not permitted BTN 2300-0600 Local DLY.
- 3. Circuit training is permitted BTN 0700-2200 Local MON-FRI (2230 Local during HDS) and BTN 0700-2000 Local SAT-SUN.
- 4. Wivenhoe Village and housing estates W of Macquarie Grove Rd and S of Cobbitty Rd (APRX BRG 033DEG MAG 0.9NM FM DER RWY 06) are noise sensitive areas. Pilots should avoid overflight of these areas where practicable.
- 5. Simulated engine failure after takeoff must not be conducted over noise sensitive areas.
- 6. Simulated engine failure after takeoff is best simulated following a go-around from short final so that the subsequent descent is conducted over the runway.
- 7. When using RWY 06 for takeoff, pilots should use the full length where practicable.



ADDITIONAL INFORMATION

1. Model ACFT OPR WI 500M RAD of PSN 340518.00S 1504442.00E BRG 122 MAG 4.2NM FM ARP. SFC to 1,000FT AGL.
2. Model ACFT OPR WI 400M of PSN 335931.60S 1504035.20E BRG 333 MAG 3.1NM FM ARP. SFC to 400FT AGL.

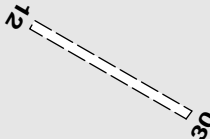
CHARTS RELATED TO THE AERODROME

1. WAC 3456.
2. Also refer to AIP Departure and Approach Procedures.

CAMDEN HAVEN

ELEV 7

FULL NOTAM SERVICE NOT AVBL



NSW

313954S      1524430E

AD OPR Camden Haven Airfield, Pacific Highway, Ross Glen, NSW, 2439.  
PH 02 6559 4281. Fax 6559 4281.

UTC +10

VAR 12 DEG E

YCMH  
UNCR

**HANDLING SERVICES AND FACILITIES**

Fuel: MOGAS (Drums)

PASSENGER FACILITIES

AC/ME

PHYSICAL CHARACTERISTICS

TODA/LDA 880M.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA      BRISBANE CENTRE      120.55 Circuit area

CTAF 118.1

ADDITIONAL INFORMATION

1. Aerobatic area - 1KM S PMQ golf course, 1KM N Lake Cathie, 1NM E and parallel to coast and E of PMQ - Lake Cathie road.
2. Model ACFT OPR may occur HJ within 1NM radius of ARP up to 1,200FT AGL.

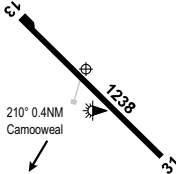
CHARTS RELATED TO THE AERODROME

WAC 3357.

CAMOOWEAL

ELEV 780

AVFAX CODE 4302



QLD

195442S      1380730E

AD OPR Mount Isa City Council, PO Box 815, Mount Isa, QLD, 4825.  
Email: city@mountisa.qld.gov.au. ARO 0429 639 399.  
Council PH 07 4747 3200: AD MGR 0439 211 455. Fax 07 4747 3209.

UTC +10

VAR 5 DEG E

YCMW  
CERT

REMARKS

PN required for all OPS.

APRONS AND TAXIWAYS

RWY 13/31 uneven pavement SFC at intersection to APN and TWY.

PHYSICAL CHARACTERISTICS

13/31      130 41a 5700/740 (107PSI)      WID 18      RWS 60

AERODROME AND APPROACH LIGHTING

RWY 13/31      PTBL(1)      BY PRIOR ARRANGEMENT

(1) EMERG use only - solar powered LGT.

OTHER LIGHTING

TWY LGT: Blue edge - solar powered.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

122.4 5500FT

**LOCAL TRAFFIC REGULATIONS**

No turning node AVBL at RWY 31 end.

**CTAF** 126.7**CHARTS RELATED TO THE AERODROME**

1. WAC 3220.
2. Also refer to AIP Departure and Approach Procedures.

**CANBERRA****ELEV 1887****AVFAX CODE 2111**

ACT

UTC +10

YSCB

351825S

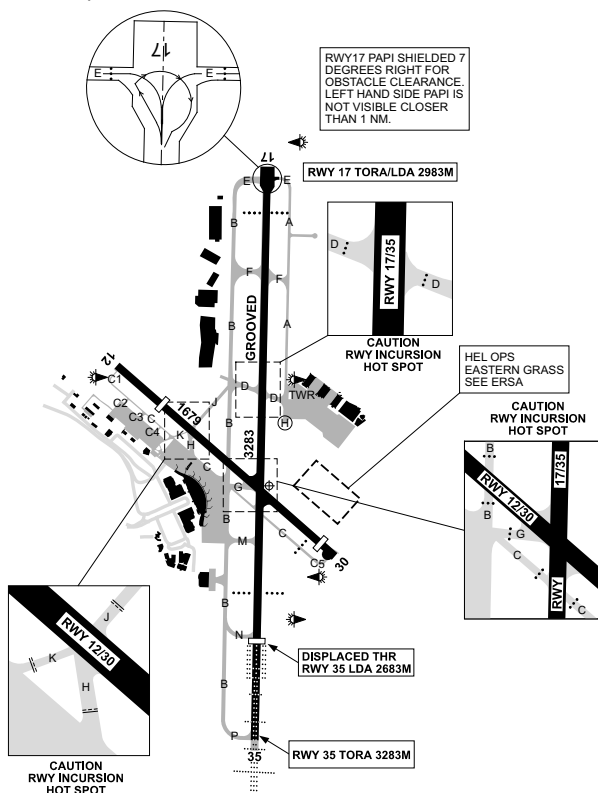
1491142E

VAR 12 DEG E

CERT

AD OPR Canberra Airport Pty Ltd, Level 4, Plaza Offices - West, Terminal Ave, Canberra Airport, ACT, 2609. Email: [info@canberraairport.com.au](mailto:info@canberraairport.com.au). PH 02 6275 2222.

Website: [www.canberraairport.com.au](http://www.canberraairport.com.au).



## REMARKS

1. AD Charges: Landing and access charges will be charged in accordance with Canberra Airport general conditions of use, which are AVBL on the Canberra Airport website.
2. Pavement Concessions REQ in advance from AD OPR if ACN at MAX ACFT OPR weight or MTOW is greater than PCN or tyre pressure is greater than RWY listed value.
3. General aviation apron access - entry and exit via Gate 4 requires prior notice. BTN 0500-0000 Local, contact 02 6275 2219. BTN 0000-0500 Local, contact 0411 696 082
4. Prior Approval from AD OPR is required for non-scheduled widebody ACFT movements.
5. 5 working days **PN** required to AD OPR for pavement concessions.
6. This AD is a Security Controlled Airport. All fixed wing aircraft and helicopter crew operating at Canberra Airport (CBR/YSCB) must hold either an Australian (AUS) or Canberra (CBR) Aviation Security Identification Card (ASIC).
7. All charter operators or visiting aircraft must be facilitated through a Fixed Base Operator or ground handler (see HANDLING SERVICES AND FACILITIES), are to be met on arrival or departure, and are to be escorted to and from aircraft.
8. RPT apron is a Security Restricted Area (SRA). All authorised persons accessing the RPT apron must submit themselves to the Canberra Airport Airside Security Screening Process and have an operational need to be airside and must display a RED Aviation Security Identification Card (ASIC).
9. Prior consent from Canberra Airport for the use as a scheduled international alternate. Canberra Airport may require a separate agreement as capacity is limited.

## HANDLING SERVICES AND FACILITIES

SWISSPORT - Ground Handling Agent: 0500-2200 Local DLY. AVBL AH with PN.

Phone 0402 167 265, Fax 02 6230 4050. Full handling services to CIVIL and MIL ACFT.

CANBERRA AIRPORT FUEL FACILITY: Phone 02 6248 6376, Fax 6248 6150, Managing Agent Ampol. Ampol - JET A1, Shell - JET A1, Aerorefuellers - AVGAS via bowser only. AVGAS self serve (accepts Aero Refuel Card, V and MC - unsuitable for fixed wing aircraft with wing span greater than 12M).

CORPORATE AIR - Phone Ground Handling Manager 0400 774 012 (H24) or 02 6249 7044.

Email: fbo@corporate-air.com.au. VHF 126.40 C/S "Corporate Air Canberra". Full ground handling services to CIV ACFT and MIL ACFT up to B747 (PN for B747 apron) including Customs/Quarantine, O/R JET A1, AVGAS, WC, potable water, O125, O133, O142, H536, S745, MMX60, E1, E5, HPOX. DC, MC, V, AMEX.

Royal Australian Air Force (RAAF) MIL APN - Limited transit and overnight parking AVBL. RAAF VIP movements take priority. APN not AVBL for military or civilian ACFT parking unless approved by RAAF VIP Operations. Approved non-VIP ACFT may be subject to delays or unable to park on APN at short notice.

ACFT handling – For APN AVBL CTC FBN 34SQN Air Support Services MON-FRI 0800-1700 Local. Phone: 02 6127 6344; Mobile 0455 194 083;

Email: fbn34sqn.airsupportservices@defence.gov.au. AH phone H24: Mobile 0474 800 870.

Inbound details – Approved inbound ACFT CTC 'Air Support Services' VHF 129.65, with ETA and handling requirements. PRKG bay and any delays due VIP movements will be advised.

Crew room facilities – RAAF VIP Terminal and 34SQN HQ facilities not AVBL for military or civilian aircrew use without prior approval by RAAF VIP Operations. ADF crews contact RAAF VIP Duty Operations Officer for approval to use facilities. Details AVBL via Defence Protected Network (DPN). 34SQN APN AVBL up to B747 ACFT with PN.

Restrictions – ACFT hot-refuelling prohibited.

## RESCUE AND FIREFIGHTING SERVICES

1. Cat 8 - HO as per current NOTAM.
2. 131.0 MHz AVBL HO.

## APRONS AND TAXIWAYS

1. Code D and E ACFT are limited to the use of TWY B, TWY C between TWY K to TWY G, D, E (west), F (west), G, M, N and P.
2. All wide bodied ACFT with wingspan of up to MAX 65M taxiing movements at the intersection between TWY B and C must use the oversteer turn guidance markings.
3. All wide body ACFT with wingspan of up to MAX 65M (Code E) taxiing movements on TWY G are required to use the Code E over-steer turn guidance markings.
4. Outboard engines on four-engine wide body ACFT when taxiing must operate at low power to prevent erosion and engine ingestion.
5. TWY C suitable for MAX 15M wingspan ACFT BLW 5,700KG BTN TWY C1 to TWY K and TWY B to TWY C5.
6. Taxi along RWY 12/30 not AVBL for ACFT larger than Dash 8.
7. GA apron entry and exit for ACFT with 15M to MAX 24M wingspan. ACFT ABV 5,700KG via TWY K only.

## SURFACE MOVEMENT GUIDANCE

All taxi guidelines and apron parking restrictions indicated by painted pavement markings.

## AERODROME OBSTACLES

1. Three unlit 164FT towers on SE ridge of Mt Mugga Mugga 240 DEG MAG 6NM from YSCB.
2. Lit OBST 26FT AGL BRG 355 DEG MAG DIST 1,515M FM RWY 35 THR. Infringes TNS by 17.8FT.
3. Trees (unlit):
  - a. 2,753FT AMSL, BRG 340 DEG MAG, 6,031M FM RWY 17 THR. Infringes Visual Segment Surface (VSS).
  - b. 2,895FT AMSL, BRG 338 DEG MAG, 5,969M FM RWY 17 THR. Infringes VSS.
  - c. 240FT AGL BRG 161 DEG MAG 6,030.4M FM RWY 17 THR. Infringes VSS.
  - d. 393FT AGL BRG 159 DEG MAG 5,966.7M FM RWY 17 THR. Infringes VSS.
  - e. 28FT AGL BRG 110 DEG MAG 1,787M FM RWY 30 THR. Infringes VSS.
  - f. 10FT AGL BRG 292 DEG MAG 1,763M FM RWY 30 THR. Infringes VSS.
  - g. 15FT AGL BRG 292 DEG MAG 1,745M FM RWY 30 THR. Infringes VSS.
  - h. 2,163FT AMSL, BRG 109 DEG MAG, 1,787M FM RWY 30 THR. Infringes VSS.
  - i. 2,143FT AMSL, BRG 111 DEG MAG, 1,761M FM RWY 30 THR. Infringes VSS.
  - j. 2,147FT AMSL, BRG 111 DEG MAG, 1,747M FM RWY 30 THR. Infringes VSS.
4. Buildings (lit):
  - a. 19FT AGL BRG 354 DEG MAG DIST 1,670M FM RWY 35 THR. Infringes TNS by 2.7FT.
  - b. 72FT AGL BRG 307 DEG MAG DIST 436M FM RWY 35 THR. Infringes TNS by 2.9FT.
5. Masts (lit):
  - a. 79FT AGL BRG 358 DEG MAG DIST 1,482M FM RWY 35 THR. Infringes TNS by 31.5FT.
  - b. 33FT AGL BRG 014 DEG MAG DIST 520M FM RWY 35 THR. Infringes TNS by 1.3FT.
  - c. 45FT AGL BRG 016 DEG MAG DIST 344M FM RWY 35 THR. Infringes TNS by 46.9FT.
  - d. 26FT AGL BRG 352 DEG MAG DIST 2,868M FM RWY 17 THR. Infringes TNS 17FT.
6. Lights (lit):
  - a. APN light 102FT AGL BRG 003 DEG MAG DIST 1,227M FM RWY 35 THR. Infringes TNS BY 27.4FT.
  - b. APN light 81FT AGL BRG 325 DEG MAG DIST 786M FM RWY 35 THR. Infringes the TNS by 5.2FT.
  - c. HBN 2,164FT AMSL BRG 110 DEG MAG DIST 1,783M FM RWY 30 THR. Infringes VSS.
7. Unlit power poles:
  - a. 90FT AGL BRG 196 DEG MAG 2.21NM FM ARP. Infringes inner HZS by 44FT.
  - b. 94FT AGL BRG 195 DEG MAG 2.15NM FM ARP. Infringes inner HZS by 44FT.
  - c. 79FT AGL BRG 194 DEG MAG 2.10NM FM ARP. Infringes inner HZS by 44FT.
  - d. 80FT AGL BRG 197 DEG MAG 2.27NM FM ARP. Infringes inner HZS by 44FT.
  - e. 71.2FT AGL BRG 163 DEG MAG 2.86NM FM ARP. Infringes inner HZS by 12.1FT.

## METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT A, TAF3 H24, METAR/SPECI, AD WRNG, WS WRNG.
2. AWIS PH 02 9353 6408 - Report faults to BoM.
3. AWIS FREQ 116.7 AVBL outside TWR HR - Report faults to AD OPR.
4. MET INFO AVBL FM Airservices Pilot Briefing. Elaborative briefing FM MO 02 6249 6579 AVBL 0400-2040 Local MON-FRI and 0630-1800 Local SAT-SUN. AH AVBL FM MWO 02 9296 1527.

## PHYSICAL CHARACTERISTICS

|       |     |      |                                         |        |         |
|-------|-----|------|-----------------------------------------|--------|---------|
| 12/30 | 118 | 55a  | PCN 12 /F /C /1050 (152PSI) /T          | WID 30 | RWS 90  |
| 17/35 | 168 | 108a | PCN 62 /F /B /1500 (218PSI) /T Grooved. | WID 45 | RWS 300 |

7.5M shoulders sealed.

Additional TKOF length AVBL for RWY 35. Refer ERSR Runway Distance Supplement (RDS) for further details.

## AERODROME AND APPROACH LIGHTING

|           |             |                |             |               |
|-----------|-------------|----------------|-------------|---------------|
| RWY 12/30 | MIRL        | AFRU+PAL 118.7 |             | SDBY PWR AVBL |
| RWY 30    | PAPI(1)     | AFRU+PAL 118.7 | 3.9 DEG31FT | SDBY PWR AVBL |
| RWY 17/35 | HIRL        | AFRU+PAL 118.7 |             | SDBY PWR AVBL |
| RWY 17/35 | MIRL        | AFRU+PAL 118.7 |             | SDBY PWR AVBL |
| RWY 17/35 | RCLL        | AFRU+PAL 118.7 |             | SDBY PWR AVBL |
| RWY 17    | PAPI(2)     | AFRU+PAL 118.7 | 3.0 DEG67FT | SDBY PWR AVBL |
| RWY 35    | HIAL-CAT II |                |             | SDBY PWR AVBL |
| RWY 35    | PAPI(2)     | AFRU+PAL 118.7 | 3.0 DEG57FT | SDBY PWR AVBL |
| RWY 35    | RTZL        |                |             | SDBY PWR AVBL |

(1) Left side.

(2) Double sided.

### 1. ALS type and length

- a. RWY 35 - distance coded CL: 900M.
2. RWY edge light spacing: 17/35: 60M; 12/30: 90M.
  3. RWY 12/30 edge lights retained at 45M WID.
  4. RWY edge light colour: RWY 35 Edge LGT - Red BTN beginning of RWY pavement and DTHR; White BTN DTHR and 600M FM RWY end; Yellow for last 600M.
  5. Outside TWR HR PAPI, HIRL, HIAL and MIRL Stage 2 MAN by AFRU+PAL. Responsible person AVBL AH on CTAF and Phone 02 6275 2221, 30MIN PN for lighting activation. Report AFRU+PAL faults on CTAF and 02 6275 2221.
  6. RWY 30 PAPI commissioned by ground survey. Not AVBL to RPT JET aircraft.
  7. RWY 30 lead on lights FM TWY G not AVBL. Entry onto RWY 30 FM TWY G AVBL during daylight/clear weather.
  8. RWY 17 PAPI shielded 7DEG right for obstacle clearance. Left hand side PAPI is not visible closer than 1NM.
  9. Hold points lights at all RWY 12/30 intersections.
  10. Stop Bars at all RWY 17/35 and 12/30 TWY holding points during ATC hours. RGL at all 17/35 TWY intersections.
  11. RWY 17/35 THR lights: green coloured. Wing bars installed only at RWY 35.
  12. RWY 12/30 THR lights: green coloured. No wing bars installed.
  13. RWY 35 touchdown zone light length 900M.
  14. RWY end LGT: red coloured. No wing bars installed.

### 15. LIGHTING COLOUR CODING

#### 15.1. RWY 17

- a. Edge lighting
  - (i) MIRL/CGL – white (Stages 1 to 3).
  - (ii) HIRL – white with last 600M yellow. Followed by red 300M declared stopway (Stages 1 to 6).
- b. Centre line lighting
  - (i) White to 900M from end, 900M-300M from end ALTN 2 red 2 white with last 300M red (Stages 1 to 6).

LOC ICB 109.5 (RWY35) 351714.4S 1491140.0E

- (1) Coverage reduced due to terrain shielding beyond 30NM BLW 6000FT particularly BTN 015-125 radials.
- (2) 178/1.3 to ARP - Antenna ELEV 1919FT. Unreliable on 332 radial at low ALT beyond 9NM.
- (3) ILS RWY 35 Performance Classification II/D/3
- (4) Antenna ELEV 1887FT.

Outside TWR HR all NAVAIDS are Pilot Monitored.

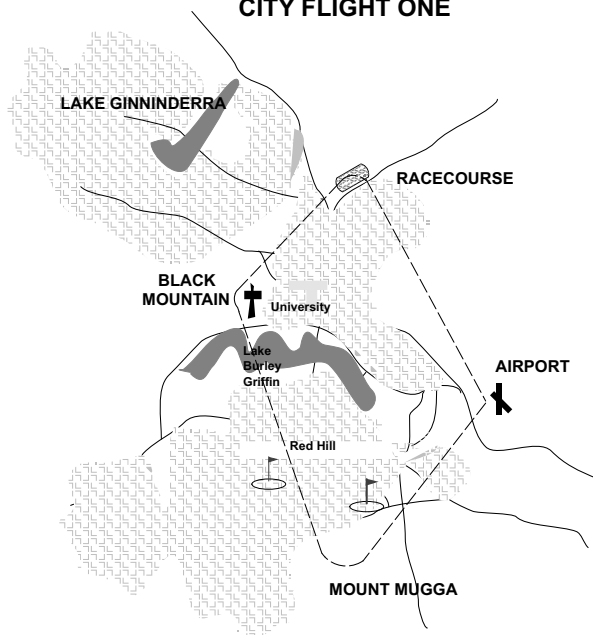
## LOCAL TRAFFIC REGULATIONS

1. All aircraft must provide their parked position/gate number to ATC on acknowledgement of airways clearance.
2. RWY 35 turning node at northern end designed to accommodate the normal turning radius of a B777-300 ACFT. ACFT make 180 DEG clockwise turn. Nose wheel line markings provided. For "follow me" service contact ATC on 118.7.
3. TWY A not AVBL to Code D and above ACFT unless ACFT operator has been issued with CASA exemption.
4. HEL access to MIL apron from HEL area NE of RWY INT not AVBL due LGT TWR OBST.
5. ACFT departing from Canberra shall obtain airways clearance from Canberra Ground prior to taxi.
6. RWY 12/30 lit entry via TWY G not AVBL HN.

## TRAINING FLIGHTS

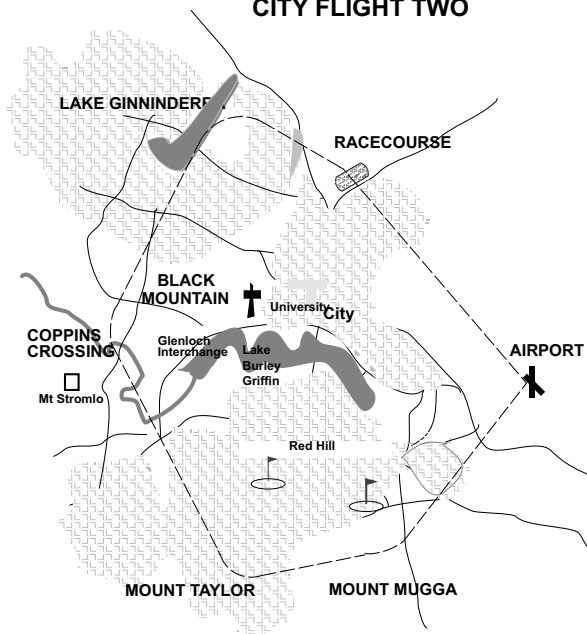
- a. All ACFT planning instrument training or airwork (except CCTS, see sub para e.) WI the CB terminal airspace require ATC approval. Pilots must book a slot online at [www.bookawk.com](http://www.bookawk.com).
  - b. Delays can be expected for Instrument Approach training 0600-0800 UTC MON-FRI (1HR earlier during HDS) (1600-1800 Local).
  - c. Pilots requesting practice NDB approaches may expect extended delay when RWY 30 or RWY 35 in use.
  - d. Extensive delays for practice 35 ILS or 35 VOR/DME APCH expected whenever RWY 12 or 17 in use.
  - e. All ACFT planning CCTS 0600-0800 UTC SUN-FRI (1HR earlier during HDS) (1600-1800 Local) require prior ATC (CB Tower) approval. Contact 02 6268 5850^.
8. **SCENIC FLIGHTS**

## CITY FLIGHT ONE



- a. Routes
  - (i) CITY ROUTE ALPHA ONE  
Canberra (Airport) - Racecourse - Black Mountain - Mount Mugga - Canberra (Airport)
  - (ii) CITY ROUTE CHARLIE ONE  
Canberra (Airport) - Mount Mugga-Black Mountain - Racecourse - Canberra (Airport)
  - (iii) CITY ROUTE ALPHA TWO  
Canberra (Airport) - Racecourse - Lake Ginninderra - Coppins Crossing - Mount Taylor - Mount Mugga - Canberra (Airport)
  - (iv) CITY ROUTE CHARLIE TWO  
Canberra (Airport) - Mount Mugga - Mount Taylor - Coppins Crossing - Lake Ginninderra - Racecourse - Canberra (Airport)
- b. Normal cleared altitude 4,000FT.
- c. AVBL HJ only.
- d. Routes ALPHA ONE and ALPHA TWO may be expected when RWY 35 or 30 is nominated for DEP.
- e. Routes CHARLIE ONE and CHARLIE TWO may be expected when RWY 17 or 12 is nominated for DEP.
- f. Pilots not familiar with the area or the specified routes shall obtain a briefing from a local flying school or HEL OPR.

### CITY FLIGHT TWO



### 9. PARKING

- a. GA ACFT with wingspan ABV 24M or ramp weight ABV 35,000KG and all MIL ACFT not parked on RAAF Military Apron must park on the Fairbairn Apron. PPR for all parking on Fairbairn Apron. All ACFT must park on a designated parking bay allocated by Airport Operations Officer (02 6275 2219) and must obtain ATC clearance to enter a TWY before commencing DEP from the parking bay.
- b. RPT Apron not AVBL for GA or MIL ACFT parking.
- c. GA apron ACFT parking bay restrictions are indicated by ACFT type, weight or wingspan.



- d. GA parking Bays 51 to 60 designated for ACFT with MAX wingspan 15M to 24M in accordance with GA Apron Layout Plan (ref DAP EAST). Contact Airport Operations Officer on 02 6275 2219 with PN for parking bay allocation. ACFT exiting from these bays must exit via TWY K.
- e. Bays 51 to 60 only suitable for aircraft with MAX wingspan ABV 12M.
- f. Remainder of GA apron hardstand designated for ACFT with MAX wingspan 12M.
- g. Non-paved parking areas are designated for ACFT BLW 5,700KG.
- h. Access to designated non-paved parking areas is only by way of designated marked taxi lane. Other access may be uneven or otherwise unsafe.
- i. Visiting GA aircraft with out access permit must arrange access to and from airfield with FBO, or via the GA Gate 4 Access Facility by contacting Airport Operations Officer, Phone 02 6275 2219.
- j. Air Ambulance must operate on GA Apron with access via Vehicle Gate 5.
10. All RAAF F/A-18 OPS into Canberra are to comply with Remarks Note 2.
11. RAAF Military Apron is for VIP and MIL air movements only. PPR for all movements from RAAF VIP Operations via FBN 34SQN Air Support Services. Refer 'Handling Services and Facilities' for information and contact details.
12. VFR route Cotter (COTR) to Tharwa (THAW) is depicted on the Canberra VTC with positions COTR - BIDG - BDGE - THAW.

## FLIGHT PROCEDURES

### 1. ATC TRAFFIC MANAGEMENT SPEED

When **not** on a SID or STAR (including vectoring) - ACFT ARR or DEP CB must not exceed 250KT IAS when BLW 10,000FT AMSL. Advise ATC if a higher speed is operationally required.

2. ACFT departing Canberra CTR at or below 3,500FT, are not required to make an airborne call to TWR. Remain on TWR FREQ within the CTR. On exit from the CTR, change FREQ and squawk code 1200 (MIL ACFT - 6000).
3. To minimise delays, and subject to weather conditions, inbound fixed wing ACFT proposing to enter Class C airspace should request a clearance at or ABV 4,000FT on the appropriate CB APP FREQ.
4. For TFC management reasons, inbound ACFT may be positioned onto a 5NM Final.
5. CB TWR 118.7 is the Controlling Authority of the Canberra Class C airspace, up to and including 3,500FT.

### 6. LOW VISIBILITY OPERATIONS

- a. For CASA approval operators, RWY 17/35 is capable of supporting takeoffs with an RVR/RV of not less than 350M. Instrument RVR is provided for RWY 17/35. If instrument RVR is not AVBL, RV assessment measurements AVBL.
- b. Secondary PWR switchover time: 1 SEC during LVP.
- c. For CASA approved operators, RWY 35 is capable of supporting CAT II approaches.
- d. No intersection departures permitted from TWY C.
- e. Taxiway lights installed at 60M spacing on TWY C East and C West.
- f. The following TWY are intended for use in RVR conditions of less than a value of 550M but not less than 350M:
  - (i) TWY B, P, N, M, G, D, F West, E West, J and H.
  - (ii) TWY C – BTN TWY B and K.
- g. All TWY are intended for use in RVR conditions of 550M or greater.

### 7. LOW VISIBILITY PROCEDURES

- a. Preparations for the activation of Low Visibility Procedures (LVP) are commenced when the visibility has reduced to 1,500M and are further reducing. This ensures that the LVP are in force at or just prior to the visibility reducing to 800M.
- b. When visibility is less than 800M, ATC will limit vehicle access on the manoeuvring area to the Airport Operations Officer (AOO) and RFFS/other EMERG vehicles. ACFT position reporting procedures may be implemented.
- c. Flight crew must notify ATC if a Follow Me service is required.
- d. Radio Failure - ACFT must hold position and await further guidance from a Follow ME vehicle.
- e. High Intensity Approach Lighting (HIAL) system and High Intensity Runway Edge Lighting are used in reduced visibility.

8. HEL OPR in circuit are parallel to and in close proximity to RWY final. Subject to ATC clearance, helicopters may expect landing and departure clearance from the HEL parking areas S of TWY C. ARR and DEP from the GA and RPT aprons not AVBL.
9. Night OPS RWY 30 - high ground to right of approach path. Pilots unfamiliar with local terrain should limit descent to 2400FT until past lit mast on Disaster Hill (BRG 120/1NM from RWY 30 THR).
10. Local HEL OPS are to be conducted on the eastern grass, which is NE of the RWYs INT. Circuit OPS from the eastern grass are to be conducted PARL to RWY 12/30 and within the blue gable markers.
11. Circuit TRG MIL JET ACFT. Circuit ALT will be 3,500FT for NAP unless otherwise advised by ATC. Base turn point for RWY 35 should avoid direct overfly of Queanbeyan or Jerrabomberra Estate.

CTAF - AFRU 118.7

Outside TWR HR.

NOISE ABATEMENT PROCEDURES

Noise Abatement Procedures (NAP) apply. Refer AIP DAP.

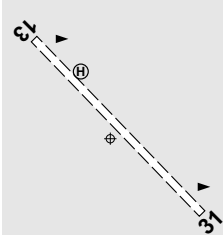
ADDITIONAL INFORMATION

1. During strong westerly winds TURB may be experienced in touch down area LDG RWY 35.
2. Pilots landing RWY 12 in crosswinds should note possible turbulence in northerly and north easterly wind conditions.
3. Canberra International Dragway aligned parallel and to the left of RWY 30 on final approach, may be mistaken for RWY 30. Confirm RWY identification by RWY markings/lights.
4. Bird hazards exist at AD. There is seasonal bird activity on and in the vicinity of the AD with an increase of galahs in summer, and an increase of magpies in autumn each year.
5. Instrument number CASA 37/19 applies for additional MBDs located at all taxiway holding points inside the obstacle restricted area. All MBDs within the obstacle restricted area are models 596530 and are mounted on frangible posts. Further information can be provided upon request.
6. CAUTION: ACFT operating BTN Black Mountain and Canberra Airport may experience radio interference.

CHARTS RELATED TO THE AERODROME

1. WAC 3457, 3456.
2. Aerodrome Obstruction Chart Type A:  
RWY 17 Edition 10 (January 2022).  
RWY 35 Edition 7 (January 2022).  
RWY 35 (5 degree offset) Edition 8 (January 2022).  
List of Obstructions (December 2021).
3. Also refer to AIP Departure and Approach Procedures.
4. Precision Approach Terrain Chart for RWY 35, AVBL upon request from Airport Management for airline operators.

CAPE LEVEQUE



WA162402S122555EAD OPR Kooljaman, PMB 8, Cape Leveque via Broome, WA, 6725.PH 08 9192 4970.

UTC +8VAR 2 DEG E

ELEV 75YCLQUNCR

REMARKS

1. Operational HR are BTN 0800-1700 Local.
2. PPR CTC AD OPR.

**AERODROME OBSTACLES**

1. Lighthouse in close proximity to THR RWY 13.
2. Trees in close proximity to RWY.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 122.1

**FLIGHT PROCEDURES**

For special procedures which apply to the Horizontal Falls, see *ERSA GEN - SPECIAL PROCEDURES*.

**CTAF** 127.2

**ADDITIONAL INFORMATION**

1. Caution after rain.
2. Soft edges.

**CHARTS RELATED TO THE AERODROME**

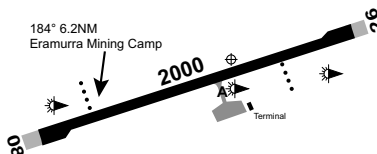
WAC 3223.

**CAPE PRESTON**

**ELEV 77**

**AVFAX CODE 6835**

WA UTC +8 YCPR  
 205838S 1161630E VAR 1 DEG E CERT  
 AD OPR CITIC Pacific Mining Management Pty Ltd, North West Coastal Highway, Cape Preston  
 via Karratha, WA, 6714. Email: CPWairportmanagers@allianceairlines.com.au. PH 08 9178 4651.  
 ARO H24 0447 396 271.

**REMARKS**

1. PPR from AD OPR.
2. No SDBY PWR AVBL.
3. PRI source of power is derived from a generator.

**HANDLING SERVICES AND FACILITIES**

Parking and ground handling by prior arrangement with AD OPR. JET A1 fuel only AVBL for under wing refuelling.

**AERODROME OBSTACLES**

Unlit Terrain:

- a. 312FT AMSL, BRG 292-309 DEG MAG 2.461NM FM ARP infringes inner HZS and COS by 92FT.
- b. 246FT AMSL, BRG 287 DEG MAG 2.723NM FM ARP infringes inner HZS by 26FT.
- c. 262FT AMSL, BRG 278 DEG MAG 2.697NM FM ARP infringes inner HZS by 43FT.

**PHYSICAL CHARACTERISTICS**

08/26 079 66a PCN 32 /F /D /1076 (156PSI) /T WID 30 RWS 150

**AERODROME AND APPROACH LIGHTING**

RWY 08/26 LIRL(1) AFRU+PAL 132.05  
 RWY 08/26 PAPI(2) AFRU+PAL 132.05 3.0 DEG 48.5FT  
 (1) HN only.  
 (2) Left side only.

**OTHER LIGHTING**

TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 122.4

LOCAL TRAFFIC REGULATIONS

1. RWY 08/26: All fixed wing ACFT ABV 20,000KG must make MAX RAD turns at MNM speed at all turning nodes to avoid SFC damage.
2. PRKG Bay 2A may be allocated for refuelling purposes by AD OPR.

FLIGHT PROCEDURES

1. Right hand CCTS required when operating on RWY 08.
2. No circling north of RWY 08/26 HN.
3. Mandatory final APCH call via CTAF.

CTAF - AFRU 132.05

ADDITIONAL INFORMATION

Intermittent blasting will take place 9NM bearing 234 MAG from ARP. Details are AVBL from ARO.

CHARTS RELATED TO THE AERODROME

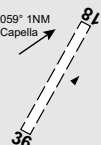
1. WAC 3229.
2. Also refer AIP Departure and Approach Procedures.

CAPELLA

ELEV 824

FULL NOTAM SERVICE NOT AVBL

059° 1NM  
Capella



QLD  
230543S  
1480026E

UTC +10  
VAR 8 DEG E

AD OPR Central Highlands Regional Council, PO Box 21, Emerald, QLD, 4720.  
Email: [airport@chrc.qld.gov.au](mailto:airport@chrc.qld.gov.au). PH 1300 242 686. Mobile 0408 194 913.  
Fax 1300 242 687. Website: [www.chrc.qld.gov.au](http://www.chrc.qld.gov.au).

REMARKS

1. PPR FM AD OPS. Day use only.
2. Commercial and charter OPS not permitted over 1,500KG MTOW.
3. AG OPS up to 3,000KG MTOW by prior permission FM AD OPR.
4. No cone markers, no NAVAIDS, no LGT.

AERODROME OBSTACLES

OBST (tree, power poles, fences WI etc) are in the immediate vicinity of the AD and infringe the OLS.

PHYSICAL CHARACTERISTICS

- 18/36

32c

1500/ Unrated. Natural surface.

RWY LEN

WID 10
- 980M. Slope 1% down to N.
1. Not suitable for OPS in wet weather.
2. Common RWY/RWS length.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA BRISBANE CENTRE 122.3

CTAF 126.7

ADDITIONAL INFORMATION

Assume bird activity, wildlife and stock hazard exists.

CHARTS RELATED TO THE AERODROME

WAC 3234, 3235.

**CARAVONICA****ELEV 10****FULL NOTAM SERVICE NOT AVBL**

QLD

UTC +10

YCAV

165100S

1454139E

VAR 7 DEG E

UNCR

AD OPR The Australian Armour and Artillery Museum, 1145 Kamarunga Rd, Caravonica, QLD, 4879. PH 0418 660 529. PH 07 4038 1498.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA

CAIRNS APPROACH

126.1

**CHARTS RELATED TO THE AERODROME**

WAC 3219.

**CARDWELL/DALLACHY****ELEV 47****FULL NOTAM SERVICE NOT AVBL**

QLD

UTC +10

YCDW

181042S

1455700E

VAR 7 DEG E

UNCR

AD OPR Cassowary Coast Regional Council, PO Box 887, Innisfail, QLD, 4860.

PH 07 4030 2222. PH AH 1300 763 903.

**REMARKS**

Prior permission required.

**PASSENGER FACILITIES**

WC (limited), HC 07 4066 8780 with airport pickup, TX 0459 472 616, PT Kennedy township 2NM south of AD, mobile phone coverage at AD, vehicle access from highway to AD limited to 4WD vehicles after rain.

**PHYSICAL CHARACTERISTICS**

14/32

38c

Unrated. Grass. RWY LEN 1,150M.

WID 23

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA

BRISBANE CENTRE

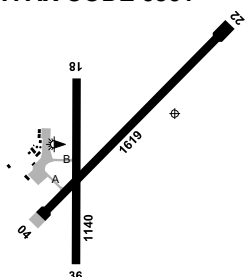
120.55 3500FT

**CTAF 132.9****ADDITIONAL INFORMATION**

1. Wildlife (wallaby and bird) hazard exists. Varying engine PWR may help to move animals off RWY.
2. Model ACFT OPS will take place WI 0.5NM radius of ARP HJ, SFC - 1,000FT AGL.
3. This is the closest aerodrome to Hinchinbrook Island. Fly Neighbourly Agreements FN6 and FN16 apply around the island and the Great Barrier Reef Marine Park. Check ERSA Special Procedures for details.

**CHARTS RELATED TO THE AERODROME**

WAC 3219.

**CARNARVON****ELEV 13****AVFAX CODE 6501**

WA

UTC +8

YCAR

245250S

1134020E

VAR 0 DEG W

CERT

AD OPR Shire of Carnarvon, PO Box 459, Carnarvon, WA, 6701.

Email: airport@carnarvon.wa.gov.au. ARO 08 9941 4135:

0419 041 723. Council PH 08 9941 0000.

**REMARKS**

1. AD Charges: All ACFT - Copy of charges AVBL from AD Supervisor.
2. This AD is a Security Controlled Airport.
3. High VIS clothing to be worn on APN.
4. Terminal only open one hour prior to RPT flights.

## HANDLING SERVICES AND FACILITIES

World Fuel Services (WFS): 0800-1700 Local MON-FRI, PH 0418 911 465 (H24) or email: carnarvon@uafuel.com.au. H24 AVGAS bowser WFS cardswipe and credit card (via smartphone APP), AVGAS tanker, JET A1 tanker, PN essential.  
AIR BP: 2300-1000 UTC JO, AH 60MIN PN. Call-out fee applies AH. MOB 0429 923 227, JET A1, AVGAS H24 card bowser.

Gascoyne Airport Services (baggage handling) - email: cpfletcher37@gmail.com.

## PASSENGER FACILITIES

WC (AVBL H24 at rear of terminal)/TX Carnarvon Taxi Service phone 131 008 and Valli Taxis phone 0413 312 665. Mobile phone coverage by Optus and Telstra.

## AERODROME OBSTACLES

1. Levee banks 1,244M from SOT RWY 18 and 1,723M from SOT RWY 22.
2. Unlit radio mast 142FT 347 DEG MAG 920M FM ARP.
3. Lit mast 182FT AMSL BRG 359 DEG MAG 866M FM ARP. Infringes inner HZS by 29.5FT.
4. Unlit tank 85.3FT AGL BRG 236 DEG MAG 0.76NM FM ARP. Infringes transitional SFC by 6FT.

## METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT D, METAR/SPECI.
2. AWIS Phone 08 6216 2605 - Report faults to BoM.
3. AWIS FREQ 126.45 - Report faults to AD OPR.

## PHYSICAL CHARACTERISTICS

|       |     |     |                                           |        |         |
|-------|-----|-----|-------------------------------------------|--------|---------|
| 04/22 | 044 | 53a | PCN 7 /F /C /840 (122PSI) /U Sealed       | WID 30 | RWS 150 |
| 18/36 | 180 | 37a | PCN 13 /F /A /5700/700 (102PSI) /U Sealed | WID 30 | RWS 90  |

## AERODROME AND APPROACH LIGHTING

|           |      |                |               |
|-----------|------|----------------|---------------|
| RWY 04/22 | LIRL | AFRU+PAL 126.7 | SDBY PWR AVBL |
|-----------|------|----------------|---------------|

RWY edge light spacing: 04/22: 60M.

## OTHER LIGHTING

1. SDBY PWR switchover time: 10 SEC.
2. TWY LGT: Blue edge.
3. APN lighting - all bays: not compliant to MOS 139 for night OPS.

## ATS AND AERODROME COMMUNICATION FACILITIES

|     |                  |                 |
|-----|------------------|-----------------|
| FIA | MELBOURNE CENTRE | 122.1 On ground |
|-----|------------------|-----------------|

## RADIO NAVIGATION AND LANDING AIDS

|     |     |            |           |            |                   |     |
|-----|-----|------------|-----------|------------|-------------------|-----|
| DME | CAR | 113.0/ 77X | 245255.3S | 1134022.9E | Range 120 (HN 85) | (1) |
| NDB | CAR | 323        | 245312.3S | 1134009.2E |                   |     |
| VOR | CAR | 113.0      | 245255.3S | 1134022.4E |                   |     |

(1) Antenna ELEV 34FT.

Monitored by ML.

## LOCAL TRAFFIC REGULATIONS

1. All ACFT greater than 5,700KG must turn at RWY THR.
2. ACFT ABV 5,700KG are permitted to taxi via RWY 18/36 to access TWY B with prior approval.

## HELICOPTER OPERATIONS

- a. Departures/Arrivals
  - (i) During DEP HEL are to air taxi onto TWY for DEP on the RWY. DEP turns tracking toward the east only to be executed once clear of the circuit. No DEP to the east across the RWY should be executed.
  - (ii) Due to possible shielding effects FM ACFT hangars along south western edge of the general aviation APN, HEL TFC is to adhere to unmanned airfield PROC during ARR and DEP. The circuit is to be joined as per these PROC for the RWY to be used.
  - (iii) Skid mounted HEL not permitted on RPT apron.

**CTAF - AFRU 126.7**

**ADDITIONAL INFORMATION**

1. HEL OPS in VCY.
2. Bird hazard exists HJ, flock of corellas on RWY 04/22 and RWY 18/36.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3346.
2. Also refer to AIP Departure and Approach Procedures.

**CAROSUE DAM****ELEV 1291****AVFAX CODE 6117**

WA

UTC +8

YSCD

301025S

1221920E

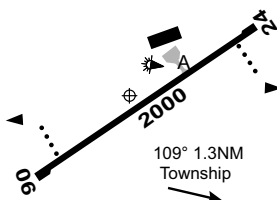
VAR 1 DEG E

CERT

AD OPR Northern Star (Carosue Dam) Pty Ltd, Level 1, 388 Hay Street, Subiaco, WA, 6008.

Email: aerodromecarosuedam@nsrltd.com. PH 08 6188 2100. ARO 08 6229 9014.

ARO AH 0477 516 011.

**REMARKS**

1. PPR from AD OPR.
2. Parking by prior arrangement with AD OPR.

**HANDLING SERVICES AND FACILITIES**

Nil fuel AVBL.

**PASSENGER FACILITIES**

Passenger terminal/WC.

**PHYSICAL CHARACTERISTICS**

06/24 061 66a PCN 27 /F/B/1076 (156PSI) /T Sealed WID 30 RWS 150

**AERODROME AND APPROACH LIGHTING**

RWY 06/24 PAPI(2) 3.0 DEG 48.5FT BY PRIOR ARRANGEMENT

RWY 06/24 PTBL(1) BY PRIOR ARRANGEMENT

- (1) EMERG lighting AVBL with 120 MIN PN to ARO.
- (2) Left side only. Manual activation of PAPI AVBL with 30MIN PN. HJ only.

**OTHER LIGHTING**

1. RWY edge light spacing: 06/24: 87M (PTBL).
2. No mains PWR AVBL - PAPI PWR supplied by generators.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 125.75

UNICOM CAROSUE DAM UNICOM 126.7

**LOCAL TRAFFIC REGULATIONS**

1. All ACFT to follow APN markings.
2. All fixed wing ACFT must make MAX RAD turns at MNM speed at all RWY ends to avoid SFC damage.
3. All fixed wing ACFT to use idle power for movements on the APN with the exception of breakaway thrust to initiate taxi. ACFT that cannot comply with this restriction must advise the AD OPR prior to departure.
4. Day OPS only EXC for EMERG.

**CTAF - AFRU 126.7**

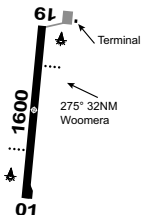
CHARTS RELATED TO THE AERODROME

1. WAC 3352.
2. Also refer to AIP Departure and Approach Procedures.

CARRAPATEENA

ELEV 672

AVFAX CODE 5107



6L  
Terminal  
275° 32NM  
Woomera  
1600  
01

SA  
311830S  
1372636E  
AD OPR OZ Minerals Carrapateena Pty Ltd, 2 Hamra Drive, Adelaide Airport, SA, 5950. Email: robert.stack@ozminerals.com. PH 0428 067 362.

UTC +9:30  
VAR 7 DEG E  
YCPT  
CERT

REMARKS  
1. H24: Operating hours.  
2. Restricted OPS, permission RQ.

PHYSICAL CHARACTERISTICS

01/1900752aPCN 26 /F /C /1140 (165PSI) /T Sealed

WID 30RWS 150

AERODROME AND APPROACH LIGHTING

RWY 01/19LIRLAFRU+PAL 125.85

RWY 01/19PAPI(1)AFRU+PAL 125.853.0 DEG42FT

(1) Left side only.

SDBY PWR AVBLSDBY PWR AVBL

OTHER LIGHTING

1. RWY edge light spacing: 60M.
2. TWY LGT: Blue edge.
3. SDBY PWR switchover time: 15 SEC.

ATS AND AERODROME COMMUNICATION FACILITIES

FIAMELBOURNE CENTRE122.0

CTAF - AFRU 125.85

CHARTS RELATED TO THE AERODROME

1. WAC 3354.
2. Also refer to AIP Departure and Approach Procedures.

CASINO

ELEV 86

AVFAX CODE 2027

FULL NOTAM SERVICE NOT AVBL

NSW  
285258S1530401E  
AD OPR Richmond Valley Council, Locked Bag 10, Casino, NSW, 2470. PH 02 6660 0300 H24. Fax 02 6660 1300. Website: www.richmondvalley.nsw.gov.au.

UTC +10  
VAR 11 DEG E  
YCAS  
UNCR



10GLIDING OPS28

REMARKS  
AD charges: all ACFT - see website.

HANDLING SERVICES AND FACILITIES  
World Fuel Services (WFS): H24 AVGAS bowser WFS card swipe and credit card (via smart phone APP) PH: 0422 441 277 (H24) or email: lismorejeta1@gmail.com.

METEOROLOGICAL INFORMATION PROVIDED  
1. METAR/SPECI.  
2. AWIS - PH 02 9353 6409 - Report faults to BoM.

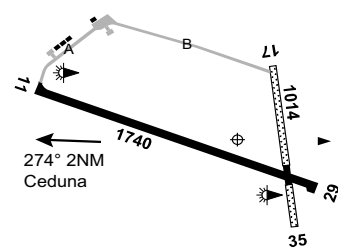




CEDUNA

ELEV 77

AVFAX CODE 5301



SA  
320750S  
AD OPR District Council of Ceduna, PO Box 175, Ceduna,  
SA, 5690. PH EMERG CTC ARO 0419 862 195 or  
AD MGR 0417 535 237.

UTC +9:30  
VAR 6 DEG E

YCDU  
CERT

- REMARKS**
- 1. AD Charges: All ACFT.
  - 2. This AD is a Security Controlled Airport.

**HANDLING SERVICES AND FACILITIES**

Air BP: AVGAS and JET A1 H24 Air BP Carnet Card Swipe Bowser(s). Assisted refuelling AVBL 0700-1530 Local MON-FRI. Assisted refuelling AVBL only with 24HR PN during BH. Call-out fees apply. CTC ARO.

**AERODROME OBSTACLES**

Lit mast 306FT AMSL BRG 113 MAG 2.67NM FM ARP.

**METEOROLOGICAL INFORMATION PROVIDED**

- 1. TAF CAT D, METAR/SPECI.
- 2. AWIS - Phone 08 8150 3801 Report faults to BoM.

**PHYSICAL CHARACTERISTICS**

|       |     |     |                                          |        |         |
|-------|-----|-----|------------------------------------------|--------|---------|
| 11/29 | 105 | 57a | PCN 10 / F / A / 750 (109PSI) / T Sealed | WID 30 | RWS 150 |
| 17/35 | 168 | 33c | 520 (75PSI) Unrated. MAX 5,700KG. Gravel | WID 30 | RWS 90  |

**AERODROME AND APPROACH LIGHTING**

RWY 11/29 LIRL AFRU+PAL 126.7 SDBY PWR AVBL

RWY 11/29 PTBL(1) BY PRIOR ARRANGEMENT

RWY 17/35 PTBL(1) BY PRIOR ARRANGEMENT

(1) EMERG only. 90MIN PN.

RWY edge light spacing: 11/29: 86M.

**OTHER LIGHTING**

- 1. Secondary PWR switchover time: 15 SEC.
- 2. TWY LGT: Blue edge on A.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 123.5 On ground

**RADIO NAVIGATION AND LANDING AIDS**

NDB CDU 293 320735.6S 1334337.0E Range 110 (HN 85) OW (1)

230 (OW HN110)

- (1) 250/0.9 to ARP.

**LOCAL TRAFFIC REGULATIONS**

PRKG Restrictions for non RPT ACFT on sealed apron area (permit obtainable FM AD Manager on at least 48 HR PN).

**CTAF - AFRU 126.7**

**ADDITIONAL INFORMATION**

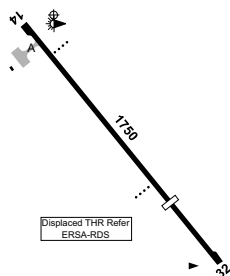
- 1. Bird hazard exists, particularly BTN August-February.
- 2. Weather balloon launch APRX 2315 UTC. Launches may occur at other times.

**CHARTS RELATED TO THE AERODROME**

- 1. WAC 3459.
- 2. Also refer to AIP Departure and Approach Procedures.

# **CENTURY MINE**

## **AVFAX CODE 4542**

**ELEV 416**

QLD 184512S 1384224E UTC +10 YCNY  
 VAR 5 DEG E CERT  
 AD OPR Century Mining Ltd, LVL 4, 360 Collins Street, Melbourne, VIC,  
 3000. ARO 0477 347 998.

### **REMARKS**

1. Restricted OPS. PPR for all OPS.
2. Hours of AD operation - HJ only (0600-1800 Local), 60 MIN PN.  
EMERG use only HN (1800-0600 Local).

### **APRONS AND TAXIWAYS**

TWY A - Code C, WID 17.5M sealed

### **AERODROME OBSTACLES**

1. Terrain penetration of inner HZS to 715FT AMSL BTN BRG 275 MAG to BRG 165 MAG, 1.67NM to 2.26NM FM ARP.
2. Fence 6FT AGL, APRX 75M FM RWY centreline infringes 14.3% TNS to both sides by 6FT.
3. MIOL:
  - a. 656FT AMSL, BRG 141 MAG 2.12NM FM ARP. Infringes inner HZS by 93FT.
  - b. 735FT AMSL, BRG 142 MAG 2.36NM FM ARP. Infringes inner HZS by 171FT.

### **METEOROLOGICAL INFORMATION PROVIDED**

1. METAR/SPECI.
2. AWIS Phone 07 3564 3709 - Report faults to BoM.
3. AWIS FREQ 135.6 - Report faults to AD OPR.

### **PHYSICAL CHARACTERISTICS**

14/32 136 57a PCN 20 / F / B / 1200 (174PSI) / T Sealed WID 30 RWS 150

### **AERODROME AND APPROACH LIGHTING**

RWY 14/32 LIRL(1) SDBY PWR AVBL  
 RWY 14/32 PAPI(2) 3.0 DEG46FT SDBY PWR AVBL  
 RWY 14/32 PTBL(3) BY PRIOR ARRANGEMENT

- (1) EMERG only. Manual activation - 60MIN PN.
- (2) Left side. Manual activation - 60MIN PN.
- (3) EMERG only. 60MIN PN.
1. RWY edge light spacing: 14/32: 90M.
2. Main power supply serviced by Aerodrome generator.

### **OTHER LIGHTING**

1. TWY LGT: Blue edge EMERG only. Manual activation - 60MIN PN.
2. MIOL - Hills on SE approach.

### **ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 125.7 9500FT

### **FLIGHT PROCEDURES**

Right hand circuits when OPR RWY 32.

**CTAF - AFRU 126.7**

### **ADDITIONAL INFORMATION**

Bird Hazard (Kites).

### **CHARTS RELATED TO THE AERODROME**

1. WAC 3220.
2. Also refer to AIP Departure and Approach Procedures.

CESSNOCK

ELEV 210

AVFAX CODE 2021

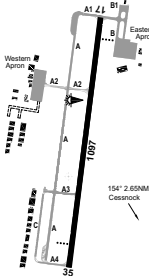


Diagram of Cessnock Airport layout showing runways, taxiways, and aprons. The diagram includes labels for Runway 17/35, Taxiway A, Taxiway B, Taxiway C, Taxiway D, Taxiway E, Taxiway F, Taxiway G, Taxiway H, Taxiway I, Taxiway J, Taxiway K, Taxiway L, Taxiway M, Taxiway N, Taxiway O, Taxiway P, Taxiway Q, Taxiway R, Taxiway S, Taxiway T, Taxiway U, Taxiway V, Taxiway W, Taxiway X, Taxiway Y, Taxiway Z, Taxiway AA, Taxiway AB, Taxiway AC, Taxiway AD, Taxiway AE, Taxiway AF, Taxiway AG, Taxiway AH, Taxiway AI, Taxiway AJ, Taxiway AK, Taxiway AL, Taxiway AM, Taxiway AN, Taxiway AO, Taxiway AP, Taxiway AQ, Taxiway AR, Taxiway AS, Taxiway AT, Taxiway AU, Taxiway AV, Taxiway AW, Taxiway AX, Taxiway AY, Taxiway AZ, Taxiway BA, Taxiway BB, Taxiway BC, Taxiway BD, Taxiway BE, Taxiway BF, Taxiway BG, Taxiway BH, Taxiway BI, Taxiway BJ, Taxiway BK, Taxiway BL, Taxiway BM, Taxiway BN, Taxiway BO, Taxiway BP, Taxiway BQ, Taxiway BR, Taxiway BS, Taxiway BT, Taxiway BU, Taxiway BV, Taxiway BW, Taxiway BX, Taxiway BY, Taxiway BZ, Taxiway CA, Taxiway CB, Taxiway CC, Taxiway CD, Taxiway CE, Taxiway CF, Taxiway CG, Taxiway CH, Taxiway CI, Taxiway CJ, Taxiway CK, Taxiway CL, Taxiway CM, Taxiway CN, Taxiway CO, Taxiway CP, Taxiway CQ, Taxiway CR, Taxiway CS, Taxiway CT, Taxiway CU, Taxiway CV, Taxiway CW, Taxiway CX, Taxiway CY, Taxiway CZ, Taxiway DA, Taxiway DB, Taxiway DC, Taxiway DD, Taxiway DE, Taxiway DF, Taxiway DG, Taxiway DH, Taxiway DI, Taxiway DJ, Taxiway DK, Taxiway DL, Taxiway DM, Taxiway DN, Taxiway DO, Taxiway DP, Taxiway DQ, Taxiway DR, Taxiway DS, Taxiway DT, Taxiway DU, Taxiway DV, Taxiway DW, Taxiway DX, Taxiway DY, Taxiway DZ, Taxiway EA, Taxiway EB, Taxiway EC, Taxiway ED, Taxiway EE, Taxiway EF, Taxiway EG, Taxiway EH, Taxiway EI, Taxiway EJ, Taxiway EK, Taxiway EL, Taxiway EM, Taxiway EN, Taxiway EO, Taxiway EP, Taxiway EQ, Taxiway ER, Taxiway ES, Taxiway ET, Taxiway EU, Taxiway EV, Taxiway EW, Taxiway EX, Taxiway EY, Taxiway EZ, Taxiway FA, Taxiway FB, Taxiway FC, Taxiway FD, Taxiway FE, Taxiway FF, Taxiway FG, Taxiway FH, Taxiway FI, Taxiway FJ, Taxiway FK, Taxiway FL, Taxiway FM, Taxiway FN, Taxiway FO, Taxiway FP, Taxiway FQ, Taxiway FR, Taxiway FS, Taxiway FT, Taxiway FU, Taxiway FV, Taxiway FW, Taxiway FX, Taxiway FY, Taxiway FZ, Taxiway GA, Taxiway GB, Taxiway GC, Taxiway GD, Taxiway GE, Taxiway GF, Taxiway GG, Taxiway GH, Taxiway GI, Taxiway GJ, Taxiway GK, Taxiway GL, Taxiway GM, Taxiway GN, Taxiway GO, Taxiway GP, Taxiway GQ, Taxiway GR, Taxiway GS, Taxiway GT, Taxiway GU, Taxiway GV, Taxiway GW, Taxiway GX, Taxiway GY, Taxiway GZ, Taxiway HA, Taxiway HB, Taxiway HC, Taxiway HD, Taxiway HE, Taxiway HF, Taxiway HG, Taxiway HH, Taxiway HI, Taxiway HJ, Taxiway HK, Taxiway HL, Taxiway HM, Taxiway HN, Taxiway HO, Taxiway HP, Taxiway HQ, Taxiway HR, Taxiway HS, Taxiway HT, Taxiway HU, Taxiway HV, Taxiway HW, Taxiway HX, Taxiway HY, Taxiway HZ, Taxiway IA, Taxiway IB, Taxiway IC, Taxiway ID, Taxiway IE, Taxiway IF, Taxiway IG, Taxiway IH, Taxiway II, Taxiway IJ, Taxiway IK, Taxiway IL, Taxiway IM, Taxiway IN, Taxiway IO, Taxiway IP, Taxiway IQ, Taxiway IR, Taxiway IS, Taxiway IT, Taxiway IU, Taxiway IV, Taxiway IW, Taxiway IX, Taxiway IY, Taxiway IZ, Taxiway JA, Taxiway JB, Taxiway JC, Taxiway JD, Taxiway JE, Taxiway JF, Taxiway JG, Taxiway JH, Taxiway JI, Taxiway JJ, Taxiway JK, Taxiway JL, Taxiway JM, Taxiway JN, Taxiway JO, Taxiway JP, Taxiway JQ, Taxiway JR, Taxiway JS, Taxiway JT, Taxiway JU, Taxiway JV, Taxiway JW, Taxiway JX, Taxiway JY, Taxiway JZ, Taxiway KA, Taxiway KB, Taxiway KC, Taxiway KD, Taxiway KE, Taxiway KF, Taxiway KG, Taxiway KH, Taxiway KI, Taxiway KJ, Taxiway KK, Taxiway KL, Taxiway KM, Taxiway KN, Taxiway KO, Taxiway KP, Taxiway KQ, Taxiway KR, Taxiway KS, Taxiway KT, Taxiway KU, Taxiway KV, Taxiway KW, Taxiway KX, Taxiway KY, Taxiway KZ, Taxiway LA, Taxiway LB, Taxiway LC, Taxiway LD, Taxiway LE, Taxiway LF, Taxiway LG, Taxiway LH, Taxiway LI, Taxiway LJ, Taxiway LK, Taxiway LL, Taxiway LM, Taxiway LN, Taxiway LO, Taxiway LP, Taxiway LQ, Taxiway LR, Taxiway LS, Taxiway LT, Taxiway LU, Taxiway LV, Taxiway LW, Taxiway LX, Taxiway LY, Taxiway LZ, Taxiway MA, Taxiway MB, Taxiway MC, Taxiway MD, Taxiway ME, Taxiway MF, Taxiway MG, Taxiway MH, Taxiway MI, Taxiway MJ, Taxiway MK, Taxiway ML, Taxiway MM, Taxiway MN, Taxiway MO, Taxiway MP, Taxiway MQ, Taxiway MR, Taxiway MS, Taxiway MT, Taxiway MU, Taxiway MV, Taxiway MW, Taxiway MX, Taxiway MY, Taxiway MZ, Taxiway NA, Taxiway NB, Taxiway NC, Taxiway ND, Taxiway NE, Taxiway NF, Taxiway NG, Taxiway NH, Taxiway NI, Taxiway NJ, Taxiway NK, Taxiway NL, Taxiway NM, Taxiway NN, Taxiway NO, Taxiway NP, Taxiway NQ, Taxiway NR, Taxiway NS, Taxiway NT, Taxiway NU, Taxiway NV, Taxiway NW, Taxiway NX, Taxiway NY, Taxiway NZ, Taxiway OA, Taxiway OB, Taxiway OC, Taxiway OD, Taxiway OE, Taxiway OF, Taxiway OG, Taxiway OH, Taxiway OI, Taxiway OJ, Taxiway OK, Taxiway OL, Taxiway OM, Taxiway ON, Taxiway OO, Taxiway OP, Taxiway OQ, Taxiway OR, Taxiway OS, Taxiway OT, Taxiway OU, Taxiway OV, Taxiway OW, Taxiway OX, Taxiway OY, Taxiway OZ, Taxiway PA, Taxiway PB, Taxiway PC, Taxiway PD, Taxiway PE, Taxiway PF, Taxiway PG, Taxiway PH, Taxiway PI, Taxiway PJ, Taxiway PK, Taxiway PL, Taxiway PM, Taxiway PN, Taxiway PO, Taxiway PP, Taxiway PQ, Taxiway PR, Taxiway PS, Taxiway PT, Taxiway PU, Taxiway PV, Taxiway PW, Taxiway PX, Taxiway PY, Taxiway PZ, Taxiway QA, Taxiway QB, Taxiway QC, Taxiway QD, Taxiway QE, Taxiway QF, Taxiway QG, Taxiway QH, Taxiway QI, Taxiway QJ, Taxiway QK, Taxiway QL, Taxiway QM, Taxiway QN, Taxiway QO, Taxiway QP, Taxiway QQ, Taxiway QR, Taxiway QS, Taxiway QT, Taxiway QU, Taxiway QV, Taxiway QW, Taxiway QX, Taxiway QY, Taxiway QZ, Taxiway RA, Taxiway RB, Taxiway RC, Taxiway RD, Taxiway RE, Taxiway RF, Taxiway RG, Taxiway RH, Taxiway RI, Taxiway RJ, Taxiway RK, Taxiway RL, Taxiway RM, Taxiway RN, Taxiway RO, Taxiway RP, Taxiway RQ, Taxiway RR, Taxiway RS, Taxiway RT, Taxiway RU, Taxiway RV, Taxiway RW, Taxiway RX, Taxiway RY, Taxiway RZ, Taxiway SA, Taxiway SB, Taxiway SC, Taxiway SD, Taxiway SE, Taxiway SF, Taxiway SG, Taxiway SH, Taxiway SI, Taxiway SJ, Taxiway SK, Taxiway SL, Taxiway SM, Taxiway SN, Taxiway SO, Taxiway SP, Taxiway SQ, Taxiway SR, Taxiway SS, Taxiway ST, Taxiway SU, Taxiway SV, Taxiway SW, Taxiway SX, Taxiway SY, Taxiway SZ, Taxiway TA, Taxiway TB, Taxiway TC, Taxiway TD, Taxiway TE, Taxiway TF, Taxiway TG, Taxiway TH, Taxiway TI, Taxiway TJ, Taxiway TK, Taxiway TL, Taxiway TM, Taxiway TN, Taxiway TO, Taxiway TP, Taxiway TQ, Taxiway TR, Taxiway TS, Taxiway TT, Taxiway TU, Taxiway TV, Taxiway TW, Taxiway TX, Taxiway TY, Taxiway TZ, Taxiway UA, Taxiway UB, Taxiway UC, Taxiway UD, Taxiway UE, Taxiway UF, Taxiway UG, Taxiway UH, Taxiway UI, Taxiway UJ, Taxiway UK, Taxiway UL, Taxiway UM, Taxiway UN, Taxiway UO, Taxiway UP, Taxiway UQ, Taxiway UR, Taxiway US, Taxiway UT, Taxiway UY, Taxiway UZ, Taxiway VA, Taxiway VB, Taxiway VC, Taxiway VD, Taxiway VE, Taxiway VF, Taxiway VG, Taxiway VH, Taxiway VI, Taxiway VJ, Taxiway VK, Taxiway VL, Taxiway VM, Taxiway VN, Taxiway VO, Taxiway VP, Taxiway VQ, Taxiway VR, Taxiway VS, Taxiway VT, Taxiway VY, Taxiway VZ, Taxiway WA, Taxiway WB, Taxiway WC, Taxiway WD, Taxiway WE, Taxiway WF, Taxiway WG, Taxiway WH, Taxiway WI, Taxiway WJ, Taxiway WK, Taxiway WL, Taxiway WM, Taxiway WN, Taxiway WO, Taxiway WP, Taxiway WQ, Taxiway WR, Taxiway WS, Taxiway WT, Taxiway WY, Taxiway WZ, Taxiway XA, Taxiway XB, Taxiway XC, Taxiway XD, Taxiway XE, Taxiway XF, Taxiway XG, Taxiway XH, Taxiway XI, Taxiway XJ, Taxiway XK, Taxiway XL, Taxiway XM, Taxiway XN, Taxiway XO, Taxiway XP, Taxiway XQ, Taxiway XR, Taxiway XS, Taxiway XT, Taxiway XU, Taxiway XV, Taxiway XW, Taxiway XX, Taxiway XY, Taxiway XZ, Taxiway YA, Taxiway YB, Taxiway YC, Taxiway YD, Taxiway YE, Taxiway YF, Taxiway YG, Taxiway YH, Taxiway YI, Taxiway YJ, Taxiway YK, Taxiway YL, Taxiway YM, Taxiway YN, Taxiway YO, Taxiway YP, Taxiway YQ, Taxiway YR, Taxiway YS, Taxiway YT, Taxiway YZ, Taxiway ZA, Taxiway ZB, Taxiway ZC, Taxiway ZD, Taxiway ZE, Taxiway ZF, Taxiway ZG, Taxiway ZH, Taxiway ZI, Taxiway ZJ, Taxiway ZK, Taxiway ZL, Taxiway ZM, Taxiway ZN, Taxiway ZO, Taxiway ZP, Taxiway ZQ, Taxiway ZR, Taxiway ZS, Taxiway ZT, Taxiway ZY, Taxiway ZZ

NSW  
324710S  
AD OPR Cessnock City Council, PO Box 152, Cessnock, NSW, 2325.  
Email: [airport@cessnock.nsw.gov.au](mailto:airport@cessnock.nsw.gov.au). PH H24 02 4993 4228.  
Website: [www.cessnock.nsw.gov.au](http://www.cessnock.nsw.gov.au).

UTC +10  
VAR 12 DEG E

YCNK  
CERT

REMARKS

- AD Charges: Refer website.
- Security cameras OPR H24.

PASSENGER FACILITIES

Accommodation not AVBL or permitted at AD.

HANDLING SERVICES AND FACILITIES

Skyfuel: H24 AVGAS and JET A1 self-service browsers accept V, MC and Skyfuel carnet card.

Phone 0418 862 100 or 0417 780 280. Refer to [www.skyfuel.com.au](http://www.skyfuel.com.au) for site orientation.

LAME: Murray's Air Repair, Phone 02 4991 2323 Mobile 0428 431 193.

LAME: DL Avionics, Phone 0402 487 131.

LAME: Hunter Aerospace, Phone 02 4932 0000.

APRONS AND TAXIWAYS

Limited to Code A and B ACFT.

AERODROME OBSTACLES

Radio communication TWR 115FT AGL BRG 149 DEG MAG 3.14NM FM ARP.

METEOROLOGICAL INFORMATION PROVIDED

- METAR/SPECI.
- AWIS FREQ 134.050 (requires one-second pulse to activate) - Report faults to AD OPR.
- AWIS Phone 02 9353 6410 - Report faults to BoM.

PHYSICAL CHARACTERISTICS

17/35      176   36a   PCN 20 /F /B /861 (125PSI) /U      WID 23    RWS 90

AERODROME AND APPROACH LIGHTING

|           |         |              |                              |
|-----------|---------|--------------|------------------------------|
| RWY 17/35 | LIRL    | PAL+AA 119.6 | SDBY PWR AVBL                |
| RWY 17/35 | PAPI(1) | PAL+AA 119.6 | 3.0 DEG29FT    SDBY PWR AVBL |

(1) Left side.

- RWY 17/35 edge light spacing: 60M, 3M FM RWY edge.
- THR lights: green and red.
- HJ selection of PAL will only activate PAPI. RWY LGT will OPR only when poor light levels exist.

OTHER LIGHTING

- OBST lights: Illuminated WDI, weather station, fuel area, Hangar East and Hangar Wirraway.
- SDBY PWR changeover time 30 SEC.
- TWY A blue edge markers.
- TWY B LGT: Blue edge.
- East APN and fuel area lit.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA      BRISBANE CENTRE      125.7 Circuit area

## LOCAL TRAFFIC REGULATIONS

1. Circuit training restricted BTN 0800-2200 Local.
2. Back tracking on the RWY is not permitted during daylight hours unless Outer Main Gear Wheel Span (OMGWS) is greater than 4.5M.
3. Overnight PRKG by prior arrangement only.
4. Eastern APN PRKG is hard stand only.
5. Fixed wing grass take off and landings are not permitted.

## FLIGHT PROCEDURES

1. Right hand circuits RQ RWY 35 HN (left hand circuits daylight HR).
2. Preferred RWY 35 nil or LV wind or direct crosswind.
3. Circuit OPS to be conducted WI 2NM RAD due to terrain and noise abatement.
4. Pilots should limit radio transmissions in the circuit to those necessary to provide traffic information and separation. Broadcast with intentions turning base is recommended.

## HELICOPTER OPERATIONS

- a. HEL circuit operations at 500FT AAL.
  - b. HEL operations FM Eastern Apron.
  - c. HEL training SW corner of AD.
6. Ultralight circuit operations at 500FT AAL.

**CTAF** 122.65

## ADDITIONAL INFORMATION

Wildlife hazard (kangaroos) exists at dusk and dawn.

## CHARTS RELATED TO THE AERODROME

1. WAC 3456.
2. Also refer to AIP Departure and Approach Procedures.

## CHARLEVILLE

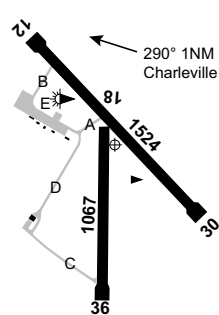
**ELEV 1003**

## AVFAX CODE 4102

QLD  
262448S 1461545E UTC +10 YBCV  
1461545E VAR 9 DEG E CERT  
AD OPR Murweh Shire Council, PO Box 63, Charleville, QLD, 4470.  
PH 07 4656 8355. PH AH 0409 343 633.

## REMARKS

1. AD Charges: All ACFT.
2. This AD is a Security Controlled Airport.



## HANDLING SERVICES AND FACILITIES

VIVA Energy: South West Air Service Pty Ltd 2200-0700 UTC. Phone 07 4654 3033, Email: fuel@swas.net.au, VHF UNICOM 126.7. AVGAS card swipe bowser 24HR.  
JET A1 mobile refueller - AH 12HR PN required and call-out fee may apply. VIVA Fuel2Sky Card, global carnet, V and MC. Aeroshell Oils also AVBL.  
LAME - H24. Western QLD Air Maintenance. Phone 07 4654 3030, AH 4654 3186.

## PASSENGER FACILITIES

PT (local calls only)/LG/TX/RF (Cafe 2200-0700 UTC DLY)/WC/AC/HC/Free Internet access.  
AVBL HJ with confirmation on UNICOM.

## AERODROME OBSTACLES

1. LIOL - mast 262458.82S 146120.36E, 1,507FT.
2. Unlit mast 1,260FT AMSL APRX BRG 285 MAG 2.4NM FM ARP.
3. Lit digital TV TWR 262424.00S 1461624.00E, 98FT AGL.

METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT C, METAR/SPECI.
2. AWIS - Phone 07 3564 3710 - Report faults to BoM.

PHYSICAL CHARACTERISTICS

12/3012850aPCN 19 /F /A /1500 (218PSI) /T Sealed

18/3617335aPCN 9 /F /A /800 (116PSI) /T Sealed

WID 30RWS 150

WID 23RWS 90

AERODROME AND APPROACH LIGHTING

- RWY 12/30LIRLAFRU+PAL 119.6SDBY PWR AVBL
1. RWY edge light spacing: 12/30: 90M.
2. RWY LGT EMERG solar flares RWY 18/36 for use by RFDS ACFT only.

OTHER LIGHTING

1. Secondary PWR switchover time: 15 SEC.
2. TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

FIABRISBANE CENTRE124.8 On ground

UNICOMCHARLEVILLE UNICOM126.7 (1)

(1) CS "South West Air Base". Also AVBL on UHF Channel 3.

RADIO NAVIGATION AND LANDING AIDS

NDB CV 269262512.1S1461456.4ERange 110 (HN 85)(1)

(1) 062/0.8 TO ARP.

LOCAL TRAFFIC REGULATIONS

1. TWY B not AVBL to ACFT ABV 20,000KG MTOW.
2. TWY C and D not AVBL to ACFT ABV 7,500KG MTOW.
3. APN taxilane north west section not AVBL to ACFT ABV 20,000KG.

CTAF 126.7

ADDITIONAL INFORMATION

1. Bird and animal hazard exists.
2. Weather balloon launch APRX 2315 UTC FM 660 W ARP. Launches may occur at other times.

CHARTS RELATED TO THE AERODROME

1. WAC 3341.
2. Also refer to AIP Departure and Approach Procedures.

CHARLIE ONE

AVFAX CODE 6819

WA1172442E

UTC +8VAR 1 DEG E

YCLNUNCR

METEOROLOGICAL INFORMATION PROVIDED

WATIR 135.85 - Report faults to AD OPR.

ATS AND AERODROME COMMUNICATION FACILITIES

FIAMELBOURNE CENTRE122.4

ATISKARRATHA ATIS134.55

TWRKARRATHA TOWER127.35

CTAF 127.35

CHARTS RELATED TO THE AERODROME

1. WAC 3229.
2. Also refer to AIP Departure and Approach Procedures.

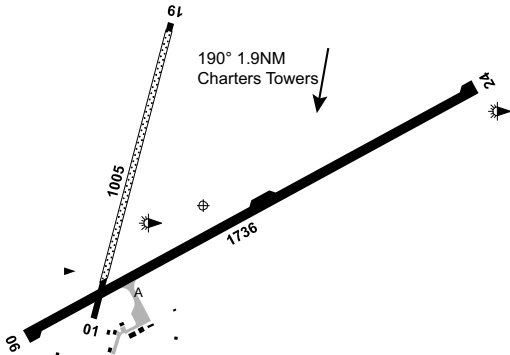
CHARTERS TOWERS

ELEV 955

AVFAX CODE 4411

QLD  
200237S  
AD OPR Charters Towers Regional Council, PO Box 189, Charters Towers, QLD, 4820.  
Email: facilities@charterstowers.qld.gov.au. ARO 0428 440 143.

1461620E  
UTC +10  
VAR 7 DEG E  
YCHT  
CERT



REMARKS

AD Charges: \$10.00 inc. GST/tonne/landing.

HANDLING SERVICES AND FACILITIES

Fuel supplied by IOR Aviation Pty Ltd. JET A1 and AVGAS 100LL AVBL H24 self-serve bowser.  
Payment method via IOR Aviation tag for account holders or via the Fuelcharge APP.  
PH 1300 457 467. Drums and drum filling AVBL H24 DLY - call out fees apply. Contact Ben Beatie 0490 114 711.

PASSENGER FACILITIES

PT/TX/HC/AC/LG/RF/WC/ME.

AERODROME OBSTACLES

1.

Group of TWR on hill is APRX 1,484FT AMSL BTN BRG 194.4 and 196.1 DEG MAG 3NM FM ARP and infringes conical SFC up to 393FT.

2.

Lit TWR 1,190FT AMSL APRX 4,070M SOT 51M right of RWY CL infringes TKOF SFC by 99FT.

3.

IWI located 95M SE of RWY 24 THR infringes TNS by 9FT.

PHYSICAL CHARACTERISTICS

|       |     |     |                                                        |               |
|-------|-----|-----|--------------------------------------------------------|---------------|
| 01/19 | 008 | 33c | PCN 6 / F / A /350 (51PSI) /U THR bitumen seal, WID 23 | RWS 60        |
|       |     |     | remainder gravel.                                      |               |
| 06/24 | 054 | 57a | PCN 8 / F / B /830 (120PSI) /T                         | WID 30 RWS 90 |

AERODROME AND APPROACH LIGHTING

RWY 06/24

LIRL

AFRU+PAL 126.7

SDBY PWR AVBL

RWY edge light spacing: 06/24: 60M.

OTHER LIGHTING

1.

Secondary PWR switchover time: 15 SEC.

2.

TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

BRISBANE CENTRE

120.55 Circuit area

LOCAL TRAFFIC REGULATIONS

1.

Due to the grades on RWY 06/24, the opposite ends of the RWY are not visible when TKOF. Mandatory CTAF BCST RQ before OPR on RWY.

2.

From the TWY holding point, ACFT at THR RWY 24 may not be visible.

CTAF - AFRU 126.7

**ADDITIONAL INFORMATION**

1. Bird and animal hazard exists.
2. Gliding OPS HJ JF - Winch launched to 3,000FT. Glider OPS conducted from RWS, N side of RWY 06/24.
3. Model ACFT OPR within the AD locality.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3234.
2. Also refer to AIP Departure and Approach Procedures.

**CHILLAGOE****ELEV 1123****AVFAX CODE 4512**

QLD

170827S

1443142E

UTC +10

VAR 6 DEG E

YCGO

CERT

AD OPR Mareeba Shire Council, PO Box 154, Mareeba, QLD, 4880.

Email: aerodromes@msc.qld.gov.au. PH 1300 308 461. ARO 0417 774 633:

LOCAL CTC/EMERG 0417 774 633. Fax 07 4092 5138.

**REMARKS**

AD Charges apply.

**HANDLING SERVICES AND FACILITIES**

BP - Phone 07 4094 7108. AVGAS.

**PASSENGER FACILITIES**

RF/WC

**AERODROME OBSTACLES**

1. Hills to 1637FT, 130DEG MAG 1,000M FM THR RWY 35, infringes inner HZS
2. Chimney stacks to 1,400FT, 245DEG MAG 740M FM THR RWY 35, infringes inner HZS
3. Bocoombeta Mt, 1,483FT, 310DEG MAG 2,000M FM THR RWY 17, infringes inner HZS

**PHYSICAL CHARACTERISTICS**

17/35 171 32 Unrated. Sealed

WID 18 RWS 90

Inner HZS infringed.

**AERODROME AND APPROACH LIGHTING**

RWY 17/35 LIRL AFRU+PAL 126.7

SDBY PWR AVBL

RWY 17/35 PTBL(1)

BY PRIOR ARRANGEMENT

(1) EMERG only. 90MIN PN.

RWY 17/35 edge light spacing: 90M.

**OTHER LIGHTING**

1. Secondary PWR switchover time: 15SEC.
2. TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

120.15 Circuit area

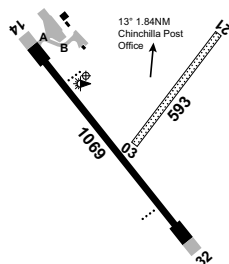
**CTAF - AFRU 126.7****ADDITIONAL INFORMATION**

Bird and animal hazard exists.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3219.
2. Also refer to AIP Departure and Approach Procedures.



**CHINCHILLA****ELEV 1030****AVFAX CODE 4034**

QLD

264610S

1503700E

UTC +10

VAR 10 DEG E

YCCA

CERT

AD OPR Western Downs Regional Council, PO Box 551, Dalby, QLD, 4405. Email: chinmilairport@amsaustralia.com. PH 1300 268 624.  
 ARO H24 0497 677 850 or 0419 981 960.

**REMARKS**

1. Avdata fees apply.
2. Landside access gate lock code 2350.

**HANDLING SERVICES AND FACILITIES**

Chinchilla Aero Club Inc. AVGAS automated bowser H24. AH PH 0428 780 913. MC and V.  
 IOR Aviation Pty Ltd: JET A1 AVBL 2000-0700 UTC MON-FRI. 1 HR PN required. AH call-out fee applies. PH: 0436 011 133.

**PASSENGER FACILITIES**

LG/RF/WC.

**APRONS AND TAXIWAYS**

1. TWY A - PCN 6/F/C/850
2. TWY B - Sealed

**AERODROME OBSTACLES**

Lit COMMS TWR 1,210FT AMSL BRG 042 MAG 1.9NM FM ARP.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT C, METAR/SPECI.
2. AWIS PH 07 4662 7582 - Report faults to AD OPR.
3. AWIS FREQ 133.25 - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

|       |     |     |                                     |        |        |
|-------|-----|-----|-------------------------------------|--------|--------|
| 03/21 | 028 | 19c | Grey silt clay                      | WID 18 | RWS 60 |
| 14/32 | 132 | 35a | PCN 6 /F /C /850 (123PSI) /U Sealed | WID 18 | RWS 90 |

1. **Restriction:** C130 OPS not permitted.
2. RWY 14/32, ACFT ABV 5,700KG to turn on nodes only with MAX RAD turns.
3. Apron size increase PRKG position 1 up to DHC8-100, position 2 up to Dornier DO228.
4. Sealed stopways unrated pavement for EMERG use only. Not AVBL for TKOF or LDG OPS.

**AERODROME AND APPROACH LIGHTING**

|           |         |           |             |
|-----------|---------|-----------|-------------|
| RWY 14/32 | LIRL(1) | PAL 121.3 |             |
| RWY 14/32 | PAPI(2) | PAL 121.3 | 3.0 DEG29FT |
| RWY 14/32 | RTIL(3) | PAL 121.3 |             |

- (1) PAL requires three one-second pulses to activate.
  - (2) Left side. PAL requires three one-second pulses to activate.
  - (3) ACT HN. PAL requires three one-second pulses to activate.
- RWY 14/32 edge light spacing: 60M.

**OTHER LIGHTING**

TWY LGT: Blue edge on A.

**ATS AND AERODROME COMMUNICATION FACILITIES**

|     |                 |                     |
|-----|-----------------|---------------------|
| FIA | BRISBANE CENTRE | 123.95 Circuit area |
|-----|-----------------|---------------------|

**LOCAL TRAFFIC REGULATIONS**

All ACFT to turn on RWY 14/32 and APN with MAX RAD turns.

**CTAF - AFRU** 126.35**ADDITIONAL INFORMATION**

1. Perimeter security fencing.
2. Bird and animal hazards exist.

CHARTS RELATED TO THE AERODROME

1. WAC 3340.
2. Also refer to AIP Departure and Approach Procedures.

CHRISTMAS CREEK

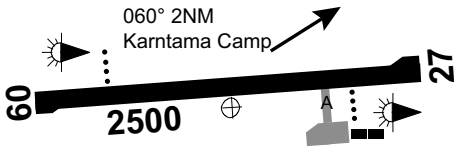
ELEV 1454

AVFAX CODE 6827

WA222121S1193833EUTC +8VAR 1 DEG EYCHK CERT

AD OPR Chichester Metals Pty Ltd, PO Box 6915, East Perth, WA, 6892.

Email: AD Manager: ccairport@fmgl.com.au. PH 08 9177 7290. ARO 08 9177 7291: 0458 580 570 H24.



REMARKS

1. PPR 24HR prior notice required for all unscheduled ACFT.
2. All OPS: Advise AD OPR at least 20 MIN prior to ETA on 132.025, CS 'Christmas Creek Base'.

HANDLING SERVICES AND FACILITIES

AIR BP - JET A1 CTC AD Manager/ARO.

General

ACFT marshalling is provided for all ACFT ABV 5,700KG MTOW.

AERODROME OBSTACLES

1. Terrain penetrations of the inner HZS and COS to 1,720FT AMSL BTN BRG 293 DEG MAG and 052 DEG MAG FM ARP.
2. Lit terrain marked by flashing MIOL.

a. 1,626FT AMSL BRG 293 DEG MAG 2.4NM FM ARP. infringes inner HZS.

b. 1,644FT AMSL BRG 304 DEG MAG 2.2NM FM ARP. infringes inner HZS.

c. 1,674FT AMSL BRG 345 DEG MAG 2.0NM FM ARP. infringes inner HZS.

d. 1,613FT AMSL BRG 038 DEG MAG 1.7NM FM ARP. infringes inner HZS.

e. 1,634FT AMSL BRG 052 DEG MAG 2.7NM FM ARP. infringes inner HZS.
3. Lit tower - marked by flashing MIOL 1,708FT AMSL BRG 069 DEG MAG 2.2NM FM ARP. Infringes inner HZS.

METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT C, METAR/SPECI.
2. AWIS FREQ 122.125 (requires three one-second pulses to activate) - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

09/27 087 82a PCN 43/F /A /1400 (203PSI) /U Grooved WID 45 RWS 300

AERODROME AND APPROACH LIGHTING

RWY 09/27LIRL PAL+AA 120.15SDBY PWR AVBL

RWY 09/27PAPI(1) PAL+AA 120.153.0 DEG53FTSDBY PWR AVBL

(1) Left side only.

1. RWY edge light spacing: 09/27: 60M.

2. Main and SDBY PWR supply by AD generators.

3. Manual activation of lighting will be performed by the ARO 30 MIN prior to scheduled ACFT arrival and deactivated 15 MIN after departure.

OTHER LIGHTING

1. SDBY PWR switchover time: 42 SEC.
2. TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 128.15 Circuit Area  
 UNICOM CHRISTMAS CREEK UNICOM 127.05 (1)  
 (1) CS "Christmas Creek UNICOM". AVBL for scheduled movements.

**LOCAL TRAFFIC REGULATIONS**

1. ACFT ABV 5,700KG MTOW use RWY ends only for 180DEG turns.
2. Limited Itinerant PRKG to NE edge of APN. CTC AD Manager.
3. APN PRKG Position 3 for Dash 8 OPS only (HJ).
4. ACFT PRKG Position 2 Night OPS only for F100 and below.

**FLIGHT PROCEDURES**

1. Due terrain no circling to the north of RWY 09/27.
2. LEFT hand CCTS ONLY RWY 27.
3. DEP RWY 27 left hand turn as soon as practicable after TKOF. North bound TFC to intercept track overhead YCHK.
4. RIGHT hand CCTS ONLY RWY 09.
5. DEP ACFT to use RWY 09 in calm wind conditions.
6. All ACFT to call airborne on CTAF FREQ as soon as practicable after TKOF.

**CTAF - AFRU 127.05**

1. AFRU not AVBL on ground.
2. FREQ confirmation by (YCHK) UNICOM on receipt of taxi departure call (YCHK UNICOM confirm 127.05).

**ADDITIONAL INFORMATION**

1. Blasting occurs to the E and SE quadrants outside 6,000M from ARP.
2. Blasting occurs to the SW and SSE quadrants outside 5,000M from ARP.
3. Dust plumes may occur following blasting.
4. YFDF is in close proximity and the APCH/DEP tracks cross close to the ground. Due to terrain shielding, VHF contact with ACFT on or close to the ground at YFDF is not possible.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3229.
2. Also refer to AIP Departure and Approach Procedures.

**CHRISTMAS ISLAND****ELEV 913****AVFAX CODE 9807**


 OTH 1054125E UTC +7 YPXM  
 102702S VAR 0 DEG E CERT  
 AD OPR Toll Remote Logistics - Locked Bag 860, Christmas Island, Indian Ocean,  
 WA, 6798. Email: christmas.airport@tollgroup.com. PH Airport  
 OPS +61 8 9164 8498. Mobile AH Duty Officer 0447 109 143. Fax 08 9164 8485.

**REMARKS**

1. AD Charges apply to all ACFT. Contact AD Manager for charges.
2. PPR for all non RPT flights by fax or email to AD Manager at least 24HR prior to arrival.
3. All ACFT arrivals at Christmas Island are treated as International arriving ACFT regardless of last port (including arrivals from Australian mainland) and are subject to Customs and Quarantine declaration.
4. Due limited space, operators should notify AD OPR of EST time of ARR.
5. This AD is a Security Controlled Airport.

**HANDLING SERVICES AND FACILITIES**

AIR BP: JET A1. HO by arrangement. Phone 0419 644 277 H24.  
 Altitude: FBO services. VIP services. H24. WC and watering services AVBL. Facilitation of Customs/Quarantine/Airport permits. Email: operations@ciemovals.com.au.  
 Phone 0407 474 968. VHF 129.25 Callsign 'Christmas Operations'.

**PASSENGER FACILITIES**

TX/HC/LG/WC (by prior arrangement).

AERODROME OBSTACLES

1.

OLS extensively infringed to west of RWY and extended centre line - confine manoeuvring in IMC or night to east of RWY.
2.

Transitional SFC infringed both sides of RWY.
3.

Terrain hazard beacon 994FT AMSL BRG 352 DEG MAG 1,979M FM ARP.
4.

Lit DVOR lightning rod 997FT AMSL BRG 358 DEG MAG 2,255M FM ARP.
5.

DVOR hazard LGT 994FT AMSL BRG 357 DEG MAG 2,246M FM ARP.
6.

DME hazard LGT 992FT AMSL BRG 359 DEG MAG 2,261M FM ARP.
7.

Lit lighting towers 1,120FT AMSL BRG 333 DEG MAG 1,195M FM ARP.
8.

Masts (lit for NGT OPS):

a.

1,185FT BRG 300 DEG MAG 2,110M FM ARP.

b.

1,045FT BRG 017 DEG MAG 1,893M FM ARP.

METEOROLOGICAL INFORMATION PROVIDED

1.

TAF CAT A, METAR/SPECI.
2.

AWIS PH 08 6216 2606 - Report faults to BoM.
3.

AWIS FREQ 126.25 - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

18/36

175

69a

PCN 32 /F /A /1000 (145PSI) /T

WID 45

RWS 150

AERODROME AND APPROACH LIGHTING

RWY 18/36

LIRL(1)

AFRU+PAL 132.2

SDBY PWR AVBL

RWY 18/36

PTBL(3)

BY PRIOR ARRANGEMENT

RWY 18

PAPI(2)

AFRU+PAL 132.2

3.3 DEG53FT

SDBY PWR AVBL

RWY 36

PAPI(2)

AFRU+PAL 132.2

3.0 DEG53FT

SDBY PWR AVBL

- (1)

Manual on REQ
- (2)

Both sides - Intensity automatic
- (3)

EMERG only. 90MIN PN.

RWY edge light spacing: 18/36: 60M.

OTHER LIGHTING

1.

SDBY PWR switchover time: 15 SEC.
2.

TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

FIS

BRISBANE INO-1 INTL HF WI SELCAL

(1)

3476 5634 8879 13306 17961

FIS

JAKARTA SEA 3 INTL HF WI SELCAL

(2)

3470 6556 11396 13318 17907

(1)

For flights departing to or arriving from Australian mainland and territories.

(2)

Flights departing to and arriving from the N.

RADIO NAVIGATION AND LANDING AIDS

DME

XXM

112.4/ 71X

102548.5S

1054124.0E

(1)

VOR

XXM

112.4

102548.8S

1054121.6E

(1)

Antenna ELEV 988FT.

All NAVAIDS Privately operated/Pilot Monitored.

LOCAL TRAFFIC REGULATIONS

1.

All ACFT ABV 36,000KG MTOW to use RWY ends for 180DEG turns.
2.

APN not AVBL to other ACFT during C17 OPS.

FLIGHT PROCEDURES

1.

Right hand circuits required on RWY 36.
2.

Straight-in approaches permitted at night. Recommended that ACFT arriving at night establish on final of instrument approach procedure.
3.

Approach slope guidance (PAPI) REQ for all high capacity ACFT OPS.

CTAF - AFRU 132.2

ADDITIONAL INFORMATION

- 1. Bird hazard exists.
- 2. No RFFS provided.
- 3. Expect moderate turbulence on late final approach when surface wind velocity above 15KT - especially from easterly direction.
- 4. Hazardous conditions may exist for ACFT when departing on RWY 18 with a E/SE cross-wind ABV 10KT. Due to close proximity of small hill NE of RWS, ACFT are shielded until APRX 800M FM SOT RWY 18.

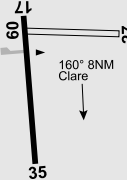
CHARTS RELATED TO THE AERODROME

- 1. WAC 3103.
- 2. Aerodrome Obstruction Chart Type A: June 2023.
- 3. Also refer to AIP Departure and Approach Procedures (DAP West).

CLARE VALLEY

ELEV 1120

FULL NOTAM SERVICE NOT AVBL



SA

334230S      1383500E

AD OPR Clare Valley Flying Group Inc, PO Box 1502, Clare, SA, 5453.

Email: [cvfg@clarevalleyaerodrome.com.au](mailto:cvfg@clarevalleyaerodrome.com.au). PH Chairman - 0418 891 205.

Mobile Secretary - 0407 829 584. Website: [www.clarevalleyaerodrome.com.au](http://www.clarevalleyaerodrome.com.au).

REMARKS

Donations for use appreciated.

UTC +9:30

VAR 8 DEG E

YCVA

UNCR

HANDLING SERVICES AND FACILITIES

AVGAS AVBL H24. Use Compac Pay mobile APP. Organisation code for site: 389KP4  
PH: 0412 602 447.

PASSENGER FACILITIES

LG/WC/TX/RF. Courtesy car AVBL at AD. Further information and bookings AVBL online:  
[www.clarevalleydownwind.com.au](http://www.clarevalleydownwind.com.au).

PHYSICAL CHARACTERISTICS

|       |     |                        |        |        |
|-------|-----|------------------------|--------|--------|
| 09/27 | 20c | Grass. RWY LEN 600M.   | WID 30 |        |
| 17/35 | 41a | Sealed. RWY LEN 1250M. | WID 18 | RWS 22 |

AERODROME AND APPROACH LIGHTING

RWY 17/35      LIRL      PAL 120.05

ATS AND AERODROME COMMUNICATION FACILITIES

FIA      MELBOURNE CENTRE      118.95

CTAF 126.7

NOISE ABATEMENT PROCEDURES

- 1. All ACFT to avoid overflying Bungaree Station 1.3NM SW THR RWY 35 BLW 2,300FT AMSL.
- 2. ACFT to track close downwind when using RWY 35 to avoid Bungaree Station.
- 3. TRNG ACFT inbound from S to track via overhead Clare township not below 2,600FT AMSL.

ADDITIONAL INFORMATION

Kangaroo and deer hazard may exist.

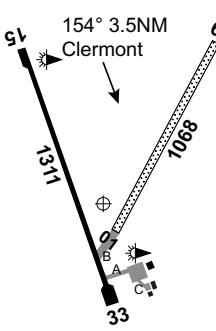
CHARTS RELATED TO THE AERODROME

WAC 3458, 3459.

CLERMONT

ELEV 918

AVFAX CODE 4408



154° 3.5NM  
Clermont

13/31 10/68 33

QLD 224623S 1473714E UTC +10 YCMT CERT  
VAR 8 DEG E

AD OPR Isaac Regional Council, PO Box 97, Moranbah, QLD, 4744.  
PH Isaac Regional Council BH 1300 472 227. ARO H24 0418 791 597.  
Fax 07 4983 2978.

**REMARKS**

- PPR.
- This AD is NOT security controlled.
- AD Charges: PAX and landing fees apply. Contact AD OPR.
- RFDS/MEDEVAC flights take priority over all ACFT.

**HANDLING SERVICES AND FACILITIES**

Fuel AVBL FM AD OPR (BH only) or ARO (H24). AVGAS and JET A1.  
1HR PN required. Out of hours fee applies.

APRONS AND TAXIWAYS

Taxiing only permitted via sealed surfaces.

METEOROLOGICAL INFORMATION PROVIDED

TAF CAT C, METAR/SPECI.

PHYSICAL CHARACTERISTICS

|       |     |     |                               |        |        |
|-------|-----|-----|-------------------------------|--------|--------|
| 01/19 | 019 | 35c | Unrated. Brown Gravel         | WID 30 | RWS 90 |
| 15/33 | 150 | 43a | PCN 11 /F /D /805 (117PSI) /T | WID 30 | RWS 90 |

AERODROME AND APPROACH LIGHTING

|           |                   |                      |
|-----------|-------------------|----------------------|
| RWY 01/19 | PTBL(2)           | BY PRIOR ARRANGEMENT |
| RWY 15/33 | LIRL(1) PAL 119.6 | SDBY PWR AVBL        |
| RWY 15/33 | PTBL(2)           | BY PRIOR ARRANGEMENT |

- (1) SDBY PWR MAN activated. 30 MIN PN RQ.  
(2) EMERG only. 60MIN PN.

OTHER LIGHTING

TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

|     |                 |                    |
|-----|-----------------|--------------------|
| FIA | BRISBANE CENTRE | 122.3 Circuit area |
|-----|-----------------|--------------------|

LOCAL TRAFFIC REGULATIONS

All ACFT turning on RWY 15/33 must use turning nodes and execute MAX radius turns at RWY ends.

CTAF 126.7

ADDITIONAL INFORMATION

- Blasting daily position 224353.60S 1473812.20E position BRG 010 DEG MAG 3NM FM ARP. For more information, phone 0467 725 738.
- Animal hazard (flying foxes) in VCY of AD. Peak activity dusk and dawn between September and May.

CHARTS RELATED TO THE AERODROME

- WAC 3234, 3235.
- Also refer to AIP Departure and Approach Procedures.

**CLEVE****ELEV 589****AVFAX CODE 5039**

SA

UTC +9:30

YCEE

334235S

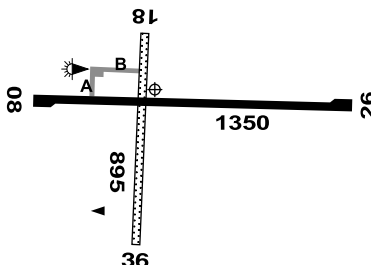
1363017E

VAR 7 DEG E

CERT

AD OPR District Council of Cleve, PO Box 36, Cleve, SA, 5640. PH 08 8628 2004.

ARO H24: 0427 282 707: 0419 282 703.

**REMARKS**

AD charges: all ACFT.

**AERODROME OBSTACLES**

1. Lit TWR 1,173FT, 320 DEG MAG 2.2NM FM ARP. Infringes conical SFC.
2. Lit mast 110FT AGL 295 DEG MAG1,600M from W end RWY 08/26.

**METEOROLOGICAL INFORMATION PROVIDED**

1. METAR/SPECI.
2. AWIS PH 08 8150 3802 - Report faults to BoM.
3. AWIS FREQ 133.0 - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

|             |     |     |                                           |        |        |
|-------------|-----|-----|-------------------------------------------|--------|--------|
| 08/26       | 084 | 44a | 5700/550 (80PSI) Unrated. Sealed.         | WID 18 | RWS 90 |
| 18/36       | 175 | 29c | 5700/450 (65PSI) Unrated. Natural. Gravel | WID 18 | RWS 60 |
| 700M S End. |     |     |                                           |        |        |

**AERODROME AND APPROACH LIGHTING**

RWY 08/26 LIRL(1) PAL 122.8

SDBY PWR AVBL

(1) Activation range 5NM to NE.

RWY 08/26 edge light spacing: 60M

**OTHER LIGHTING**

1. TWY LGT: Blue edge.
2. Secondary PWR switchover time during PWR outage: 60MIN (manually activated, PN required).

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE

125.9 Circuit area

**FLIGHT PROCEDURES**

Right hand circuits required when OPR on RWY 08.

**CTAF** 126.7**ADDITIONAL INFORMATION**

Bird hazard exists.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3459.
2. Also refer to AIP Departure and Approach Procedures.

**ELEV 1450**

QLD UTC +10 YCFN  
275540S 1515051E VAR 11 DEG E UNCR  
AD OPR Trevor & Janet Bange, 549 Clifton-Leyburn Road, Clifton, QLD,  
4361. Email: trevorbange@bigpond.com. PH 0429 378 370.

1. Privately owned.
2. Prior permission recommended for LDG to check airfield SFC condition.

AVGAS and MOGAS by prior arrangement or in EMERG.

WC, AC, clubhouse, RF, loan car

1. High ground 600FT, 1NM NE of AD.
2. Power line running parallel 400M N of RWY.
3. RWY APCH paths clear of obstacles.
4. Hangars situated both sides of RWY at E end.

RWY couch grass on black soil. Length 800M, WID 30M. Markers spaced every 100M. E 300M of RWY has a 1% up slope to E and 1% side slope to S. Three windsocks positioned along N of RWY.

|     |                 |                  |
|-----|-----------------|------------------|
| FIA | BRISBANE CENTRE | 121.2 In circuit |
|-----|-----------------|------------------|

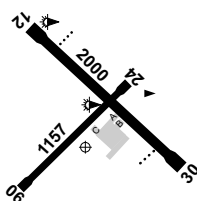
RWY 06 right hand CTS due to high terrain.

CTAF 126.7

1. Bird hazards exist.
2. Sticky or boggy conditions exist if black soil SFC is wet.
3. Following periods of rain, SFC may be extremely soft and heavy.
4. Watercourse runs across AD midway N to S and can be mistaken as a cross RWY depending on status of grain crops in areas bordering RWY.
5. Recreational aviation (ultralight) and a recreational aviation flying school operate HJ.
6. AD is used by other flying training schools for cross country training.
7. Low flying HEL traverse across AD at right angles to RWY, often unannounced.
8. Watch for vehicular traffic crossing on E boundary of RWY.
9. Area W of the AD out to Millmerran and Cecil Plains has increased flying training traffic from Wellcamp QANTAS Academy.
10. Non TSO airfield WX station: [www.loneeagleflyingschool.org.au](http://www.loneeagleflyingschool.org.au).
11. Local on site cameras AVBL: [www.loneeagleflyingschool.org.au](http://www.loneeagleflyingschool.org.au) and via OzRunways for pilot information.

WAC 3340.



**CLONCURRY****ELEV 613****AVFAX CODE 4303**

QLD

204007S

1403016E

UTC +10

VAR 6 DEG E

YCCY

CERT

AD OPR Cloncurry Shire Council, PO Box 3, Cloncurry, QLD, 4824.

PH 07 4742 4100. ARO 0428 181 981 (H24).

AH secondary CTC 0408 133 580. Fax 07 4742 2888.

**REMARKS**

1. AD Charges apply.
2. This AD is a Security Controlled Airport.

**HANDLING SERVICES AND FACILITIES**

AIR BP - Jomera Pty Ltd: 0730-1700 Local MON-FRI. PN required on weekends, call-out fee applies AH and on weekends. PH 0429 651 149 or email: swallingcnj@gmail.com.

AVGAS self-service and JET A1.

IOR Aviation PTY LTD: JET A1 refueller vehicle (under and overwing). 0800-1700 Local DLY, AH call-out fee applies. PH 0429 664 680.

**PASSENGER FACILITIES**

PT/TX (Taxi 131 008)/ LG/RF/WC/ME (07 4742 2855, 0407 696 103)

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT C, METAR/SPECI.
2. AWIS Phone 07 3564 3711- Report faults to BoM.
3. AWIS FREQ 128.05 (requires one-second pulse to activate) - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

|       |     |     |                                    |        |         |
|-------|-----|-----|------------------------------------|--------|---------|
| 06/24 | 062 | 38a | 5700/730 (106PSI) Unrated          | WID 18 | RWS 60  |
| 12/30 | 122 | 66a | PCN 30 / F / A / 1200 (174PSI) / T | WID 30 | RWS 150 |

**AERODROME AND APPROACH LIGHTING**

|           |         |                |             |                      |
|-----------|---------|----------------|-------------|----------------------|
| RWY 12/30 | LIRL    | AFRU+PAL 126.7 |             | SDBY PWR AVBL        |
| RWY 12/30 | PAPI(1) | AFRU+PAL 126.7 | 3.0 DEG46FT | SDBY PWR AVBL        |
| RWY 12/30 | PTBL(2) |                |             | BY PRIOR ARRANGEMENT |

(1) Left side.

(2) EMERG only. 40MIN PN.

RWY edge light spacing: 12/30: 90M.

**OTHER LIGHTING**

1. SDBY PWR switchover time: 15 SEC.
2. TWY LGT: Green CL on A; Blue edge on B.

**ATS AND AERODROME COMMUNICATION FACILITIES**

|     |                 |              |
|-----|-----------------|--------------|
| FIA | BRISBANE CENTRE | 122.4 3500FT |
|-----|-----------------|--------------|

**RADIO NAVIGATION AND LANDING AIDS**

|     |     |     |           |            |                  |     |
|-----|-----|-----|-----------|------------|------------------|-----|
| NDB | CCY | 264 | 203956.4S | 1403003.8E | Range 75 (HN 75) | (1) |
|-----|-----|-----|-----------|------------|------------------|-----|

(1) Pilot monitored.

**LOCAL TRAFFIC REGULATIONS**

1. Bay 1 preferred night parking operations for Saab 340 to Fokker F100 and similar ACFT.
2. RWY 12/30 ACFT ABV 20,000KG MTOW must execute turns only at RWY THR.
3. All light ACFT APN and TWY 5,700KG limit.
4. Parking restriction on RPT APN. PN required for itinerant ACFT ABV 5,700KG.
5. RWY 12 THR turning node left hand turn only for ACFT ABV 20,000KG due pavement failure.

**CTAF - AFRU 126.7**

**ADDITIONAL INFORMATION**

Bird, animal and flying fox hazard exists.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3233.
2. Also refer to AIP Departure and Approach Procedures.

CLUNY

09

24

QLD  
243041S      1393702E  
AD OPR Australian Stations Pty Ltd, Cluny Station, Bedourie, QLD,  
4829. PH RDO RFDS: Mount Isa 8W1.

ELEV 295

FULL NOTAM SERVICE NOT AVBL

UTC +10      YUNY  
VAR 6 DEG E      UNCR

PASSENGER FACILITIES

Telephone facilities not AVBL.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA      BRISBANE CENTRE      125.4 5500FT

CTAF 126.7

CHARTS RELATED TO THE AERODROME

WAC 3342.

COBAR

030° 3NM  
Cobar

L1

1696

899

35

Displaced THR  
Refer ERSA-RDS

NSW  
313218S      1454738E  
AD OPR Cobar Shire Council, PO Box 223, Cobar, NSW, 2835.  
Email: mail@cobar.nsw.gov.au. PH Airport Manager: 0437 525 373.  
ARO H24 0408 649 003.

ELEV 724

UTC +10      YCBA  
VAR 10 DEG E      CERT

REMARKS

AD charges apply.

HANDLING SERVICES AND FACILITIES

AVGAS - H24 self serve pump activated by V, MC or Skyfuel Card.  
JET A1 - H24 self serve pump activated by V, MC or Skyfuel Card. JET A1 tanker service also  
AVBL for larger turbine ACFT, call out fee applies from 1600-0700 Local.  
Skyfuel - 0418 862 100, 0417 780 280, or Cobar ARO (Tanker).

METEOROLOGICAL INFORMATION PROVIDED

1.      TAF CAT D, METAR/SPECI.

2.      AWIS PH 02 9353 6411 - Report faults to BoM.

3.      AWIS FREQ 134.35 (requires a one second pulse to activate) - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

05/23      045   56a   PCN 20 /F /D /700 (102PSI) /U

17/35      165   29a   PCN 6 /F /D /500 (73PSI) /U

WID 30      RWS 150

WID 23      RWS 90

AERODROME AND APPROACH LIGHTING

RWY 05/23      LIRL(1)      AFRU+PAL 126.7

(1)      H24. EMERG SDBY PWR AVBL.

OTHER LIGHTING

TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA      MELBOURNE CENTRE      124.9 Circuit area

RADIO NAVIGATION AND LANDING AIDS

NDB   CBA   395      313224.5S      1454755.0E      Range 45 (HN 45)

**LOCAL TRAFFIC REGULATIONS**

1. All ACFT, except RPT ACFT, must park in light ACFT area to NE of TWY.
2. Limited parking exists for RPT and ACFT ABV 5,700KG MTOW in area SW of TWY.  
Contact ARO to confirm parking.
3. All ACFT must make MAX radius turns on APN and all RWY THR.

**CTAF - AFRU** 126.7**ADDITIONAL INFORMATION**

1. Animal and bird hazard maybe present.
2. Weather balloon launch APRX 2315 UTC. Launches may occur at other times.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3356.
2. Also refer to AIP Departure and Approach Procedures.

**COBDEN****ELEV 460****FULL NOTAM SERVICE NOT AVBL**

VIC

UTC +10

YCDE

381936S

1430324E

VAR 11 DEG E

UNCR

AD OPR Corangamite Shire Council, PO Box 84, Camperdown, VIC, 3260. PH 03 5593 7100.

ARO 0403 498 005 or 0428 024 633.

**REMARKS**

PPR, CTC ARO for ACFT OPS and AD site conditions.

**HANDLING SERVICES AND FACILITIES**

AVGAS AVBL by prior arrangement. C/O Rohan Flying Services. MOB 0457 776 095, 0428 024 633, 0403 498 005. AH call-out fee may apply. Cash or cheque accepted.

**PASSENGER FACILITIES**

TX (0419 764 981), WC.

**PHYSICAL CHARACTERISTICS**18/36 30a/c Unrated. Natural surface. Central 15M sealed.  
RWY LEN 900M. Turn pads each end.

WID 18

**AERODROME AND APPROACH LIGHTING**

RWY 18/36 LIRL(1) PAL+AA 122.2

(1) Not inspected by CASA,

RWY edge light spacing: 18/36 90M.

**OTHER LIGHTING**

TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE

126.8 Circuit area

**FLIGHT PROCEDURES**

Right hand CCTS RWY 18.

**CTAF** 126.7**ADDITIONAL INFORMATION**

1. CAUTION: Beware of hill and rising terrain at north of AD.
2. CAUTION: Beware of tall Feed Mill south east of RWY 18.

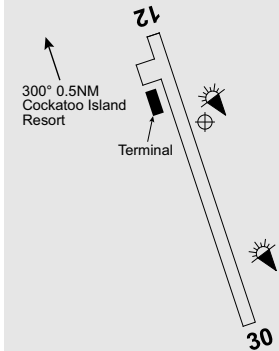
**CHARTS RELATED TO THE AERODROME**

WAC 3469.

COCKATOO ISLAND

ELEV 380

FULL NOTAM SERVICE NOT AVBL



WA  
160545S 1233641E  
AD OPR Cockatoo Is Pty Ltd, 30 Coolgardie St, West Perth, WA,  
6005. Email: aviation@cockatoois.com. PH 08 9226 5444.  
Website: www.cockatoois.com.

UTC +8  
VAR 2 DEG E  
YCTI  
UNCR

REMARKS

1. PPR.
2. HJ OPS only.
3. No LDG fees, however transfer fees are applicable.
4. Airfield transfers to the resort arranged through airfield OPR only.
5. Terminal access by prior arrangement.
6. Pilots are advised to CTC the AD OPR for RWY status prior to OPS.

HANDLING SERVICES AND FACILITIES

Refuelling AVBL by prior arrangement (drumstock only).

PHYSICAL CHARACTERISTICS

12/30 32c Gravel WID 30

AERODROME AND APPROACH LIGHTING

RWY 12/30 PTBL(1) BY PRIOR ARRANGEMENT  
(1) EMERG only

ATS AND AERODROME COMMUNICATION FACILITIES

FIA BRISBANE CENTRE 122.1  
UNICOM COCKATOO ISLAND UNICOM 127.2

LOCAL TRAFFIC REGULATIONS

1. Park WI designated PRKG areas only.
2. MNM PWR must be used when manoeuvring WI PRKG area due to fine gravels used on the movement area.

FLIGHT PROCEDURES

Pilots requested not to fly over resort or mine site.

CTAF 127.2

ADDITIONAL INFORMATION

1. Blasting may take place to the east and southeast of the island at the mine site.
2. FBO OPR 'cockatoo ground' VHF 128.8.

CHARTS RELATED TO THE AERODROME

WAC 3223.

COCONUT ISLAND

ELEV 10

FULL NOTAM SERVICE NOT AVBL



QLD  
100301S 1430416E  
AD OPR Torres Strait Island Regional Council, PO Box 7336, Cairns, QLD,  
4870. PH 07 4034 5700. ARO 0456 414 232 (H24).

UTC +10  
VAR 5 DEG E  
YCTT  
UNCR

REMARKS

1. Restricted OPS: PPR from AD OPR.
2. RPT parking only on E apron. All other ACFT to park on apron mid RWY.
3. Gates other than terminal gates will be locked at all times. For access, contact ARO prior to arrival.

AERODROME OBSTACLES

TNS infringing up to 20FT by trees.

**PHYSICAL CHARACTERISTICS**

09/27 24a Unrated. Sealed

WID 18 RWS 60

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

120.3 Circuit area

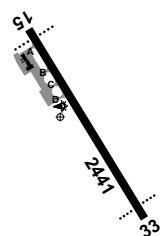
**FLIGHT PROCEDURES**

For special procedures which apply to Torres Strait biosecurity requirements, see ERSa GEN - SPECIAL PROCEDURES.

CTAF 126.7

**CHARTS RELATED TO THE AERODROME**

WAC 3097.

**COCOS (KEELING) ISLANDS****ELEV 10****AVFAX CODE 9806**

OTH

121119S

0964950E

UTC +6:30

VAR 2 DEG W

YPCC

CERT

AD OPR Toll Remote Logistics - PO Box 1048, Cocos (Keeling) Islands, Indian Ocean, WA, 6799. Email: cocos.airport@tollgroup.com.

PH AD Manager 08 9162 6536.

**REMARKS**

1. AD charges apply to all ACFT. Contact AD Manager for charges.
2. PPR for all non RPT flights by email to AD Manager at least 24 hours prior to arrival.
3. All aircraft arrivals at Cocos Islands are treated as international arriving ACFT regardless of last port (including arrivals from Australian mainland) and are subject to Customs and Quarantine declaration.
4. Flight Plan Briefing and notification MUST BE MADE through Canberra Briefing Office on PH 02 6268 5062^ or Fax 08 6268 5033.
5. This AD is a Security Controlled Airport.

**HANDLING SERVICES AND FACILITIES**

VIVA Energy H24 DLY. 36HR PN for refuelling. PH 08 9162 6742 or Fax 08 9162 6682. Email: cocos-operations-f@vivaenergy.com.au. JET A1. VIVA Energy Fuel2Sky card, World Fuel Services card or fuel release, UVair card or fuel release.

Altitude: FBO services and VIP services. H24. Facilitation of Customs/Quarantine/Airport permits. Email: cck.operations@ci removals.com.au PH 0407 474 968. VHF 129.25 Callsign 'Cocos Operations'.

**PASSENGER FACILITIES**

All bookings for accommodation to be arranged in advance.

**AERODROME OBSTACLES**

1. Tree 53FT AMSL BRG 143 DEG MAG 2,431M FM ARP.
2. Masts:
  - a. 182FT BRG 116 DEG MAG 3,169M FM ARP. Lit for NGT OPS.
  - b. 172FT BRG 347 DEG MAG 4,861M FM ARP. Unlit.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT A, METAR/SPECI.
2. AWIS PH 08 6216 2607 - Report faults to BoM.
3. AWIS FREQ 126.2 - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

15/33 151 80a PCN 17 /F /A /1000 (145PSI) /T

WID 45 RWS 150

AERODROME AND APPROACH LIGHTING

- RWY 15/33LIRLAFRU+PAL 118.1SDBY PWR AVBL
- RWY 15/33PAPIAFRU+PAL 118.13.0 DEG53FTSDBY PWR AVBL
- RWY 15/33PTBL(1)BY PRIOR ARRANGEMENT
- (1)EMERG only. 90MIN PN.
- 1.RWY edge light spacing: 15/33: 90M.
- 2.All inbound and outbound ACFT are required to activate RWY LGT by AFRU+PAL 118.1 to suspend use of RWS for non aviation activities and to allow personnel to vacate RWS.
- 3.AFRU+PAL 118.1 activates RWY lighting H24.

OTHER LIGHTING

- 1.SDBY PWR switchover time: 13 SEC.
- 2.TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

- FISBRISBANE INO-1 INTL HF WI SELCAL(1)3476 5634 8879 13306 17961
- (1)For flights departing to or arriving from Australian mainland and territories.

RADIO NAVIGATION AND LANDING AIDS

- DMECC114.1/ 88X121201.5S0965028.1E(2)
- VORCC114.1121202.0S0965027.3E
- NDBCIL388 (RWY15)121014.5S0964916.3ERange 15(1)
- (1)154/1.1 to ARP.
- (2)Antenna ELEV 31FT.

LOCAL TRAFFIC REGULATIONS

- 1.High power ENG running by turboprop ACFT is prohibited on apron due SFC conditions.
- 2.All turns to be MNM speed, MAX RAD to minimise pavement damage. ACFT ABV 23,000KG MTOW are to use RWY ends for turns.

FLIGHT PROCEDURES

Avoid overflying North Keeling Island - significant bird hazard.

CTAF - AFRU 118.1

NOISE ABATEMENT PROCEDURES

Noise Abatement procedures apply for APU and ENG OPS on apron BTN 0000-0600 Local.  
Contact AD Manager.

ADDITIONAL INFORMATION

- 1.Ground habitat birds occasionally on RWS.
- 2.During/following heavy rain there may be deep water across TWY.
- 3.Transitional SFC may be infringed on apron areas by unlit parked ACFT.
- 4.Increased bird activity at N end of AD HN and during heavy rain.
- 5.Weather balloon launch APRX 2315 UTC FM 430M E ARP. Launches may occur at other times.
- 6.No RFFS provided.

CHARTS RELATED TO THE AERODROME

- 1.WAC 3164.
- 2.Aerodrome Obstruction Chart Type A: JUL 2023.
- 3.Also refer to AIP Departure and Approach Procedures.

**COEN****ELEV 533****AVFAX CODE 4503**

QLD

134543S

1430700E

UTC +10

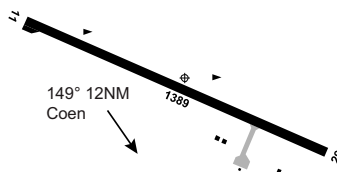
VAR 6 DEG E

YCOE

CERT

AD OPR Cook Shire Council, PO Box 3, Cooktown, QLD, 4895. Email: coenap@cook.qld.gov.au.

ARO 07 4060 1136 H24. Council PH 07 4082 0500. Website: www.cook.qld.gov.au.

**REMARKS**

AD Charges: refer to website - 'Fees and Charges'.

**HANDLING SERVICES AND FACILITIES**

AVGAS and JET A1 AVBL HJ with 2HR PN. CTC ARO.

**PASSENGER FACILITIES**

1. AC/LG/WC.
2. Telstra mobile facilities AVBL.

**METEOROLOGICAL INFORMATION PROVIDED**

TAF CAT D, METAR/SPECI.

**PHYSICAL CHARACTERISTICS**

11/29 108 46a PCN 8 /F /B /800 (116PSI) /T

WID 30 RWS 90

**AERODROME AND APPROACH LIGHTING**

RWY 11/29 PTBL(1)

BY PRIOR ARRANGEMENT

(1) Solar Powered LGT pre-laid for EMERG and EMERG ACFT only.

RWY 11/29 edge light spacing: 60M.

**OTHER LIGHTING**

1. TWY LGT: Blue edge (solar powered).
2. Floodlighting: MAN activation.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

118.2 Circuit area

**RADIO NAVIGATION AND LANDING AIDS**

NDB COE 404 134557.8S 1430702.1E Range 32 (HN 32)

(1)

(1) Pilot monitored.

**CTAF - AFRU 126.7****ADDITIONAL INFORMATION**

Bird and animal hazard exists.

**CHARTS RELATED TO THE AERODROME**

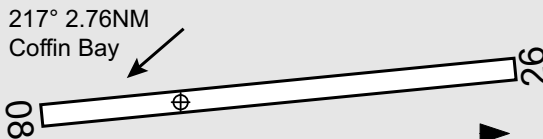
1. WAC 3112.
2. Also refer to AIP Departure and Approach Procedures.

**COFFIN BAY****ELEV 13****FULL NOTAM SERVICE NOT AVBL**

SA  
343520S 1353018E UTC +9:30 YCOF  
VAR 7 DEG E UNCR

AD OPR District Council of Lower Eyre Peninsula, 32 Railway Terrace, Cummins, SA, 5631.

Email: mail@dclep.sa.gov.au. PH 08 8676 0400. Website: www.lowereyrepeninsula.sa.gov.au.

**PHYSICAL CHARACTERISTICS**

08/26 38c Unrated. Gravel

WID 15 RWS 90

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 125.9

**CTAF** 128.0

**ADDITIONAL INFORMATION**

Animal hazard exists.

**CHARTS RELATED TO THE AERODROME**

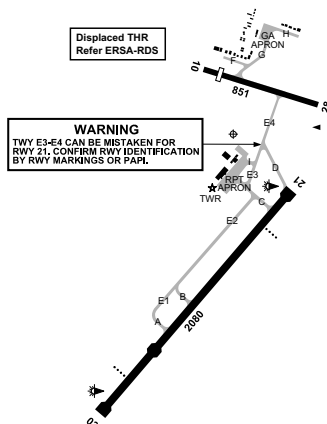
WAC 3459.

**COFFS HARBOUR****ELEV 18****AVFAX CODE 2016**

NSW UTC +10 YCFS  
301914S 1530659E VAR 12 DEG E CERT

AD OPR Coffs Harbour Airport Pty Ltd, PO Box 251, Coffs Harbour, NSW, 2450. PH 02 6650 4812.

ARO 0418 869 285 H24.

**REMARKS**

1. AD Charges: All ACFT.
2. This AD is a Security Controlled Airport.
3. RPT apron is security restricted. Passenger screening applies in main RPT Terminal. Unscreened access through Charter Lounge at N end of RPT apron. All non-RPT ACFT must obtain prior approval of AD OPR to gain access to and from RPT apron. Charges apply. To obtain approval CTC ARO.



## HANDLING SERVICES AND FACILITIES

AVGAS: H24, V, MC and Aero Refuellers carnet cards. CTC Coffs Harbour Aero Club when open, 02 6652 2992 for call-outs. Fee may apply.

World Fuel Services: 0800 - 1700 Local MON-FRI, 0930 - 1630 Local SAT and SUN, AH and PH 2HR PN required, service fee may apply. JET A1 tanker, AVGAS H24 WFS Cardswipe or credit card (via smartphone APP). PH: 0408 665 792 or email: wfscoffsharbour@gmail.com.

## RESCUE AND FIREFIGHTING SERVICES

1. CAT 6 OPR HR
  - a. MON-FRI: 2000-1120 UTC.
  - b. SAT and SUN: 2015-1120 UTC.
2. 131.0 MHz AVBL HO.

*Note: All times 1HR earlier during HDS.*

## APRONS AND TAXIWAYS

1. RWY 10/28, TWY B, E4, F, G, and H not ABV 5,700KG MTOW.
2. Exit and entry to TWY F not AVBL FM RWY 10/28.
3. TWY D not ABV 34,000KG MTOW.

## AERODROME OBSTACLES

1. LIOL:
  - a. Lit TWR 343/1NM from ARP, 289FT.
  - b. 184/2.2NM from ARP, 222FT.
  - c. 215/2.8NM from ARP, 287FT.
  - d. TV mast 216/2.86NM from ARP, 322FT.
  - e. BRG 320MAG 1.9NM FM ARP, 540FT AMSL.
2. MIOL:
  - a. 350/3.4NM from ARP, 1,018FT.
  - b. 045/1.2NM from ARP, 217FT.
3. Unlit fence 8.5FT AGL 105M E of THR RWY 03 extend CL. Infringes 300M APCH inner edge. GRAD 4.6.
4. Crane 409FT AMSL BRG 344 DEG MAG 1.43NM FM ARP.

## METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT A, METAR/SPECI. AD WRNG.
2. AWIS Phone 02 9353 6412 - Report faults to BoM.
3. AWIS FREQ 122.475 - Report faults to AD OPR outside of TWR HR.

## PHYSICAL CHARACTERISTICS

|       |     |     |                                            |        |         |
|-------|-----|-----|--------------------------------------------|--------|---------|
| 03/21 | 029 | 68a | PCN 44 / F / A / 1500 (218PSI) / T Grooved | WID 45 | RWS 150 |
| 10/28 | 095 | 28a | 5700/ Unrated                              | WID 18 | RWS 80  |

## AERODROME AND APPROACH LIGHTING

|           |         |                |             |               |
|-----------|---------|----------------|-------------|---------------|
| RWY 03/21 | MIRL(1) | AFRU+PAL 118.2 |             | SDBY PWR AVBL |
| RWY 03/21 | PAPI(1) | AFRU+PAL 118.2 | 3.0 DEG51FT | SDBY PWR AVBL |

(1) AFRU+PAL outside TWR HR.

RWY edge light spacing: 03/21: 60M.

## OTHER LIGHTING

ABN ALTN 8 WG

1. Secondary PWR switchover time: 15 SEC.
2. TWY LGT: Blue edge on TWY A, B, C, D, E1, E2 and E3.

## ATS AND AERODROME COMMUNICATION FACILITIES

|      |                 |                                  |
|------|-----------------|----------------------------------|
| FIA  | BRISBANE CENTRE | 122.6 On ground (Outside TWR HR) |
| ATIS | COFFS           | 117.0 130.3                      |
| TWR  | COFFS TOWER     | 118.2 (1)                        |

(1) Or PH 02 6650 2785

1. TWR HR:

- a. MON-SAT: 2045-0730 UTC
- b. SUN: 2335-0700 UTC

Phone: 02 6650 2785

*Note: All times 1HR earlier during HDS. TWR HR may change at short notice, check status of airspace with ATS or Coffs ATIS.*

2. Coffs TWR provides combined TWR and APP CTL services within Class D airspace 4,500FT AMSL and BLW DRG TWR HR. CTC TWR for clearance.
3. Outside TWR HR, Coffs Harbour Class D airspace becomes Class G.
4. Brisbane Centre 134.2 operates Coffs Harbour Class C airspace H24.

### **RADIO NAVIGATION AND LANDING AIDS**

|                        |     |            |           |            |     |
|------------------------|-----|------------|-----------|------------|-----|
| DME                    | CFS | 117.0/117X | 301910.3S | 1530715.7E | (1) |
| VOR                    | CFS | 117.0      | 301910.2S | 1530715.2E |     |
| (1) Antenna ELEV 38FT. |     |            |           |            |     |

### **LOCAL TRAFFIC REGULATIONS**

1. Due to shortage of space, time limited parking applies on RPT apron; parking fee may apply. Parking available in GA area for ACFT not ABV 5,700KG MTOW.
2. ACFT ABV 23,000KG to execute 180DEG turns at RWY ends or turning nodes.
3. Circuit training only permitted BTN 0700-2200 Local (2100-1200 UTC) (1HR earlier during HDS).
4. Escort AVBL to and FM GA APN for essential night time OPS with PN to AD Safety Officer.

### **FLIGHT PROCEDURES**

1. Right hand circuits required when OPR on RWY 03, except as directed by ATC.
2. RPT ACFT may conduct straight-in approaches outside TWR HR.
3. **Instrument training and AWK**
  - a. All ACFT planning practice instrument APCH, NAVAID training or AWK require prior ATC approval. Pilots must book a slot online at [www.nsw.bookawk.com](http://www.nsw.bookawk.com).
  - b. Bookings may be subject to cancellation by ATC:
    - (i) on daily review of forecast MET conditions; or
    - (ii) due to OPR restrictions.
  - c. Pilots requesting an APCH to the non-duty RWY may expect extended delay. Conduct of an APCH to the non-duty RWY is not guaranteed.

### **CTAF - AFRU 118.2**

Outside TWR HR.

### **NOISE ABATEMENT PROCEDURES**

Noise Abatement Procedures (NAP) apply. Refer AIP DAP.

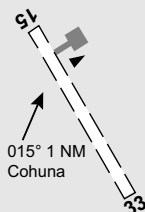
### **ADDITIONAL INFORMATION**

1. SEV TURB off W end of RWY 10/28 during strong winds.
2. Wildlife hazard exists, periods of heightened risk will be communicated via NOTAM.
  - a. Increased flying fox activity in vicinity during twilight periods.
  - b. Juvenile white-bellied sea eagle HJ activity increased NOV-APR.
3. WARNING: TWY E3-E4 can be mistaken for RWY 21. Confirm RWY identification by RWY markings or PAPI.
4. Blasting may take place two to three times per month at two locations, 301707.09S 1530345.53E (Tom Jung Quarry) and 301804.87S 1530317.85E (Boambee Quarry).

Contact information:  
Tom Jung Quarry - 02 6652 8410 or 0407 146 679  
Boambee Quarry - 02 6652 9467 or 0417 624 814

### **CHARTS RELATED TO THE AERODROME**

1. WAC 3357.
  2. Also refer to AIP Departure and Approach Procedures.
-

**COHUNA****ELEV 260****FULL NOTAM SERVICE NOT AVBL**

VIC  
354937S 1441250E  
AD OPR Lions Club of Cohuna, PO Box 346, Cohuna, VIC, 3568.  
PH 0428 583 190: 0427 564 138: 0413 637 966.

UTC +10  
VAR 11 DEG E

YCOH  
UNCR

**REMARKS**

1. Prior permission for use is not required.
2. It is necessary to arrange a key to gates for airside vehicular access.

**PHYSICAL CHARACTERISTICS**

15/33 32a 5700/600 (87PSI) Sealed. RWY LEN 964M. WID 18 RWS 60

**AERODROME AND APPROACH LIGHTING**

RWY 15/33 LIRL PAL+AA 120.55

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 118.6

**LOCAL TRAFFIC REGULATIONS**

ACFT park at the NE apron, area 360M<sup>2</sup>.

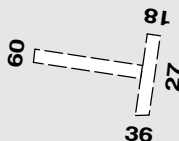
**CTAF** 126.7

**ADDITIONAL INFORMATION**

1. Car parking at NE parking area, adjacent to ACFT parking area.
2. Model aeroplane club operates in daylight HR FM southern end of RWY approach. Radio monitored.
3. Bird and animal hazard may exist.
4. Weather information available: [avmet.nz/ycoh/](http://avmet.nz/ycoh/)

**CHARTS RELATED TO THE AERODROME**

WAC 3457.

**COLAC****ELEV 450****FULL NOTAM SERVICE NOT AVBL**

VIC  
381711S 1434047E  
AD OPR Colac Otway Shire, PO Box 283, Colac, VIC, 3250.  
PH 03 5232 9400. Fax 5232 1046.

UTC +10  
VAR 11 DEG E

YOLA  
UNCR

**REMARKS**

1. AD INFO and landing enquiries Colac Otway Shire automated message: 03 5232 9563.
2. AD charges: Landing fees collected via AVDATA, \$10 per tonne plus GST, \$10 MNM, charged at one landing per hour.

**HANDLING SERVICES AND FACILITIES**

Colac Aero Club: Email: [enquiries@colacaeroclub.com.au](mailto:enquiries@colacaeroclub.com.au)  
Fuel supplied by IOR Aviation Pty Ltd. JET A1 and AVGAS 100LL AVBL H24 self-serve bowser.  
Payment method via IOR Aviation tag for account holders or via the Fuelcharge APP.  
PH: 1300 457 467.

**PASSENGER FACILITIES**

LG/WC

APRONS AND TAXIWAYS

TWY and ACFT PRKG APN are sealed.

PHYSICAL CHARACTERISTICS

09/2729aSealed. RWY LEN 880M.WID 10RWS 30

18/3620cGrass, soft when wet conditions. RWY LEN 600M.WID 30

ATS AND AERODROME COMMUNICATION FACILITIES

FIA MELBOURNE CENTRE126.8 2000FT

CTAF 126.7

CHARTS RELATED TO THE AERODROME

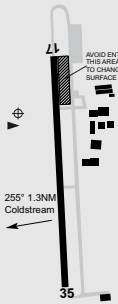
WAC 3469.

COLDSTREAM

ELEV 280

AVFAX CODE 3064

FULL NOTAM SERVICE NOT AVBL



VIC374342S1452432EUTC +10YCEMVAR 12 DEG EUNCR

AD OPR Yarra Valley Flight Training, 96 Killara Road (PO Box 54), Coldstream, VIC, 3770. Email: flying@yvft.com.au. PH 03 9739 1406. Fax 03 9739 0237.

REMARKS

PPR - CTC Yarra Valley Flight Training, Coldstream. PH 03 9739 1406, DLY 2300-0700. Permission to OPR is NOT AVBL on CTAF

HANDLING SERVICES AND FACILITIES

H24 AVGAS Card swipe bowser, V, MC, EFTPOS. CTC AD OPR for further details.

METEOROLOGICAL INFORMATION PROVIDED

1. METAR/SPECI.
2. AWIS PH 03 8470 3205 - Report faults to BoM.
3. AWIS FREQ 133.4 (requires one-second pulse to activate) - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

17/3526a/cUnrated. Gravel. Central 8M sealed. RWY LEN 795M. WID 10RWS 50

ATS AND AERODROME COMMUNICATION FACILITIES

FIA MELBOURNE CENTRE135.7 Circuit area

FLIGHT PROCEDURES

1. Fly Neighbourly procedures are in operation. Prior briefing required.
2. Circuit altitude 1,500FT AMSL.
3. Right hand circuits RWY 35.
4. Avoid noise sensitive area out to 1NM E of AD boundary.
5. Midfield crosswind joins not permitted.
6. Track via power line easement S of AD for RWY 17 crosswind and RWY 35 base legs.
7. Remain N of AD boundary for RWY 35 crosswind leg.
8. PPR for RWY 35 straight-in approaches.
9. On RWY 35 DEP, delay crosswind turn until N of the Maroondah Highway.
10. Upwind DEP off RWY 17 are not permitted due to proximity to terrain and noise sensitive area to the S.

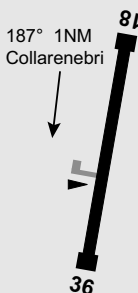
CTAF 119.1

ADDITIONAL INFORMATION

PJE OPS take place at Lilydale ALA which is 3NM to the W.

CHARTS RELATED TO THE AERODROME

WAC 3469, 3470.

**COLLARENEBRI****ELEV 500****FULL NOTAM SERVICE NOT AVBL**187° 1NM  
Collarenebri

NSW  
293119S 1483456E  
AD OPR Walgett Shire Council, PO Box 31, Walgett, NSW, 2832.  
PH 02 6828 1399. Mobile AH 0427 125 996. Fax 02 6828 1608.

UTC +10  
VAR 10 DEG E

YCBR  
UNCR

**PASSENGER FACILITIES**

No fuel or facilities AVBL.

**APRONS AND TAXIWAYS**

TWY and APN sealed.

**AERODROME OBSTACLES**

Unlit tower 550FT BRG 116 MAG 1,256M FM S end RWY 18/36.

**PHYSICAL CHARACTERISTICS**

18/36 40a Unrated. Sealed. RWY LEN 1,218M WID 20 RWS 60

**AERODROME AND APPROACH LIGHTING**

RWY 18/36 LIRL PAL 120.55

RWY 18/36 edge light spacing: 90M.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 127.1 Circuit area

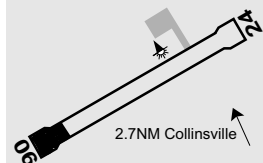
CTAF 126.7

**ADDITIONAL INFORMATION**

Caution: animal and bird life may be present.

**CHARTS RELATED TO THE AERODROME**

WAC 3356, 3357.

**COLLINSVILLE****ELEV 591****AVFAX CODE 4409****FULL NOTAM SERVICE NOT AVBL**

QLD  
203546S 1475136E  
AD OPR Whitsunday Regional Council, PO Box 104, Proserpine,  
QLD, 4800. Mobile 0417 762 235: 0448 629 779.

UTC +10  
VAR 8 DEG E

YCSV  
UNCR

**REMARKS**

1. PPR for all OPS.
2. AD Charges: All ACFT.

**HANDLING SERVICES AND FACILITIES**

Nil fuel AVBL.

**PASSENGER FACILITIES**

LG (small terminal building)/WC/PT.

**AERODROME AND APPROACH LIGHTING**

RWY 06/24 LIRL PAL 119.6 (Standby power AVBL).

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 135.5 Circuit area

**LOCAL TRAFFIC REGULATIONS**

1. Pavement Restriction: RWY 06/24 not AVBL ACFT ABV 5,700KG MTOW.
2. AD not suitable in wet WX or after rain.

**FLIGHT PROCEDURES**

Right hand circuits required when OPR on RWY 24.

CTAF 126.7

ADDITIONAL INFORMATION

1.

Animal hazard exists.
2.

Caution: Blasting at mine 0.6NM S of ARP.
3.

A signal circle is provided.

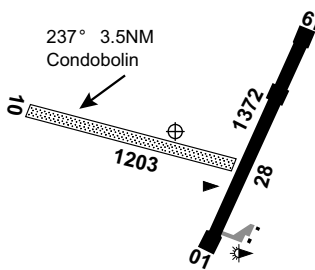
CHARTS RELATED TO THE AERODROME

WAC 3234, 3235.

CONDOBOLIN

ELEV 654

AVFAX CODE 2213



NSW

330352S      1471233E

UTC +10      YCDO

VAR 11 DEG E      CERT

AD OPR Lachlan Shire Council, PO Box 216, Condobolin, NSW,  
2877. PH 02 6895 1900.

REMARKS

AD Charges: ACFT over 5,700KG.

PASSENGER FACILITIES

WC/TX PH 0400 499 299.

METEOROLOGICAL INFORMATION PROVIDED

1.

METAR/SPECI.
2.

AWIS PH 02 9353 6413 - Report faults to BoM.

PHYSICAL CHARACTERISTICS

|       |     |     |                             |        |         |
|-------|-----|-----|-----------------------------|--------|---------|
| 01/19 | 014 | 45a | PCN 6 /F /C /580 (84PSI) /T | WID 30 | RWS 150 |
| 10/28 | 094 | 39c | Unrated. Grassed red clay   | WID 30 | RWS 90  |

AERODROME AND APPROACH LIGHTING

RWY 01/19      LIRL      PAL+AA 120.6

OTHER LIGHTING

TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA      MELBOURNE CENTRE      134.65 Circuit area

CTAF 126.7

ADDITIONAL INFORMATION

Animal hazard exists.

CHARTS RELATED TO THE AERODROME

1.

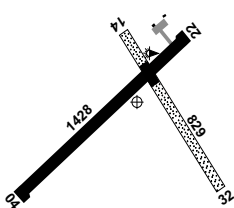
WAC 3457, 3456.
2.

Also refer to AIP Departure and Approach Procedures.

COOBER PEDY

ELEV 745

AVFAX CODE 5201



SA

290224S      1344315E

UTC +9:30      YCBP

VAR 6 DEG E      CERT

AD OPR District Council of Coober Pedy, PO Box 425, Coober Pedy, SA,  
5723. ARO 0400 108 230. OPS MGR 0418 844 593.  
Council PH 08 8672 4600. Website: [www.cooberpedy.sa.gov.au](http://www.cooberpedy.sa.gov.au).

REMARKS

1.

AD Charges - All ACFT refer to website.
2.

This AD is a Security Controlled Airport.

**HANDLING SERVICES AND FACILITIES**

VIVA Energy Aviation - Underground Books: MON-FRI 0800-1700 Local. Weekends and PH by 48HR prior arrangement - call-out fee \$165. PH 0428 829 795 or 0427 733 220.

AVGAS H24 swipe bowser - accepts Viva Fuel2Sky card, V, MC and debit card (pin number RQ for all credit cards).

JET A1 bowser OPR call-out RQ at all times. No JET A1 refuelling after 1700 Local on any day.

**PASSENGER FACILITIES**

WC/HC (PH 0417 805 891)/LG (Limited times)

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT D, METAR/SPECI.
2. AWIS PH 08 8150 3803 - Report faults to BoM.
3. AWIS FREQ 122.125 - Report faults to AD OPR (requires one-second pulse to activate).

**PHYSICAL CHARACTERISTICS**

|       |     |     |                                  |        |         |
|-------|-----|-----|----------------------------------|--------|---------|
| 04/22 | 043 | 47a | PCN 8 / F / A / 870 (126PSI) / U | WID 30 | RWS 150 |
| 14/32 | 145 | 27c | 5700/520 (75PSI) Unrated. Gravel | WID 30 | RWS 90  |

**AERODROME AND APPROACH LIGHTING**

RWY 04/22 LIRL PAL+AA 119.6

RWY 04/22 PTBL(1)

BY PRIOR ARRANGEMENT

RWY 14/32 PTBL(1)

BY PRIOR ARRANGEMENT

(1) EMERG only.

RWY edge light spacing: 04/22: 90M.

**OTHER LIGHTING**

TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 120.7 7000FT

**RADIO NAVIGATION AND LANDING AIDS**

|     |                  |     |           |            |                  |     |
|-----|------------------|-----|-----------|------------|------------------|-----|
| NDB | CBP              | 341 | 290154.5S | 1344325.6E | Range 50 (HN 50) | (1) |
| (1) | Pilot monitored. |     |           |            |                  |     |

**LOCAL TRAFFIC REGULATIONS**

1. All ACFT ABV 3,000KG to turn at turning nodes only, using MAX RAD turns.
2. PRKG restrictions for non RPT aircraft on sealed apron area. Permit obtainable FM AD Manager on at least 48 HR PN.

**CTAF - AFRU** 126.7

**ADDITIONAL INFORMATION**

Bird hazard exists.

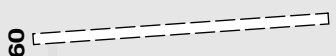
**CHARTS RELATED TO THE AERODROME**

1. WAC 3354.
2. Also refer to AIP Departure & Approach Procedures.

**COOINDA**

**ELEV 43**

**FULL NOTAM SERVICE NOT AVBL**

|                                                                                     |                                                                                                             |           |             |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-----------|-------------|
|  | NT                                                                                                          | UTC +9:30 | YCOO        |
|                                                                                     | 125410S                                                                                                     | 1323156E  | VAR 3 DEG E |
|                                                                                     | AD OPR Kakadu Tourism (GLC) Pty Ltd, PO Box 170,<br>Jabiru, NT, 0886. PH 08 8979 1500. Mobile 0407 612 756. |           |             |

**REMARKS**

PPR to use the AD.

**PASSENGER FACILITIES**

Telstra 3G AVBL.

**PHYSICAL CHARACTERISTICS**

|       |     |                                        |        |        |
|-------|-----|----------------------------------------|--------|--------|
| 09/27 | 42c | 5700/ Unrated. Gravel. RWY LEN 1,282M. | WID 30 | RWS 90 |
|-------|-----|----------------------------------------|--------|--------|

134.65 On ground



**LOCAL TRAFFIC REGULATIONS**

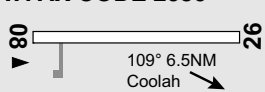
ACFT DEP Cooktown for Cairns that have obtained a Landing Slot Time FM ATC will be processed more expeditiously.

**CTAF - AFRU** 126.7

**CHARTS RELATED TO THE AERODROME**

1. WAC 3112.
2. Also refer to AIP Departure & Approach Procedures.

**COOLAH****ELEV 1654****AVFAX CODE 2036****FULL NOTAM SERVICE NOT AVBL**


 NSW  
 314624S 1493634E  
 AD OPR Warrumbungle Shire Council, PO Box 191, Coonabarabran, NSW, 2357. PH 02 6849 2000: AD Manager 0429 771 758. Fax 6842 1337.

**PHYSICAL CHARACTERISTICS**

08/26 35c 5700/450 (65PSI) Brown gravel grass. WID 30 RWS 90

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 127.1 Circuit area

**ADDITIONAL INFORMATION**

Animal and bird hazard exists. Kangaroos are likely at dusk and at night.

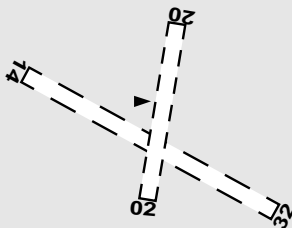
**CTAF** 126.7

**CHARTS RELATED TO THE AERODROME**

WAC 3356, 3357.

**COOLATAI****ELEV 1230****FULL NOTAM SERVICE NOT AVBL**

NSW  
 290839S 1504329E  
 AD OPR Stephen Hunt, Pineview 341 Yallaro Road, Coolatai, NSW, 2402.  
 Email: sbandlt\_hunt@bigpond.com. PH 0474 821 312.

**REMARKS**

1. PPR.
2. Daylight OPS only.

**HANDLING SERVICES AND FACILITIES**

ULP 95 AVBL by prior arrangement.

**AERODROME OBSTACLES**

1. Windsock NNE of cross strip junction.
2. Hangar SSE of cross strip junction.
3. Tied windmill (not indicating wind) adjacent to THR RWY 14.
4. Trees on RWY 02/20 approaches.

PHYSICAL CHARACTERISTICS

|       |     |     |                  |        |        |
|-------|-----|-----|------------------|--------|--------|
| 02/20 | 013 | 32c | Grass over clay. | WID 20 | RWS 40 |
| 14/32 | 127 | 31c | Grass over clay  | WID 20 | RWS 50 |

ATS AND AERODROME COMMUNICATION FACILITIES

FIA BRISBANE CENTRE 127.1

CTAF 126.7

ADDITIONAL INFORMATION

Livestock and wildlife hazards at times.

CHARTS RELATED TO THE AERODROME

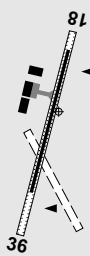
WAC 3357.

COOMA - POLO FLAT

ELEV 2701

AVFAX CODE 2114

FULL NOTAM SERVICE NOT AVBL



NSW  
361345S 1490858E  
AD OPR Snowy Hydro, PO BOX 332, Cooma, NSW, 2630.  
Email: colin@helisurveys.com.au. PH 02 6100 3220. Mobile 0400 832 147.

UTC +10  
VAR 13 DEG E  
YPFT  
UNCR

REMARKS

- 1. PPR. Phone 02 6100 3220.
- 2. RWY currently closed to fixed wing ACFT.

HANDLING SERVICES AND FACILITIES

Nil fuel AVBL.

PHYSICAL CHARACTERISTICS

|       |    |                  |
|-------|----|------------------|
| 12/30 | 30 | Grass            |
| 18/36 | 49 | Tarmac and grass |

ATS AND AERODROME COMMUNICATION FACILITIES

FIA MELBOURNE CENTRE 120.75 Only AVBL ABV 3700FT (Circuit HT)

FLIGHT PROCEDURES

- 1. Right hand circuits RWY 30 and 36.
- 2. Landing on grass on E side of 18/36 beside tarmac is encouraged and preferred.

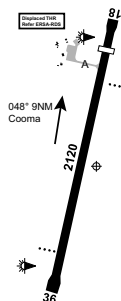
CTAF 118.1

ADDITIONAL INFORMATION

- 1. Gates are locked and cattle graze on airfield when no OPS scheduled.
- 2. GPS Approach AVBL on RWY 18.
- 3. Glider OPS at Bunyan airstrip, 6NM to N, HJ generally weekends. Monitor 122.7 for glider OPS. Tug ACFT monitor 122.7 and 118.1 when airborne.
- 4. Cooma - Snowy Mountains AD located 9NM SW, FREQ 118.1. Separate ERSA entry.
- 5. Model ACFT OPR WI 500M radius of PSN 361312.00S 1490936.00E BRG 029 MAG 0.8NM FM Cooma-Polo Flat (YPFT) SFC to 1,000FT AGL.

CHARTS RELATED TO THE AERODROME

- 1. WAC 3470.
- 2. Also refer to AIP Departure and Approach Procedures.

**COOMA - SNOWY MOUNTAINS****ELEV 3106****AVFAX CODE 2113**

NSW 361802S 1485826E UTC +10 YCOM  
 VAR 13 DEG E CERT  
 AD OPR General Manager, Snowy Mountains Airport - Cooma, PO Box 35,  
 Jindabyne, NSW, 2627. Email: aviation@snowymountainsairport.com.au.  
 ARO H24 0415 582 069.

**REMARKS**

- AD Charges (All exclude GST):  
 \$15.00/tonne - MNM \$15.00 for single engined ACFT,  
 \$30 for other ACFT. Helicopters and Ultra-lights:  
 \$7.50/tonne - MNM charge \$7.50. Night landing fee: \$30.00 from  
 2000 Local. Over night parking: \$15.00/night - \$45.00/week.  
 Commercial charters: 5 or more PAX - PAX tax \$12.50/PAX arriving and  
 departing. Tonnage fee or PAX tax apply - which ever is higher.  
 Charter flight require PN.
- This AD is a Security Controlled Airport.

**HANDLING SERVICES AND FACILITIES**

Nil fuel AVBL.

**PASSENGER FACILITIES**

TX - 02 6452 7777 (taxi's travel from Cooma township)/LG and RF - AVBL HS/WC - H24.

**AERODROME OBSTACLES**

Lit hazard lights:

- 3,775FT AMSL BRG 334 DEG MAG 5,056M FM ARP. Obstructs inner HZS by 559.06FT. Flashing.
- 3,558FT AMSL BRG 111 DEG MAG 2,284M FM ARP. Obstructs inner HZS by 342.52FT. Flashing.
- 3,270FT AMSL BRG 352 DEG MAG 3,616M FM ARP. Obstructs RWY 36 TKOF climb SFC by 63.65FT.
- 3,223FT AMSL BRG 358 DEG MAG 3,698M FM ARP. Obstructs RWY 36 TKOF climb SFC by 8.53FT.
- 3,248FT AMSL BRG 002 DEG MAG 3,944M FM ARP. Obstructs RWY 36 TKOF climb SFC by 17.72FT.

**METEOROLOGICAL INFORMATION PROVIDED**

- TAF CAT D, METAR/SPECI.
- AWIS PH 02 9353 6414 - Report faults to BoM.

**PHYSICAL CHARACTERISTICS**

18/36 180 70a PCN 12 / F / A / 650 (94PSI) / T WID 30 RWS 150

**AERODROME AND APPROACH LIGHTING**

RWY 18/36 LIRL AFRU+PAL 118.1 SDBY PWR AVBL  
 RWY 18/36 PAPI(1) AFRU+PAL 118.1 3.0 DEG40FT SDBY PWR AVBL

(1) Left side. Lighting status confirmed on PAL.

RWY edge light spacing: 18/36: 60M.

**OTHER LIGHTING**

HBN HBNS: Located NNW and SE of AD.

- SDBY PWR supplies by AD generator in the event of mains PWR failure.
- TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 120.75 Circuit area (On ground COM contact 119.4)

**RADIO NAVIGATION AND LANDING AIDS**

DME COM 114.0/ 87X 362115.5S 1485727.7E (1)  
 NDB COM 293 362113.6S 1485727.1E Range 80 (HN 70) (2)  
 (1) Antenna ELEV 3026FT - Pilot monitored.  
 (2) 003/3.3 to ARP - Pilot monitored.

LOCAL TRAFFIC REGULATIONS

1. **Parking restrictions**

a. To avoid OBST to RPT ACFT, parking for GA ACFT BLW 5,700KG MTOW AVBL E and ADJ to RPT Bay 3 and 3A.

b. ACFT parking in RPT bays require PN on Monday, Thursday, Friday 0800-1800 Local.

c. RPT Bays 1 and 2 suitable up to DH8D.

d. RPT Bays 1A and 2A suitable up to SF34.

e. RPT Bays 3 and 3A suitable up to JS32.
2. **RWY 18/36 turning restrictions**

a. Pilots to use full RWY width when turning (no sharp turns).

b. ACFT ABV 5,700KG MTOW must only turn at the turn pads.

CTAF - AFRU 118.1

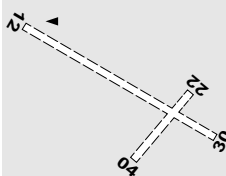
ADDITIONAL INFORMATION

1. Bird and animal hazard exists.
2. Gliders OPR FM Bunyan Airstrip 12.5NM NE Cooma HJ, generally JF, and monitor 122.7, or CTAF when WI 10NM of Cooma AD. Tug ACFT when airborne monitor CTAF and 122.7.
3. Polo Flat airfield located adjacent to Cooma Township and 9NM NE of Cooma - Snowy Mountains AD. Polo Flat has a separate ERSA entry.
4. Risk of snowfall or heavy frost year-round. Highest risk from May to October. No snow clearing or de-icing equipment AVBL.

CHARTS RELATED TO THE AERODROME

1. WAC 3470.
2. Also refer to AIP Departure and Approach Procedures.

COOMINYA



QLD  
272330S                      1522742E  
AD OPR J & L Walmsley, 62 Kiernan Lane, Coominya, QLD, 4311.  
Email: cftjohn@westnet.com.au. Mobile 0413 452 547.

REMARKS

1. PPR.
2. RAA training OPS HJ.

ELEV 330

FULL NOTAM SERVICE NOT AVBL

HANDLING SERVICES AND FACILITIES

MOGAS AVBL by arrangement.

AERODROME OBSTACLES

Powerlines at end of RWY 30 and RWY 04 marked with orange balls.

PHYSICAL CHARACTERISTICS

04/22                      13c    Unrated. Grass. RWY LEN 400M.                      WID 50

12/30                      33c    Unrated. Grass. RWY LEN 1,000M.                      WID 50

ATS AND AERODROME COMMUNICATION FACILITIES

FIA                      BRISBANE CENTRE                      121.2 Circuit area

LOCAL TRAFFIC REGULATIONS

1. Taxiing ACFT crossing RWY 04/22, stop and broadcast intentions before crossing.
2. Carriage and use of radio is required by the AD OPR.
3. RWY 04/22 Ultralight training only (5 DEG slope to SW).

FLIGHT PROCEDURES

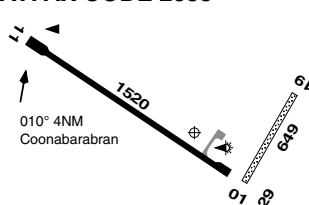
1. Right hand CCTS required on RWY 12 and RWY 04.
2. Circuit ALT 1,000FT AMSL (670FT AGL) - all ACFT.
3. Controlled airspace Amberley 1,500FT step directly ABV AD. See AMB ERSA entry and VTC for requirements.
4. Fly neighbourly - noise sensitive neighbours, see Coominya Flight Training website for map.

**CTAF 126.7****ADDITIONAL INFORMATION**

1. Flight training seven days per week.
2. Animal hazard exists.
3. Avoid model ACFT 1,500M NE of AD.
4. UAV up to 65KG in operation.
5. Windy conditions can produce mechanical TURB on APCH and DEP.

**CHARTS RELATED TO THE AERODROME**

WAC 3340.

**COONABARABRAN****ELEV 2117****AVFAX CODE 2033**

NSW  
311957S 1491602E UTC +10 YCBB  
AD OPR Warrumbungle Shire Council, PO Box 191, CERT  
Coonabarabran, NSW, 2357. PH 02 6849 2000.  
ARO 6849 2000. Fax 6842 1337.

**AERODROME OBSTACLES**

1. Lit COM TWR 2,222FT AMSL, 312008.10S  
1491712.76E BRG 084 MAG 1,770M FM ARP.
2. Lit COM TWR 2,939FT AMSL, 311919.50S  
1491124.42E BRG 266 MAG 7,600M FM ARP.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT D, METAR/SPECI.
2. AWIS PH 02 9353 6415 - Report faults to BoM.
3. AWIS FREQ 125.45 (requires one-second pulse to activate) - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

|       |     |     |                              |        |         |
|-------|-----|-----|------------------------------|--------|---------|
| 01/19 | 019 | 21c | Unrated. Grass.              | WID 60 | RWS 90  |
| 11/29 | 112 | 50a | PCN 12 /F /C /580 (84PSI) /T | WID 30 | RWS 150 |

**AERODROME AND APPROACH LIGHTING**

RWY 11/29 LIRL PAL+AA 119.2

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 127.1 Circuit area

**FLIGHT PROCEDURES**

Pilots are requested to avoid overflight of the Siding Spring Observatory (BRG 277 MAG 10.8NM FM ARP).

**CTAF 126.7****ADDITIONAL INFORMATION**

Animal and bird hazard exists. Kangaroos are likely at dusk and at night.

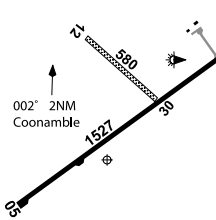
**CHARTS RELATED TO THE AERODROME**

1. WAC 3356, 3357.
2. Also refer to AIP Departure and Approach Procedures.

COONAMBLE

ELEV 604

AVFAX CODE 2214



NSW  
305900S  
AD OPR Coonamble Shire Council, PO Box 249, Coonamble, NSW, 2829.  
PH 02 6827 1900. ARO H24 - 0407 253 754. Fax 6822 1626.

UTC +10  
VAR 11 DEG E

YCNM  
CERT

REMARKS

This AD is a Security Controlled Airport.

HANDLING SERVICES AND FACILITIES

AVGAS AVBL H24 via self-serve bowser activated by credit card and Skyfuel carnet card. PH 0418 862 100 or refer [www.skyfuel.com.au](http://www.skyfuel.com.au) for site orientation.

PASSENGER FACILITIES

WC.

AERODROME OBSTACLES

- Lit TWR 774FT AMSL BRG 011 DEG MAG 1.83NM FM ARP. Infringes OLS by 26FT.
- Lit silo 742FT AMSL BRG 357 DEG MAG 1.5NM FM ARP.

METEOROLOGICAL INFORMATION PROVIDED

- METAR/SPECI.
- AWIS PH 02 9353 6416 - Report faults to BoM.
- AWIS FREQ 128.075 (activate with 5 second pulse on PTT) - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

|       |     |     |                                 |        |         |
|-------|-----|-----|---------------------------------|--------|---------|
| 05/23 | 043 | 50a | PCN 9 / F / B / 580 (84PSI) / T | WID 30 | RWS 150 |
| 12/30 | 118 | 19c | Unrated. Grass black clay.      | WID 30 | RWS 90  |

AERODROME AND APPROACH LIGHTING

RWY 05/23 LIRL(1)

(1) HN and low LGT conditions.

RWY edge light spacing: 05/23: 100M.

OTHER LIGHTING

TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA BRISBANE CENTRE 127.1 Circuit area

LOCAL TRAFFIC REGULATIONS

Confine all OPS to RWY, RWS not suitable for OPS.

CTAF 126.7

ADDITIONAL INFORMATION

- Bird hazard exists.
- Significant kangaroo hazard exists.

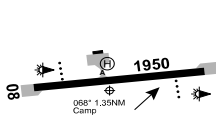
CHARTS RELATED TO THE AERODROME

- WAC 3356, 3357.
- Also refer to AIP Departure and Approach Procedures.

COONDEWANNA

ELEV 2327

AVFAX CODE 6829



WA  
225800S  
AD OPR BHP Iron Ore Pty Ltd, 125 St Georges Terrace, Perth, WA, 6000.  
Email: [macairportsup@bhp.com](mailto:macairportsup@bhp.com). Email: [coondevanna.mail@bhp.com](mailto:coondevanna.mail@bhp.com).  
ARO 0400 387 986.

UTC +8  
VAR 1 DEG E

YCWA  
CERT

REMARKS

- Restricted OPS. PPR from AD OPR.
- All OPS - advise AD OPR at least 20 MIN prior to ETA on 129.75.

## HANDLING SERVICES AND FACILITIES

AIR BP: JET A1 CTC ARO.

Marshalling is provided for all fixed wing aircraft.

## PASSENGER FACILITIES

LG/RF/WC. Telstra 4G mobile reception.

## AERODROME OBSTACLES

1. Significant high terrain WI circuit area.
2. Numerous OBST penetrate inner HZS:
  - a. LCA BTN 050DEG M and 075DEG M, 2.16NM FM ARP, 2,600FT; and
  - b. LCA BTN 100DEG M and 270DEG M, 1.24NM FM ARP, 2,950FT.
3. Numerous OBST penetrate conical SFC:
  - a. LCA BTN 308DEG M and 030DEG M, 2.64NM FM ARP, 2,670FT;
  - b. LCA BTN 110DEG M and 135DEG M, 2.64NM FM ARP, 2,950FT; and
4. Lit TWR 164FT AGL BRG 121 MAG 3.12NM FM ARP, 390FT.

## METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT C, METAR/SPECI.
2. AWIS FREQ 122.325 (requires one one-second pulse to activate) - Report faults to ARO.

## PHYSICAL CHARACTERISTICS

08/26      082   64a   PCN 44 /F /A /1440 (209PSI) /T Grooved.      WID 30      RWS 150

## AERODROME AND APPROACH LIGHTING

|           |         |              |             |               |
|-----------|---------|--------------|-------------|---------------|
| RWY 08/26 | LIRL(1) | PAL+AA 120.2 |             | SDBY PWR AVBL |
| RWY 08    | PAPI(2) | PAL+AA 120.2 | 3.1 DEG45FT | SDBY PWR AVBL |
| RWY 26    | PAPI(2) | PAL+AA 120.2 | 3.1 DEG43FT | SDBY PWR AVBL |

(1) Spacing 60M

(2) Left side.

1. PWR supplied by mains - SDBY PWR auto switchover 14 SEC.
2. IWI will activate on PAL and PRI IWI will flash in last 10MIN of 30MIN cycle.
3. PAL activation INTER at LSALT to N of AD.
4. All lighting manually activated by ARO 30MIN prior to scheduled arrival and deactivated 15MIN after departure.

## OTHER LIGHTING

TWY LGT: Blue edge.

## ATS AND AERODROME COMMUNICATION FACILITIES

FIA      MELBOURNE CENTRE      128.15 Circuit area

## LOCAL TRAFFIC REGULATIONS

1. RWY 08/26: All ACFT ABV 5,700KG must make MAX RAD turns at MNM speed at turning nodes to avoid SFC damage.
2. All ACFT are required to backtrack on RWY centreline.
3. All ACFT to follow APN markings.
4. Marked HEL landing/lift-off area – located right hand side upon entry to APN.
5. No fuel AVBL Bay 3 or HEL landing/lift-off area.
6. Night OPS – Code C ACFT PRKG Bays 1 and 2.

## FLIGHT PROCEDURES

Right hand CCTS RWY26.

## CTAF 127.05

AFRU at Fortescue Dave Forrest AD (YDFD). AFRU not heard on ground at Coondewanna.

## ADDITIONAL INFORMATION

Blasting occurs within 3.5NM NE and SE of AD, and then in a line 10NM to the E. SFC to 3,000FT. Blasting can occur between 0600 and 1800 Local. Dust plumes may occur following a blast, ARO will contact ACFT on 129.75 if there are visibility concerns due to lingering dust.

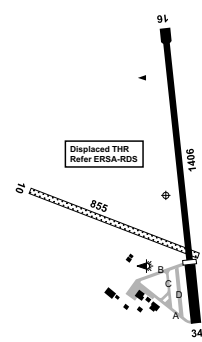
## CHARTS RELATED TO THE AERODROME

1. WAC 3229.
2. Also refer to AIP Departure and Approach Procedures.

COOTAMUNDRA

ELEV 1110

AVFAX CODE 2132



Displaced THR  
Refer ERSA-RDS

NSW  
343728S  
AD OPR Cootamundra-Gundagai Regional Council, PO Box 420,  
Cootamundra, NSW, 2590. PH 02 6940 2100. Fax 6940 2127.

UTC +10  
1480209E  
VAR 12 DEG E  
YCTM  
CERT

**HANDLING SERVICES AND FACILITIES**

Aero Refuellers AVGAS; Bowser accepts Aero Refuellers carnet card, MC, VISA (debit and credit). For information phone 02 6041 1599 (Office HR). South West Aviation PTY LTD: JET A1 PH 02 6942 2956. CTC operator to check availability. Call-out fees may apply after hours. V or MC.

**APRONS AND TAXIWAYS**

1.

TWY A AVBL to ACFT up to Code B.

2.

TWY D AVBL to RFS ACFT only.

PHYSICAL CHARACTERISTICS

|                                                                                |     |     |                              |        |        |
|--------------------------------------------------------------------------------|-----|-----|------------------------------|--------|--------|
| 10/28                                                                          | 099 | 28c | Unrated. Grassed black clay. | WID 30 | RWS 90 |
| 16/34                                                                          | 162 | 46a | PCN 2 /F /B /650 (94PSI) /T  | WID 18 | RWS 90 |
| 1. RWY 16/34 18(60), widens to 30(100) at N end. Not AVBL to ACFT ABV 5,700KG. |     |     |                              |        |        |
| 2. RWY 10/28 and all grass areas not AVBL to ACFT ABV 5,700KG.                 |     |     |                              |        |        |

AERODROME AND APPROACH LIGHTING

RWY 16/34 LIRL PAL 122.4  
RWY edge light spacing: 16/34: 90M.

OTHER LIGHTING

TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

|     |                  |                                   |
|-----|------------------|-----------------------------------|
| FIA | MELBOURNE CENTRE | 124.1 Circuit area (ARR/DEP EAST) |
| FIA | MELBOURNE CENTRE | 134.65 4,000FT (ARR/DEP WEST)     |

FLIGHT PROCEDURES

Right hand circuits required when OPR on RWY 34.

CTAF 126.7

ADDITIONAL INFORMATION

Model ACFT OPR WI 500M RAD of PSN 344306.00S 1480218.00E BRG 164 MAG 5.9NM FM Cootamundra AD (YCTM) SFC to 2,000FT AGL.

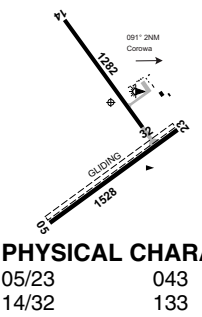
CHARTS RELATED TO THE AERODROME

1. WAC 3456, 3457.
2. Also refer to AIP Departure and Approach Procedures.

COROWA

ELEV 469

AVFAX CODE 3040



091° 2NM  
Corowa

GLIDING  
1528

NSW  
355925S  
AD OPR Federation Council, 100 Edward Street, Corowa, NSW, 2646.  
Email: council@federationcouncil.nsw.gov.au. PH 02 6033 8999.  
PH AH 1800 110 088. Fax 02 6033 3317.

UTC +10  
1462105E  
VAR 12 DEG E  
YCOR  
CERT

**SURFACE MOVEMENT GUIDANCE**

RWY fixed distance and TDZ markings not provided.

**PHYSICAL CHARACTERISTICS**

|       |     |     |                              |        |         |
|-------|-----|-----|------------------------------|--------|---------|
| 05/23 | 043 | 50a | PCN 12 /F /C /580 (84PSI) /U | WID 23 | RWS 150 |
| 14/32 | 133 | 42a | PCN 12 /F /C /580 (84PSI) /U | WID 18 | RWS 90  |



**AERODROME AND APPROACH LIGHTING**

RWY 05/23 LIRL(1) PAL+AA 119.6

(1) LGT laterally spaced at 45M.

RWY edge light spacing: 05/23: 90M.

**OTHER LIGHTING**

TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 125.2 Circuit area

**RADIO NAVIGATION AND LANDING AIDS**

NDB COR 380 355914.9S 1462125.9E Range 85 (HN 75)

**CTAF** 132.45**ADDITIONAL INFORMATION**

1. Glider flying OPS HJ November - March every year, OT HJ JF. Gliders OPR WI extended RWS.
2. Gliders fly right hand circuits for RWY 14 and 05.
3. Bird and animal hazard exists.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3457.
2. Also refer to AIP Departure and Approach Procedures.

**CORRYONG****ELEV 963****AVFAX CODE 2139**


VIC 361058S 1475316E UTC +10 YCRG  
VAR 12 DEG E CERT  
AD OPR Towong Shire Council, PO Box 55, Tallangatta, VIC, 3700.  
Email: ycrg.ado@towong.vic.gov.au. PH 02 6071 5100 (voicemail monitored after hours).

**HANDLING SERVICES AND FACILITIES**

Aero Refuellers: H24 card swipe. AVGAS and JET A1 bowsters. Accepts Aero Refuellers cards, V and MC. Phone: 0413 003 808.

**PASSENGER FACILITIES**

Telephone facilities not AVBL.

**AERODROME OBSTACLES**

1. Unlit TWR 1,644FT AMSL BRG 111 DEG MAG 3,199M FM ARP.
2. Lit TWR:
  - a. Mt Elliott 3,117FT AMSL BRG 080 DEG MAG 8,037M FM ARP.
  - b. Mt Mittamatite 3,379FT AMSL BRG 316 DEG MAG 4,469M FM ARP.

**PHYSICAL CHARACTERISTICS**

06/24 060 46a PCN 5 /F /A /450 (65PSI) /U Gravel. Central 18(60) WID 30 RWS 90  
and 190(623) FM each end sealed to WID 30.

**AERODROME AND APPROACH LIGHTING**

RWY 06/24 LIRL(1)

BY PRIOR  
ARRANGEMENT

(1) ACT by PAL+AA. PPR FM AD OPR.

**OTHER LIGHTING**

RWY edge light spacing: 06/24: 60M.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 125.2 3,500FT

**FLIGHT PROCEDURES**

1. Right hand circuits required when OPR on RWY 06.
2. Civil night OPS are not permitted without approval from CASA.

**CTAF** 126.7

ADDITIONAL INFORMATION

Ultralight training activity in vicinity of AD.

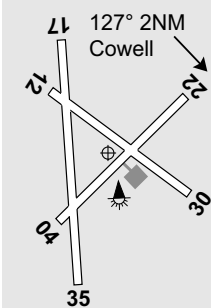
CHARTS RELATED TO THE AERODROME

1. WAC 3470.
2. Also refer to AIP Departure and Approach Procedures.

COWELL

ELEV 127

FULL NOTAM SERVICE NOT AVBL



SA  
334002S  
AD OPR District Council of Franklin Harbour, PO Box 71, Cowell, SA,  
5602. PH 08 8629 2231: 8629 2019. ARO AH 0427 973 219.  
Fax 08 8629 2152.

1365330E  
UTC +9:30  
VAR 7 DEG E  
YCWL  
UNCR

PHYSICAL CHARACTERISTICS

|       |     |     |                                                     |        |        |
|-------|-----|-----|-----------------------------------------------------|--------|--------|
| 04/22 | 038 | 39c | 5700/500 (73PSI) Unrated. Grass. Central 18 gravel. | WID 30 | RWS 90 |
| 12/30 | 121 | 35c | 5700/500 (73PSI) Unrated. Grass.                    | WID 30 | RWS 90 |
| 17/35 | 170 | 48c | 5700/500 (73PSI) Unrated. Grass.                    | WID 30 | RWS 45 |

AERODROME AND APPROACH LIGHTING

|                                     |                        |           |                      |
|-------------------------------------|------------------------|-----------|----------------------|
| RWY 04/22                           | LIRL                   | PAL 120.6 |                      |
| RWY 04/22                           | PTBL(1)                |           | BY PRIOR ARRANGEMENT |
| RWY 12/30                           | PTBL(1)                |           | BY PRIOR ARRANGEMENT |
| RWY 17/35                           | PTBL(1)                |           | BY PRIOR ARRANGEMENT |
| (1)                                 | EMERG only. 120MIN PN. |           |                      |
| RWY edge light spacing: 04/22: 60M. |                        |           |                      |

OTHER LIGHTING

TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA MELBOURNE CENTRE 125.9 Circuit area

CTAF 126.7

ADDITIONAL INFORMATION

Animal hazard exists.

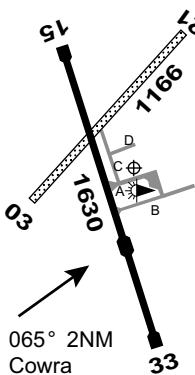
CHARTS RELATED TO THE AERODROME

WAC 3459.

COWRA

ELEV 973

AVFAX CODE 2134



NSW  
335041S  
AD OPR Cowra Shire Council, Private Bag 342, Cowra, NSW, 2794.  
ARO 0429 987 615. Council PH 02 6340 2000(ADMIN). Fax 6340 2011.

1483856E  
UTC +10  
VAR 12 DEG E  
YCWR  
CERT

REMARKS

1. AD Charges: Nil.
2. OPS in VIS less than 800M not supported.

HANDLING SERVICES AND FACILITIES

AVGAS and JET A1 AVBL 24H. Self-service terminal accepts V and MC.  
Phone BH 02 6341 1616, AH 6342 9256, 0428 637 253.

AERODROME OBSTACLES

1. Telstra TWR 1,463FT AMSL, 080 DEG MAG 2.6NM FM ARP (334944.67S 1484149.90E).
2. Tree 1,083FT AMSL BRG 150 DEG MAG 1,985M FM ARP. Infringes visual segment RWY 33 APCH.

METEOROLOGICAL INFORMATION PROVIDED

1. METAR/SPECI.
2. AWIS PH 02 9353 6417 - Report faults to BoM.
3. AWIS FREQ 133.625 (requires one-second pulse to activate) - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

|       |     |     |                              |        |        |
|-------|-----|-----|------------------------------|--------|--------|
| 03/21 | 029 | 38c | Unrated. Grassed red clay.   | WID 30 | RWS 80 |
| 15/33 | 150 | 53a | PCN 10 /F /B /580 (84PSI) /U | WID 30 | RWS 90 |

AERODROME AND APPROACH LIGHTING

RWY 15/33 LIRL AFRU+PAL 126.7

RWY edge light spacing: 15/33: 90M.

OTHER LIGHTING

TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA MELBOURNE CENTRE 135.25 On ground

RADIO NAVIGATION AND LANDING AIDS

|     |                  |     |           |            |                   |     |
|-----|------------------|-----|-----------|------------|-------------------|-----|
| NDB | CWR              | 299 | 335041.6S | 1483911.7E | Range 110 (HN 70) | (1) |
| (1) | Pilot monitored. |     |           |            |                   |     |

LOCAL TRAFFIC REGULATIONS

1. RWY 15/33 confine OPS to sealed RWY SFC.
2. RWS not ABVL for TKOF or LDG.

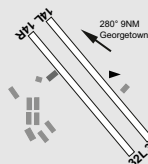
FLIGHT PROCEDURES

Right hand CCTS required when OPR on RWY 15.

CTAF - AFRU 126.7

CHARTS RELATED TO THE AERODROME

1. WAC 3456, 3457.
2. Also refer to AIP Departure and Approach Procedures.

**CRANBOURN****ELEV 300****FULL NOTAM SERVICE NOT AVBL**

TAS

410941S

1470053E

UTC +10

VAR 14 DEG E

YCRN

UNCR

AD OPR BG & M Hill & Partner, 1283 Dalrymple Road, Mount Direction, TAS,  
7252. PH 03 6394 8119: 0488 169 231.

**REMARKS**

1. PPR.
2. Local peculiarities apply - Contact AD OPR for details.

**PHYSICAL CHARACTERISTICS**

- 14L/32R 22c Unrated. Grass. RWY LEN 680M. Slope down WID 17 to SE.
- 14R/32L 22c Unrated. Grass with gravel. RWY LEN 680M. WID 31 Slope down to SE. Crests at 370M FM S end and 120M FM N end.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA LAUNY CENTRE (1) 123.8

(1) Outside LT TWR and APP HR ML CENTRE.

**FLIGHT PROCEDURES**

1. No simultaneous RWY OPS.
2. In nil wind conditions 32L/32R are to be used.
3. Circuits are to be flown to the west of the field with right hand circuits for RWY 14L/14R due to heavily forested areas to the east. Base leg for RWY 32L/32R are to be flown over a path indicated by white tyres mounted on fences 1.1KM south of RWY THR. No flying over houses in the circuit. For further information CTC AD OPR PH: 03 6394 8119.

**CTAF** 126.7**ADDITIONAL INFORMATION**

1. Rabbits may dig on RWY surface.
2. Soft wet surface at mid length of RWY after heavy rain.

**CHARTS RELATED TO THE AERODROME**

WAC 3556.

**CRESSY****ELEV 420****FULL NOTAM SERVICE NOT AVBL**

VIC

380224S

1433911E

UTC +10

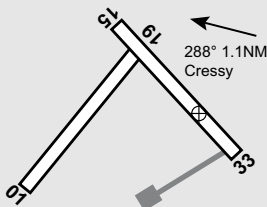
VAR 11 DEG E

YCRE

UNCR

AD OPR CSS Investments, 175 Aerodrome Road, Cressy, VIC, 3320.

Email: cressyaerodrome@iinet.net.au. PH 0481 327 587.

**REMARKS**

PPR.

**HANDLING SERVICES AND FACILITIES**

Fuel supplied by IOR Aviation Pty Ltd. AVGAS 100LL AVBL H24. Payment method via IOR Aviation tag for account holders or via the Fuelcharge APP. PH 1300 457 467.

PASSENGER FACILITIES

WC/RF/HC/AC.

AERODROME OBSTACLES

1. Powerlines on the approach to RWY 33.
2. Unlit TWY 355 DEG MAG 0.8NM FM ARP.

PHYSICAL CHARACTERISTICS

01/1936c

Grass. RWY LEN 1100M

WID 50

15/3330c

Grass. RWY LEN 900M

WID 50

AERODROME AND APPROACH LIGHTING

RWY 01/19PTBL(1)

BY PRIOR ARRANGEMENT

(1) 30MIN PN.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA MELBOURNE CENTRE 126.8

FLIGHT PROCEDURES

1. Right hand circuits when operating on RWY 01 and 33.
2. Pilots are encouraged to avoid overflying Cressy township and properties to the S.
3. Aircraft approaching from NW or W to track via Lake Rosine and when approaching from S track via the eastern shore of Lake Weering.

CTAF 126.7

ADDITIONAL INFORMATION

Railway tracks are close to the threshold of RWY 15 and 19.

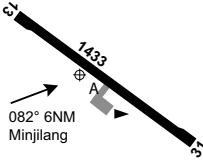
CHARTS RELATED TO THE AERODROME

WAC 3469.

CROKER ISLAND

ELEV 51

AVFAX CODE 8022



NT110955S1322902EUTC +9:30YCKI  
AD OPR West Arnhem Regional Council (Croker Island), Croker Island, NT, 0822. Email: frank.lamey@westarnhem.nt.gov.au. ARO 0419 947 865 H24 (All Enquiries).CERT

Telephone facilities not AVBL.

PASSENGER FACILITIES

PHYSICAL CHARACTERISTICS

13/31133 47a

Sealed

WID 23RWS 90

AERODROME AND APPROACH LIGHTING

RWY 13/31PTBL(1)

BY PRIOR ARRANGEMENT

(1) EMERG only.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA BRISBANE CENTRE 118.15 8000FT

CTAF 126.7

ADDITIONAL INFORMATION

Possibility of animals on movement area.

CHARTS RELATED TO THE AERODROME

WAC 3098.

**ELEV 2953**

**FULL NOTAM SERVICE NOT AVBL**

YCRL

UNCR

Day OPS only.

121.2 to East - on ground 121.2

124.1

**CTAF** 126.7

1. Turbulence due to Gullen range to West.
2. Down drafts over west end Gullen range in westerly winds.
3. West end Gullen Range may be higher than climb path.
4. Traffic on Kialla Road oriented North/South adjacent to E end of strip.
5. Radio contact may not be possible on ground.

WAC 3457.

**ELEV 350**

**FULL NOTAM SERVICE NOT AVBL**

60

YCRY

UNCR

AD OPR Croydon Shire Council, PO Box 17, Croydon, QLD,  
4871. PH 07 4748 7100: AD OPR AH 0419 613 243:  
0428 456 238: 0437 461 837.

## AD Charges: All ACFT.

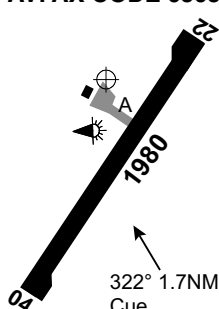
Phone 07 4745 6163. AVGAS AVBL with 2 weeks PN.

## RWY 09/27 PAL 119.6

## 118.6 3000FT

CTAF 126.7

WAC 3220.

**CUE****ELEV 1458****AVFAX CODE 6505**

WA

272648S

1175507E

UTC +8

VAR 0 DEG E

YCUE

CERT

AD OPR Shire of Cue, PO Box 84, Cue, WA, 6640.

Email: shire@cue.wa.gov.au. PH 08 9963 8600. ARO H24 0472 805 005.

**REMARKS**

1. PPR from AD OPR.
2. AD Charges apply all ACFT.

**HANDLING SERVICES AND FACILITIES**

Nil fuel and ground handling services AVBL.

**PASSENGER FACILITIES**

WC/Passenger terminal (by prior arrangement).

**APRONS AND TAXIWAYS**

TWY A width is 15M.

**AERODROME OBSTACLES**

1. 3 unlit TWR infringing inner HZS:
  - a. 1,829FT AMSL BRG 341 DEG MAG 2,842M FM ARP. Infringes inner HZS by 237FT.
  - b. 1,620FT AMSL BRG 324 DEG MAG 3,174M FM ARP. Infringes inner HZS by 29FT.
  - c. 1,608FT AMSL BRG 318 DEG MAG 2,647M FM ARP. Infringes inner HZS by 17FT.
2. IWI BRG 182 DEG MAG 188M FM ARP. Infringes TNS by 13FT.

**PHYSICAL CHARACTERISTICS**

04/22 041 65a PCN 12 /F /C /580 (84PSI) /U Sealed. WID 30 RWS 150

**AERODROME AND APPROACH LIGHTING**

RWY 04/22 LIRL(1) PAL 119.6 BY PRIOR ARRANGEMENT

(1) EMERG only. 30MIN PN REQ for manual activation.

RWY edge light spacing: 60M.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 122.6 Circuit area

**LOCAL TRAFFIC REGULATIONS**

1. Day VMC and EMERG night OPS only.
2. Parking by prior arrangement with AD OPR.
3. All ACFT must make MAX RAD MNM speed turns at RWY ends only to avoid SFC damage.

**CTAF** 126.7**ADDITIONAL INFORMATION**

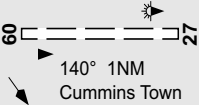
AD inspections on days of known airline servicing operations and in any other case at least twice a week. Additional inspections by arrangement with ARO. 24HR PN RQ. Fees apply.

**CHARTS RELATED TO THE AERODROME**

WAC 3346.

CUMMINS TOWN

AVFAX CODE 5311



ELEV 199

FULL NOTAM SERVICE NOT AVBL

SA

341510S      1354248E

UTC +9:30      YCMM

VAR 7 DEG E      UNCR

AD OPR District Council of Lower Eyre Peninsula, 32 Railway Terrace, Cummins, SA, 5631. PH 08 8676 0400.

METEOROLOGICAL INFORMATION PROVIDED

1. METAR/SPECI.

2. AWIS PH 08 8150 3804 - Report faults to BoM.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

MELBOURNE CENTRE

125.9 Circuit area

FLIGHT PROCEDURES

Right hand CCTS when OPR RWY 27.

CTAF 126.7

ADDITIONAL INFORMATION

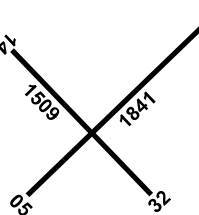
Bird hazard exists.

CHARTS RELATED TO THE AERODROME

WAC 3459.

CUNDERDIN

AVFAX CODE 6005



ELEV 705

WA

313720S      1171300E

UTC +8      YCUN

VAR 1 DEG W      CERT

AD OPR Cunderdin Shire Council, PO Box 100, Cunderdin, WA, 6407.  
Email: admin@cunderdin.wa.gov.au. PH 08 9635 1005.  
ARO 0409 686 938. Fax 08 9635 1464.

REMARKS

1. AD Charges: All ACFT.

2. PPR.

3. Gliding OPS HJ, Weekends and Public Holidays (2300-0830 UTC).

METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT D, METAR/SPECI.

2. AWIS Phone 08 6216 2608 - Report faults to BoM.

PHYSICAL CHARACTERISTICS

05/23      60a      PCN 8 / F / C / 850 (123PSI) / T      WID 30      RWS 90

14/32      50a      PCN 8 / F / C / 850 (123PSI) / T      WID 30      RWS 90

ADDITIONAL INFORMATION

AD OPR Cunderdin Shire Council, PO Box 100, Cunderdin, WA, 6407.  
Email: admin@cunderdin.wa.gov.au. PH 08 9635 1005.  
ARO 0409 686 938. Fax 08 9635 1464.

REMARKS

1. AD Charges: All ACFT.

2. PPR.

3. Gliding OPS HJ, Weekends and Public Holidays (2300-0830 UTC).

METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT D, METAR/SPECI.

2. AWIS Phone 08 6216 2608 - Report faults to BoM.

PHYSICAL CHARACTERISTICS

05/23      60a      PCN 8 / F / C / 850 (123PSI) / T      WID 30      RWS 90

14/32      50a      PCN 8 / F / C / 850 (123PSI) / T      WID 30      RWS 90

AERODROME AND APPROACH LIGHTING

RWY 05/23      LIRL(1)      AFRU+PAL 127.8

(1) Manual on REQ. LGT Laterally spaced at 50M.

RWY edge light spacing: 05/23: 90M.

OTHER LIGHTING

TWY LGT: Blue edge for taxiing on RWY 14/32 SW of RWY 05/23.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

MELBOURNE CENTRE

120.3 3000FT

RADIO NAVIGATION AND LANDING AIDS

NDB      CUN      293      313730.3S      1171326.5E      Range 140 (HN 85)      (1)

(1) Pilot Monitored

LOCAL TRAFFIC REGULATIONS

RWS 14/32 and RWS 05/23 width reduced to 60M during gliding OPS. All ACFT parked outside 60M RWS edge.



## FLIGHT PROCEDURES

Instrument approaches are not AVBL to CAT C ACFT during specified periods.

**CTAF - AFRU 127.8**

## ADDITIONAL INFORMATION

Gliders monitor 122.7 MHz.

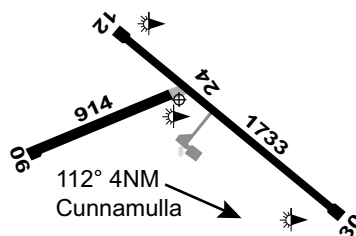
## CHARTS RELATED TO THE AERODROME

1. WAC 3351, 3462.
2. Also refer to AIP Departure and Approach Procedures.

## CUNNAMULLA

**ELEV 630**

**AVFAX CODE 4106**



QLD 280148S 1453720E UTC +10 YCMU  
 AD OPR Paroo Shire Council, PO Box 75, Cunnamulla, CERT  
 QLD, 4490. PH 07 4655 8400. ARO 4655 1777:  
 AH 0427 551 732. Fax 4655 1647.

## REMARKS

This AD is a Security Controlled Airport.

## HANDLING SERVICES AND FACILITIES

2130-0630 UTC MON-FRI, AH 2HR PN.  
 Phone 07 4655 8400, AH 0427 551 732. JET A1, AVGAS  
 and O125.

## AERODROME OBSTACLES

1. BCST mast 131 MAG, 5NM from AD 857FT. Unlit.
2. Unlit COM TWR, PSN 280252.8S 1454030.0E APRX 825FT AMSL, BRG 102 DEG MAG/  
 2.93NM FM ARP. Infringes COS by APRX 20FT.

## PHYSICAL CHARACTERISTICS

|       |     |     |                              |        |         |
|-------|-----|-----|------------------------------|--------|---------|
| 06/24 | 059 | 30a | Unrated                      | WID 18 | RWS 90  |
| 12/30 | 121 | 57a | PCN 10 /F /B /580 (84PSI) /U | WID 30 | RWS 150 |

## AERODROME AND APPROACH LIGHTING

|           |                    |                      |
|-----------|--------------------|----------------------|
| RWY 06/24 | PTBL(1)            | BY PRIOR ARRANGEMENT |
| RWY 12/30 | LIRL(2)            | SDBY PWR AVBL        |
| (1)       | PN                 |                      |
| (2)       | SDBY PWR 15MIN PN. |                      |

## ATS AND AERODROME COMMUNICATION FACILITIES

|     |                 |              |
|-----|-----------------|--------------|
| FIA | BRISBANE CENTRE | 124.8 9000FT |
|-----|-----------------|--------------|

## RADIO NAVIGATION AND LANDING AIDS

|     |     |     |           |            |                  |
|-----|-----|-----|-----------|------------|------------------|
| NDB | CMU | 218 | 280205.2S | 1453725.5E | Range 90 (HN 80) |
|-----|-----|-----|-----------|------------|------------------|

## LOCAL TRAFFIC REGULATIONS

All ACFT in excess of 5,700KG are required to use RWY THR turning nodes for all turning on RWY 12/30.

**CTAF - AFRU 126.7**

## ADDITIONAL INFORMATION

Bird and animal hazard exists.

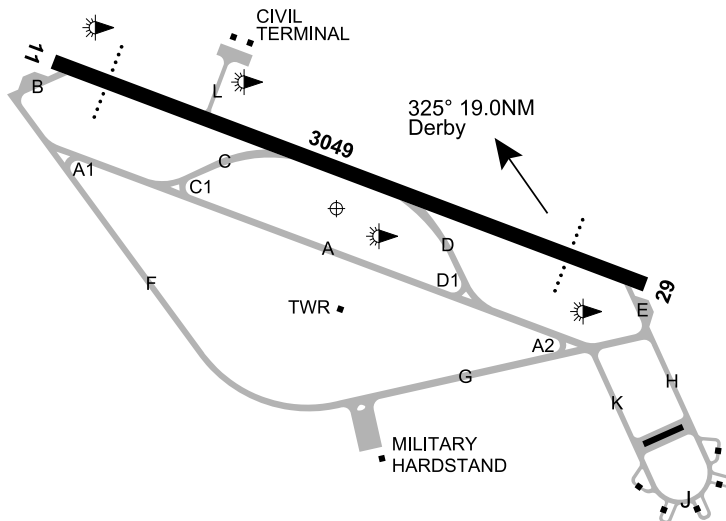
## CHARTS RELATED TO THE AERODROME

1. WAC 3356.
2. Also refer to AIP Departure and Approach Procedures.

**CURTIN****ELEV 300****AVFAX CODE 6901**

WA  
173453S  
AD OPR Department of Defence (13SQN), PO Box 536, Derby, WA, 6728. Mobile 0427 792 669.

1234942E  
UTC +8  
VAR 2 DEG E  
YCIN  
MIL

**REMARKS**

1. All ACFT require H24 PN. Support REQ are to be advised to caretaker, Phone 08 9193 9719 or MOB 0427 792 660 (AH). RAAF Darwin Air Base Command Post, MIL SIG Addressee RAYIUB/DAR ABCP, Phone 08 8923 8888.
2. International RAAF flights are not to plan to enter Australia through Curtin without prior approval of Department of Customs and Australian Quarantine and Inspection Service (AQIS), except in an emergency.
3. This AD is a Security Controlled Airport.

**HANDLING SERVICES AND FACILITIES**

RAAF caretakers: Phone 08 9193 9719 or AD OPR MOB. F34.

LTD fuel AVBL due Defence fuel installation there is a greater than 7 days turnaround on large fuel order RQMNTS.

**APRONS AND TAXIWAYS**

Civil terminal APN and TWY L PCN 21/F/B/1750(254PSI)/U. APN marked for F28 and BA46 ACFT only.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT B, METAR/SPECI.
2. AWIS PH 08 6216 2609 - Report faults to BoM.

**PHYSICAL CHARACTERISTICS**

11/29      108    100a    PCN 41 /F /A /1750 (254PSI) /T Central 23M    WID 45    RWS 150  
only. 100(328) each end concrete.

**AERODROME AND APPROACH LIGHTING**

RWY 11/29 MIRL PAL 120.35 SDBY PWR AVBL  
 RWY 11/29 PAPI(1) PAL 120.35 3.0 DEG48FT SDBY PWR AVBL  
 (1) Limited, not AVBL beyond 2.5NM during HJ. RWY 11 PAPI reduced light intensity HN. RWY 29 PAPI intensity fixed to RWY intensity, unable to be reduced HN. For information CTC Site Manager PH: 0427 792 669.

AD OPR to be advised with 24HR PN for all civil OPS. Civil APN floodlighting switched by Caretaker. Contact 08 9191 0999 BH, H24 Mobile 0418 922 415 or 0408 011 433.

**OTHER LIGHTING**

TWY LGT: Green CL.

**ATS AND AERODROME COMMUNICATION FACILITIES**

|      |                 |                 |
|------|-----------------|-----------------|
| FIA  | BRISBANE CENTRE | 122.1 On ground |
| APP  | CURTIN APPROACH | 261.4           |
| ATIS | CURTIN          | 316.3           |
| SMC  | CURTIN GROUND   | 264.6           |
| SMCV | CURTIN GROUND   | 259.3           |
| TWR  | CURTIN TOWER    | 118.3 257.8     |

MIL ATC COMS and ATIS AVBL when CTR active.

**RADIO NAVIGATION AND LANDING AIDS**

|     |     |            |           |            |     |
|-----|-----|------------|-----------|------------|-----|
| DME | CIN | 114.3/ 90X | 173519.5S | 1235106.7E | (1) |
| VOR | CIN | 114.3      | 173519.6S | 1235107.2E |     |
| TAC | CTN |            | 173440.7S | 1234945.4E | (2) |

(1) Antenna ELEV 342FT.

(2) PTBL FAC ACT as RQ by MIL authorities. Channel assignment and ACT by NOTAM.

**LOCAL TRAFFIC REGULATIONS**

- ACFT with ACN ABV 21 shall make 180 turns at RWY ends only.
- TWY A, F and G are marked and can be lit as RWY. They are not to be used as RWY, except in an EMERG.
- Transport and maritime ACFT to use service APN.
- ACFT parking on APN between TWY H and TWY K subject to approval, restrictions apply.
- Civil ACFT use TWY/APN facilities N side of RWY at W end.

**FLIGHT PROCEDURES**

- REMOTELY-PILOTED AIRCRAFT SYSTEM (RPAS)**
- 1.1. All RPAS requests and enquiries are to be sent to [adf.airspace@defence.gov.au](mailto:adf.airspace@defence.gov.au) with at least 5 business days PN. OPS are subject to MIL OPS and may be restricted or cancelled at any time.
- RPT ACFT may conduct straight-in approaches.
- For special procedures which apply to the Horizontal Falls, see *ERSA GEN - SPECIAL PROCEDURES*.

**CTAF - AFRU 126.7**

Outside TWR HR.

**ADDITIONAL INFORMATION**

Bird and kangaroo hazard exists.

**CHARTS RELATED TO THE AERODROME**

- WAC 3223.
- MIL Aerodrome Obstruction Chart Type A: AUG 2017.
- Refer to AIP Departure and Approach Procedures.

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DALBY

04

01

02

03

ELEV 1137

FULL NOTAM SERVICE NOT AVBL

QLD  
270919S  
AD OPR Western Downs Regional Council, PO Box 551, Dalby, QLD, 4405.  
Email: info@wdrc.qld.gov.au. PH 07 4679 4000. ARO 0429 571 233 or 0487 010 207.

UTC +10  
VAR 10 DEG E  
YDAY  
UNCR

REMARKS  
AD and Avdata charges apply.

HANDLING SERVICES AND FACILITIES  
IOR Aviation: JET A1 and AVGAS 100LL AVBL H24. Payment method via IOR Aviation tag for account holders or via the Fuelcharge APP.  
PH 1300 457 467.

PASSENGER FACILITIES  
TX/LG/WC/ME.

AERODROME OBSTACLES  
Lit radio mast (4QS), 720FT AGL bearing 048DEG MAG 2.4NM FM AD.

PHYSICAL CHARACTERISTICS  
04/22                      30c    5700/ Gravel. RWY LEN 914M                      WID 18    RWS 90  
13/31                      42a    5700/ Sealed. RWY LEN 1268M                      WID 18    RWS 90

AERODROME AND APPROACH LIGHTING  
RWY 13/31            LIRL                      AFRU+PAL 126.7                      SDBY PWR AVBL

ATS AND AERODROME COMMUNICATION FACILITIES  
FIA                      BRISBANE CENTRE                      121.2 On ground

CTAF - AFRU 126.7

ADDITIONAL INFORMATION  
1.        Gliding OPS HJ, JF. Gliders operate WI RWS.  
2.        Hang gliding aerotow in operation when double white cross is displayed. SFC-3,600FT.  
3.        Ultralight OPS and training are carried out at AD.  
4.        Bird and animal hazards exist.  
5.        AD OPR requires CTAF broadcast for all ACFT ground and approach movements.

CHARTS RELATED TO THE AERODROME  
WAC 3340.

DALGARANGA MINE

ELEV 1448

AVFAX CODE 6033

WA  
274947S  
AD OPR GNT Resources Pty Ltd, Level 1, 41-47 Colin Street, West Perth, WA, 6005.  
Email: dalohs@spartan1.com.au: ryan.callaghan@spartan1.com.au. PH H24: 0459 874 585.  
ARO 08 6500 8357.

UTC +8  
VAR 0 DEG E  
YDGA  
CERT

Diagram illustrating the runway layout and orientation. The runway is shown as a dashed line with a length of 1600. The orientation is indicated by a solid line labeled 117° 31.6NM Mount Magnet. A small aircraft icon is shown on the runway.

Information may be continued on the next page: PTO

REMARKS

1. PPR FM AD OPR.
2. AVBL MON to FRI 0700-1700 Local.
3. 120 MIN PN, AD Manager PH 0459 874 585.
4. PRKG by prior arrangement with AD OPR.
5. Day VMC OPS only.

HANDLING SERVICES AND FACILITIES

Nil Fuel AVBL.

AERODROME OBSTACLES

Unlit Mast HGT 1,575FT AMSL BRG 355 DEG MAG, 422M FM ARP.

*Note: this is not an infringement on the transitional surface, it is 4 metres below.*

PHYSICAL CHARACTERISTICS

11/29 110 52c PCN 9 /F /A /950 (138PSI) Unrated. Gravel WID 30 RWS 90

AERODROME AND APPROACH LIGHTING

EMERG lighting AVBL with 90MIN PN.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA MELBOURNE CENTRE 124.8 Circuit Area

LOCAL TRAFFIC REGULATIONS

1. RWY 11/29: All fixed wing ACFT must make MAX RAD turns at MNM speed at all RWY ends to avoid SFC damage.
2. All fixed wing ACFT to use idle power for movements on the APN with the exception of breakaway thrust to initiate taxi. ACFT that cannot comply with this restriction must advise the AD OPR prior to departure.

CTAF 126.7

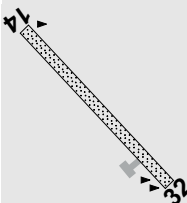
ADDITIONAL INFORMATION

Intermittent Blasting 1.2NM BRG 297 DEG MAG FM ARP.

CHARTS RELATED TO THE AERODROME

WAC 3346.

DARLOT



ELEV 1513

FULL NOTAM SERVICE NOT AVBL

WA 275225S 1211618E UTC +8 YDLO  
VAR 1 DEG E UNCR  
AD OPR Darlot Mining Company Pty Ltd, PO Box 628, West Perth, WA, 6872.  
PH 08 9080 3500: 08 9080 3425 BH. ARO 08 9080 3520 H24.  
ARO AH 08 9080 3428. Fax 08 9080 3409.

REMARKS

Restricted OPS: PPR from AD OPR.

HANDLING SERVICES AND FACILITIES

JET A1 - Private Installation - Contact ARO.

AERODROME OBSTACLES

1. Unlit Mast, 1,755FT, 155MAG/3,120M FM ARP.
2. Fences exist parallel to RWY and cross the take off inner edge.

a. RWY 14 fence:

2,029M FM RWY SOT, 77M L of RCL, 2FT ABV CWY;

2,029M FM RWY SOT, 83M R of RCL, 7FT ABV CWY;

b. RWY 32 fence:

2,029M FM RWY SOT, 78M L of RCL, 2FT ABV CWY;

2,029M FM RWY SOT, 77M R of RCL, 4FT ABV CWY.

PHYSICAL CHARACTERISTICS

14/32 65c PCN 25 /F /A /945 (137PSI) /T Gravel. WID 30 RWS 150  
RWY LEN 1,969M. Slope 0.01% down to NW.

**AERODROME AND APPROACH LIGHTING**

RWY 14/32 PTBL(1)

BY PRIOR ARRANGEMENT

(1) Emergency only - 60MIN PN - Contact ARO

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE

118.95

**CTAF - AFRU** 126.5

AFRU signal not AVBL on ground Darlot.

**CHARTS RELATED TO THE AERODROME**

WAC 3345.

**DARNLEY ISLAND****ELEV 220****FULL NOTAM SERVICE NOT AVBL**

QLD

UTC +10

YDNI

93444S

1434649E

VAR 5 DEG E

UNCR

AD OPR Torres Strait Island Regional Council, PO Box 7336, Cairns,

QLD, 4870. PH 07 4034 5700. ARO 0447 585 868 (H24).

**REMARKS**

Restricted OPS: PPR from AD OPR.

**AERODROME OBSTACLES**

1. RWY 10/28 transitional SFC infringed by terrain.
2. Inner HZS infringed by terrain and COMMS mast - OBST lights not provided.

**PHYSICAL CHARACTERISTICS**

10/28 16a Unrated. Sealed. RWY LEN 500M.

WID 18 RWS 60

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

120.3 5000FT

**FLIGHT PROCEDURES**

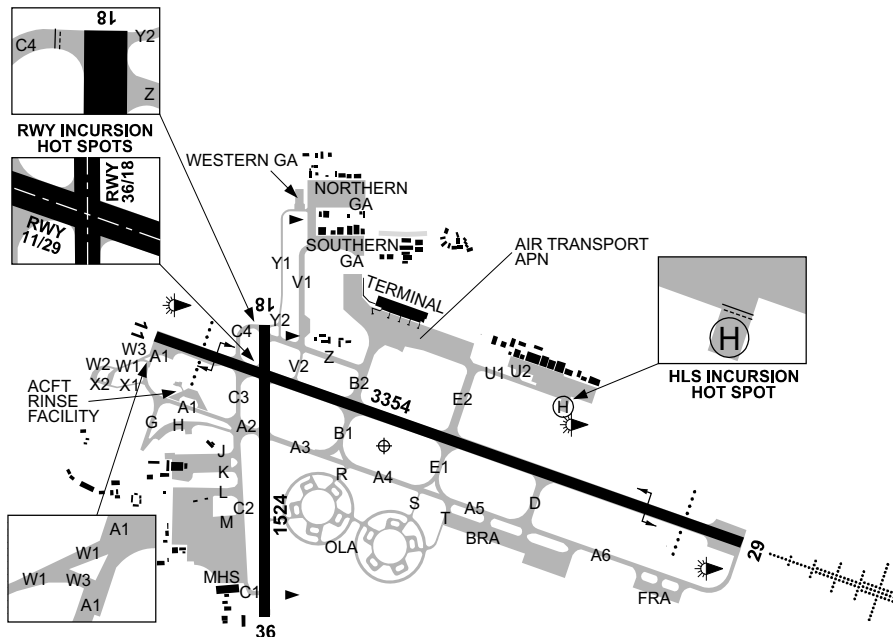
For special procedures which apply to Torres Strait biosecurity requirements, see ERSA GEN - SPECIAL PROCEDURES.

**CTAF** 126.7**CHARTS RELATED TO THE AERODROME**

WAC 3097.

**DARWIN****ELEV 103****AVFAX CODE 8001**

NT  
 122453S 1305236E UTC +9:30 YPDN  
 VAR 3 DEG E JOINT  
 AD OPR Darwin International Airport Pty Ltd (DIA), PO Box 40996, Casuarina, NT 0811. RAAF Base Darwin, Winnellie, NT, 0820. PH Civil 08 8920 1811 (ADMIN HJ): OPS 0402 088 145 H24: MIL 08 8923 8888. Website: Civil [www.darwinairport.com.au](http://www.darwinairport.com.au).

**REMARKS**

- Access to the RPT terminal not available to itinerant aircraft without PN.
- AD Charges: All civil ACFT, copies of Conditions of Use can be obtained from civil AD OPR or website.
- PPR for civil and foreign MIL ACFT transiting RAAF Darwin from Air Base Command Post. 72HR PN.
- Civil airport H24. MIL AD H24, CTC ABCP PH: 08 8923 8888, email: [dar.abcp@defence.gov.au](mailto:dar.abcp@defence.gov.au) for HN OPS.
- The Air Transport APN is a Security Restricted Area. Identification authorised by civil AD OPR must be worn by all personnel not accompanied by an approved airside escort
- This AD is a Security Controlled Airport.

**HANDLING SERVICES AND FACILITIES****Civil Airport**

AIR BP/SHELL JET A1 (Air Transport APN), Hydrant Bays 1 to 8, 21 to 25: H24.

Phone 08 8945 2655, 0458 093 833. AH 0458 093 833, 0410 060 730.

Viva Energy Australia Pty Ltd: JET A1 Tanker Refuelling H24 (Air Transport, HEL and GA Aprons, excluding Western GA): Phone 0409 889 236, Office 08 9194 7701 (0800-1600 Local MON-FRI).

AVGAS Tanker Refuelling 0530-1700 Local (Air Transport, HEL and GA Aprons, excluding Western GA): Phone 0438 450 038.

Viva and BP AVGAS Bowser H24 Northern GA Apron. Enquiries 0530-1700 Local 0438 450 038, 1700-0530 Local 0409 889 236.



MIL air movements/base duty crew AVBL 1930-1330 UTC, OT 72HR PN, subject to Air Base Executive approval. CTC ABCP PH: 08 8923 8888, email: dar.abcp@defence.gov.au.  
 Jet Aviation Australia – FBO Services H24 Civil and MIL ACFT. Phone OPS H24 +61 466 026 706. Email: drwfo@jetaviation.com VHF 135.95 CS 'Jet Aviation'.  
 Pearl Flight Centre – Full FBO services, fuel sales and VIP facilities for ACFT up to 400,000KG. MEDEVAC, Customs, Immigration and Biosecurity services AVBL H24 with 2HR PN for Civil and MIL ACFT. Short/long-term hangarage (subject to availability) and apron PRKG AVBL on private apron, direct ACFT and vehicle access. Apron and hangar are located off TWY U2.  
 H24 OPS: +61 434 124 740. Email: pfc@pearlflightcentre.com.au.

## PASSENGER FACILITIES

N GA Apron terminal: LG/WC

Domestic and International terminal: PT/TX/HC/BU/AC/LG/RF/WC/ME

## RESCUE AND FIREFIGHTING SERVICES

- CAT 8 H24.
- 131.0 MHz AVBL H24. Request via ATC.

## APRONS AND TAXIWAYS

- TWY C S of MHS PCN 18/F/C.
- GA APRONS PCN 9/F/C/550 (83PSI).

## SURFACE MOVEMENT GUIDANCE

- RWY 11/29 DIST to run markers (lit) from 9,000FT.
- RWY 29 and 36 LAHSO DIST to go signs 900M, 600M and 300M.

## AERODROME OBSTACLES

- Unlit lightning rod on Fire Station tower 152FT AMSL BRG 327 DEG MAG 0.33NM FM ARP. Infringes TNS by 3.4FT.
- Lit anemometer 139FT AMSL BRG 278 DEG MAG 0.25NM FM ARP. Infringes TNS by 17.8FT.
- Lit GP antenna 128FT AMSL 310M FM SOT RWY 29 and 148M right of CL. Infringes the 5% plane of RWY 11/29 flyover area by 33FT.
- Lit control tower 264FT AMSL BRG 039 DEG MAG 0.42NM FM ARP. Infringes inner HZS by 22FT.
- For information regarding obstacles CTC AD OPR.

## METEOROLOGICAL INFORMATION PROVIDED

- TAF CAT A, METAR/SPECI, TAF3 H24, AD WRNG, WS WRNG.
- AWIS PH 08 7922 2503 - Report faults to BoM.
- MET INFO AVBL FM Airservices Pilot Briefing. Elaborative briefing FM MWO 08 8920 3814.

## PHYSICAL CHARACTERISTICS

|       |     |      |                                                   |        |         |
|-------|-----|------|---------------------------------------------------|--------|---------|
| 11/29 | 106 | 110a | PCN 81 /F /C /1750 (254PSI) /T C5A B747. Grooved. | WID 45 | RWS 300 |
|       |     |      | 91M concrete ends RWY 11 and RWY 29 ungrooved.    |        |         |
| 18/36 | 177 | 50a  | PCN 18 /F /C /1050 (152PSI) /U                    | WID 30 | RWS 90  |

## ARRESTING GEAR

|        |             |       |             |        |
|--------|-------------|-------|-------------|--------|
| RWY 11 | BAK 12/14   | ----- | BAK 12/14   | RWY 29 |
|        | (R)(B)      |       | (R)(B)      |        |
|        | 410 (1,345) |       | 465 (1,525) |        |

- BAK 12/14 Hookcable** RWY 11 and 29
  - Recessed bi-directional BAK 12/14 hookcables INSTL 410M (1,345FT) FM THR RWY 11 and 465M (1,525FT) FM THR RWY 29. Marked by yellow disks. DIST BTN cables 2,479M (8,133FT) no crossing RESTR in down PSN. Steel sheave/CONC kerb 31CM High, 14.7M FM RWY side stripe. When in OPR PSN, pit hatch lids 13.7M FM edge graded strip infringe the 5% plane of RWY 11/29 fly-over area by 2.7FT. Air conditioner condenser eastern end, 19M from southern edge graded strip infringes the 5% plane of RWY 11/29 fly-over area by 0.2FT.
  - NML OPR PSN:
    - Arrestable ACFT DEP - DEP end up, APCH end down.
    - Arrestable ACFT ARR - DEP end down (DEP end up for EMERG, RWY wet or tailwind), APCH end down.

(iii) Non-arrestable ACFT OPR - both ends down.

*Note: For all ACFT, arrestor system status will not be provided when in NM OPR PSN.*

2. BAK 14 Hookcables will be bolted down 0230 FRI to 2330 MON UTC (1200 - 0900 Local). 48 HRS PN for ACFT requiring Hookcables.

*Note: TUE if MON is a public holiday.*

### 3. Maintenance

Maintenance conducted on a regular basis, refer to NOTAM for details.

4. When RWY 11/29 THR displaced for BAK 12/14 hookcable maintenance, RWY not AVBL marked by lighted visual aids (trailer mounted illuminated vertical crosses).

## AERODROME AND APPROACH LIGHTING

|           |            |             |               |
|-----------|------------|-------------|---------------|
| RWY 11/29 | HIRL       |             | SDBY PWR AVBL |
| RWY 11    | PAPI       | 3.0 DEG57FT | SDBY PWR AVBL |
| RWY 29    | HIAL-CAT I |             | SDBY PWR AVBL |
| RWY 29    | PAPI       | 3.0 DEG59FT | SDBY PWR AVBL |

### 1. ALS type and length

- a. RWY 29 - distance coded CL: 900M.
2. RWY edge light spacing: 11/29: 60M. EXC first pair E end 53.2M, W end 62.4M.
3. RWY Guard Lights at all RWY/TWY intersections.
4. RWY 11/29 CL and TDZ LGT not provided. RWY edge and RWY end LGT LCA at 60M due WIP.
5. RWY 18/36 are unlit. Only military ACFT or ACFT subject to an EMERG may OPR on RWY 18/36 during HN. RWY 18/36 is not visible from the TWR and TWR cannot guarantee the area is clear of obstructions.

## OTHER LIGHTING

1. TWY LGT: Green CL. However, TWY C1, C4, V2, Y and Z west of TWY V are unlit.
2. Air Transport APN TXL LGT: Blue edge LGT S of Bays 2, 3 and 21, 22.
3. Safegate Visual Docking System Bays 1 to 5.
4. LGT signal 'ALDIS LGT' FM Control TWR restricted FM NE (BTN 030 to 090 DEG MAG) due to new TWR construction.

## ATS AND AERODROME COMMUNICATION FACILITIES

|           |                          |                       |
|-----------|--------------------------|-----------------------|
| FIA       | BRISBANE CENTRE          | 118.15                |
| ACD       | DARWIN DELIVERY          | 126.8 237.3           |
| APP E/DEP | DARWIN APP E/DEP         | 125.2 305.5 (3)       |
| APP W/    | DARWIN APP W/DEP         | 134.1 243.0 363.8 (2) |
| DEP       |                          |                       |
| ATIS      | DARWIN ATIS              | (4) 128.25 308 316.2  |
| DEP       | DARWIN APPROACH          | 123.0 325.4           |
| SMC       | DARWIN GROUND            | 119.55S 121.8P 265.3  |
| SMCV      | DARWIN GROUND (VEHICLES) | 119.55P 121.8S        |
| TWR       | DARWIN TOWER             | 133.1 243.0 257.8     |
| VOLMET    | AUSTRALIA                | 6676 (1) 11387 (1)    |

- (1) H24, BCST 00 - 05 & 30 - 35. Refer AIP GEN 3.5.
- (2) Darwin APCH provides ATS in CTA out to 40NM.
- (3) Provides ATS in CTA FM 360 RDL THRU E to 180 RDL 0030-0830 UTC JO.
- (4) ATIS also AVBL on phone 08 7929 4787.
1. RAAF ATC 08 7929 4816 (TWR), 08 7929 4817 (APP), email: dar.atc@defence.gov.au
2. FREQ 243.0 - Monitored H24. Test transmissions on voice and beacon on 243.0 will take place BTN 0100-0110 UTC every MON not exceeding 10 SEC duration.
3. Automatic retransmit FAC exists BTN FLW FREQ: 134.1/363.8; 125.2/305.5; 133.1/257.8; 123.0/325.4; 121.8/265.3; 126.8/237.3.
4. When ATS are not AVBL in DN CTR/CTA due to emergency evacuation of the ATC facility or other emergency, TIBA procedures apply frequency 126.35 MHz. Mandatory broadcast procedures as detailed in AIP GEN 3.3 also apply frequency 133.1 MHz. Notification will be via 'all stations' broadcasts and ATIS.

**RADIO NAVIGATION AND LANDING AIDS**

|     |                               |                    |           |            |                  |     |
|-----|-------------------------------|--------------------|-----------|------------|------------------|-----|
| NDB | BGT                           | 308 (RWY11)        | 122423.9S | 1305125.3E | Range 50 (HN 50) | (3) |
| TAC | DAR                           | 112.4/ 71X         | 122447.1S | 1305300.4E |                  | (4) |
| DME | DN                            | 112.6/ 73X         | 122523.8S | 1305422.8E |                  | (2) |
| VOR | DN                            | 112.6              | 122523.8S | 1305423.3E |                  | (1) |
| DME | IDN                           | 109.7/ 34X (RWY29) | 122501.2S | 1305332.0E |                  | (6) |
| GP  | IDN                           | 333.2 (RWY29)      | 122501.4S | 1305331.9E |                  |     |
| ILS | IDN                           | 109.7 (RWY29)      | 122430.8S | 1305145.7E |                  |     |
| LOC | IDN                           | 109.7 (RWY29)      | 122430.8S | 1305145.7E |                  | (5) |
| (1) | 283/1.8                       |                    |           |            |                  |     |
| (2) | 283/1.8 - Antenna ELEV 129FT. |                    |           |            |                  |     |
| (3) | 109/1.3 to ARP.               |                    |           |            |                  |     |
| (4) | 255/0.4 to ARP.               |                    |           |            |                  |     |
| (5) | 110/0.9 to ARP.               |                    |           |            |                  |     |
| (6) | Antenna ELEV 94FT.            |                    |           |            |                  |     |

**LOCAL TRAFFIC REGULATIONS****1. RWY INCURSION HOTSPOTS:**

- a. RWY 18/36 and TWY C4.
- b. Intersection of RWY 11/29 and 18/36.
- c. ACFT must not vacate/enter onto the crossing RWY without ATC approval.
2. 180 DEG turns for ACFT ABV 100,000KG only permitted on THR RWY 11/29. B767 are exempt from this REQ due to their LDG gear configuration.
3. When THR RWY 11 displaced, unless operationally required, single engine ACFT can expect to depart RWY 29 FM TWY E2. Twin engine ACFT and ABV can expect to depart RWY 29 FM TWY D or A6.
4. New TWR constructed 15M E of current TWR, not commissioned. Observe current TWR for light signals.

**5. TAXIWAYS**

- a. TFC permitting, ACFT ABV 136,000KG will be entered/exited for RWY 11/29 FM TWYs B2, C3, D or E2 and backtracked as RQ. HVY ACFT may accept use of TWY A to avoid DLAs.
- b. TXL on S edge of Air Transport APN not AVBL to Code F ACFT.
- c. TXL on southern edge of Air Transport APN behind Bay 3 not AVBL to B767 and ABV when A330-300 parked on Bay 3 unless marshaller present in CTC with SMC.
- d. TWY Y1 and Y2 not AVBL to ACFT ABV 5,700KG and ABV 16M wingspan.
- e. TWY V1 and Z not AVBL to ACFT ABV 22,000KG MTOW.
- f. TWY V2 not AVBL to ACFT ABV 22,000KG MTOW and 24M wingspan.
- g. TWYs C4, M, V2, Y and Z west of V are unlit. TWY C4 not AVBL to ACFT ABV 22,000KG MTOW. Compass swing site established on TWY C4 marked at 30DEG MAG intervals. Details FM AD OPR.
- h. TWY U1 not AVBL to ACFT ABV 60,000KG MTOW.
- i. TWY U1 E of TWY U2 not AVBL to ACFT ABV 13,000KG MTOW, 23M wingspan and 18.9M rotor diameter.
- j. TWY V passing bay is ADJ the ARFF station. Due noise and blast TWY V passing bay may only be used for pre-flight power checks not exceeding 3MIN. TWY C4 is the preferred location for all other engine ground running and testing with prior approval REQ from AD Operator. ACFT requiring high PWR runs at TWY C4 on headings other than 180DEG must seek approval from SMC. SMC may instruct ACFT to reduce to idle PWR when ACFT pass behind on ADJ RWY and TWY. TWY Y run-up bay AVBL all PWR settings wingspan MAX 15M.
- k. TXL west of Bay 1 and behind Air Transport APN Bays 21 - 25 restricted to 36M MAX wingspan.
- l. TWY G not to be used for night OPS unless approved by Darwin ABCP.

**6. CIVIL APRONS**

- a. Civil AD OPR does not provide ACFT marshalling services. All requests for ACFT marshalling should be directed to the airlines or local operator by prior arrangement.
- b. Prior PRKG approval is RQ for civil Air Transport APN. OPR of non-scheduled ACFT RQ PRKG on the Air Transport APN are RQ to obtain approval 24HR prior from Airport Coordination Australia (ACA) MON-FRI 2200-0530 UTC (1HR earlier during HDS). Phone +61 2 9313 5469, Fax +61 2 9313 4210, Email: slots@airportcoordination.org SITA HDQACXH. LDG charges apply and include PRKG. Refer to website.
- c. PRKG on northern GA APN RESTR to ACFT with wingspan MAX 15M except by arrangement with Duty Operations Officer, Phone 0402 088 145.  
Email: dia.taoo@adgnt.com.au. Northern GA APN fully leased except for two set-down and loading positions ADJ Waiting Room in SE corner. Visitor PRKG AVBL on an opportunity basis at western GA APN ADJ TWY Y. HEL PRKG is not AVBL on GA aprons. All HEL must park at the E HEL apron. LDG and PRKG charges apply all ACFT. Refer to website for Conditions of Use.
- d. Non-scheduled ACFT above 10,000KG MAUW using the Air Transport APN are RQ to align with the nose-in bay visual PRKG guidance markings.
- e. Operators should check with their ground handling agent for push-back tow-bar availability. If a suitable tow-bar is not AVBL, operators are to carry an on-board tow-bar for their arrival.
- f. The Air Transport APN fuel hydrants preclude cross-bay PRKG.
- g. Operators will be liable for damage to property caused by prop-wash or jet blast from incorrectly parked ACFT.
- h. PVT APN NW of TWY U2 OPR by Pearl Flight Centre. ACFT marshalling is RQ for all visiting ACFT. Requests for marshalling should be directed to Pearl Flight Centre by prior arrangement. PVT APN NE of TWY U2 OPR by Airnorth.
- i. PVT aprons W side of HEL APN OPR by Top End Medical Retrieval Service, Careflight, RFDS and Police Air Wing.
- j. SE corner Southern GA APN OPR by Jet Aviation. ACFT in excess of 22,000KG and up to 42,000KG may access Jet Aviation APN via TWY Z and V1 with prior pavement concession and approval from the AD OPR.
- k. B767 ACFT for parking Bay 21 required to be marshalled to the disconnect point in the taxilane abeam Bay 1, shut down and towed onto Bay. On departure, ACFT to be pushed back tail west to the push-back limit line then towed forward to the disconnect point abeam Bay 1.

**7. MILITARY APRONS**

- a. EO class 1.1, 1.2 must be off loaded from ACFT PRKG overnight.
- b. Northern PRKG of MHS decommissioned, not AVBL.

**8. SURVEY FLIGHTS**

- a. ACFT conducting SVY within DN CTR or CTA must CTC ATC for approval with at least 7 days PN.
- b. OPR are to email AWK maps and flight details including timings, levels, FLT CAT, ACFT type and registration to dar.atc@defence.gov.au prior to contacting ATC on phone 08 7929 4817.
- c. OPS preferred on SAT or SUN.

**9. TRAINING FLIGHTS**

- a. Circuit and INSTR TRNG in the DN CTR/CTA require prior ATC approval. For INSTR TRNG CTC APP, PH 08 7929 4817. For circuit TRNG CTC TWR, PH 08 7929 4816.
- b. INTR APCH to a non-duty RWY can expect delay.
- c. Jet or turboprop ACFT above 25,000KG MTOW and all MIL jet (fighter and strike type ACFT) shall maintain RWY HDG until at circuit ALT or, for RWY 29, established over water. Circuit ALT (AMSL):
  - (i) MIL Jet 2,000FT,
  - (ii) Jet 1,500FT,
  - (iii) PROP 1,000FT,
  - (iv) HEL 1,000FT.

*Note: DN circuit area is defined as the lateral confines of DN CTR plus DN CTA C1 as defined in the DAH.*

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**10. IFR TRAINING AREA**

- a. IFR training may be conducted in the North Eastern Training Area (NETA). The abbreviation NETA may be used as a remark in field 18 when flight planning.
- b. The lateral limits of the NETA are: DN 360R-050R; 15DME-30DME DN.
- c. Vertical limits will be specified in the airways clearance.
- d. PPR, CTC DN APP for approval on phone: 08 7929 4817.

**11. EASTERN GRASS TRAINING AREA**

- a. The Eastern Grass Training Area is an area adjacent to the E HLS. The training area is to facilitate HEL hover OPS, particularly winching OPS. The area is bounded by drainage trenches to the N, E and S, and the E HLS to the W. Entry and exit to the area is via the E HLS at ATC discretion.
- b. IWDI BRG 151 DEG MAG 114M FM E HLS.
- c. PPR, CTC DN TWR for approval on phone: 08 7929 4816.

**FLIGHT PROCEDURES****1. ATC TRAFFIC MANAGEMENT SPEED**

- a. When **not** on a SID or STAR (including vectoring) - civil ACFT ARR or DEP DN must not exceed 250KT IAS when BLW 10,000FT AMSL. Advise ATC if a higher speed is operationally required.
- b. For MIL speed restrictions refer *FIHA AD2 SUPP DAR*.
2. In VMC, MIL ACFT can expect straight in visual APCH. VTOL operations are not permitted. Rolling takeoffs are preferred. ACFT are to minimise use of afterburner. Go-around - climb to 1,500FT AMSL, maintain RWY heading tracking between the ATC tower and RWY 11/29 unless otherwise directed by ATC. Once onwards clearance is received from ATC climb to 2,000FT AMSL before turning.
3. All arriving VFR ACFT are to make first contact with Darwin ACD on 126.8/237.3 to pass details, including and estimate for YPDN and obtain SSR code. Those ACFT can EXP to be transferred to Darwin APCH to obtain AWY CLR when FLT notification and SSR allocation action is complete.
4. Circling to RWY 11/29 not approved unless the RWY lights are at stage 2 or higher.
5. VFR ACFT at or below 1,000FT AMSL HJ only.
  - a. VFR ACFT arriving and departing Darwin CTR at or below 1,000FT AMSL contact TWR for arrival clearance, or SMC for departure airways and taxi clearance.
  - b. Obtain departure airways clearance prior to taxi.
  - c. Obtain arrival clearance prior to 10NM from Darwin.
  - d. For departing helicopters, contact TWR for departure instructions/line-up/takeoff clearance.
  - e. **Darwin Aviation Heritage Museum.** To ensure adequate separation with all ACFT arriving to and departing from RWY 11/29, HEL arriving to and departing from the Aviation Heritage Museum are required to remain S of the extended CL of TWY A at all times unless issued a clearance to/from a point N of TWY A or otherwise instructed by ATC.
6. Due system limitations, pilots are to CTC Darwin Delivery for outbound airways clearance no earlier than 30 MIN prior to notified EOBT.
7. ADF ACFT carrying Dangerous Cargo and Explosive Weapons Stores shall notify ATC APP or Clearance Delivery on first CTC with such advice including the Net Explosive Quantity (NEQ).
8. Arriving ACFT RWY 36 during Lee Point parachute drop area activation.
  - a. When arriving RWY 36 for a visual approach and Darwin APP has advised Lee Point drop area is active, in the event of a go around, TWR will issue tracking instructions or a requirement to hold south of Casuarina Square Shopping Centre.
  - b. In the event of a radio failure during a go around RWY 36, hold south of Casuarina Square Shopping Centre in right hand patterns, listen out on ATIS and/or voice modulated NAVAIDS, look to the TWR for light signals.
9. **INITIAL AND PITCH PROCEDURES**
  - 9.1. Initial and Pitch (I&P) procedures are only available to MIL ACFT.
  - 9.2. **Initial point.** The Darwin initial point (IP) is located at 5 TACAN (4.4NM from the RWY 29 threshold, 3.8NM from the RWY 11 threshold) aligned with RWY 11/29. Aircraft will arrive at the IP via a fixed point located at 10 TAC aligned with the RWY centre line.

- 9.3. **Flight category.** Aircraft arriving via I&P shall automatically convert to VFR category at the IP for the assigned landing runway.
- 9.4. **Lateral requirements.** For separation with arriving aircraft RWY 18/36, aircraft are required to run in no further north of the main RWY than the ATC tower and pitch south. ACFT are required to remain over land for the downwind leg unless otherwise directed by ATC.
- 9.5. **Speed.** Aircraft shall not fly above 350KTS throughout the I&P manoeuvre.
- 9.6. **Vertical.** The following vertical requirements apply:
- Aircraft shall not descend below 4,000FT AMSL until arriving at the 10 TAC point, aligned with the centre line. ATC clearance for the visual approach does not authorise descent below this level. Should additional descent be required, ATC shall specifically authorise a nominated level.
  - From the 10TAC point aircraft shall descend to reach 2,000FT AMSL by the IP.
  - From the IP aircraft shall maintain 2,000 FT AMSL until commencing the base turn.
- 9.7. **Go-around procedures.** ACFT conducting a go-around shall climb to 1,500FT and maintain runway heading tracking between the ATC tower and RWY11/29 unless otherwise directed by ATC. ATC will issue a clearance for a closed left/right circuit as required, at which point the go-around aircraft must climb to 2,000FT AMSL before turning off runway heading.
10. **LOW VISIBILITY OPERATIONS**
- 10.1. LVP exist when RV is reported at 800M, and/or cloud ceiling is 200FT or less.
- 10.2. Secondary PWR switchover time: 1 SEC during LVP, 15 SEC OT.
- 10.3. HIAL and HIRL used in reduced visibility.
- 10.4. When VIS less than 800M, ATC will restrict vehicle movements to Airport Operations Officer (AOO) and ARFF.
- 10.5. When VIS between 800M and 550M no more than 3 ACFT on manoeuvring area; below 550M no more than 1 ACFT on manoeuvring area.
- 10.6. AOO will conduct RV assessments.
- 10.7. For CASA approved operators, RWY 11/29 capable of supporting takeoffs with RV not less than 550M.
11. **REMOTELY PILOTED AIRCRAFT SYSTEM (RPAS)**
- 11.1. All RPAS requests and enquiries are to be sent to 452sqndar.rpas@defence.gov.au with at least 5 business days PN. OPS are subject to MIL OPS and may be restricted or cancelled at any time.
- Caution: UA (Multicopter up to 104KG) OPR HJ MON-FRI, SFC to 150FT AGL, WI 250M of PSN BRG 123 DEG MAG 3.23NM FM ARP.*

## NOISE ABATEMENT PROCEDURES

1. Unless cleared via a SID, all JET and TURBOPROP ACFT above 25,000KG are to maintain RWY heading until 2,000FT AMSL, and;
- RWY 11 - 2DME(GPS)/3TAC BTN 2030-1230 UTC;
  - RWY 11 - 7DME(GPS)/8TAC BTN 1230-2030 UTC;
  - RWY 29 - 5DME(GPS)/3TAC.
2. All jet and turboprop ACFT ABV 5,700KG (EXC designated Quiet jets) arriving FM the W to land RWY 29, or arriving from the E to land RWY 11, can expect radar vectoring N of built up areas or S OW, HN.
3. DEP MIL fighter/strike ACFT:
- RWY 11 -
    - High level sorties must maintain RWY HDG until ABV 5,000FT AMSL, then turn.
    - Low level sorties (BLW 5,000FT) must maintain RWY HDG until LAPAR/10 TAC/9 DME then turn and remain outside 10 TAC/9 DME to intercept outbound track;
  - RWY 29 - ACFT must maintain RWY HDG until ABV 2,000FT AMSL AND established over water, then turn.
4. Also Refer AIP DAP.

## ADDITIONAL INFORMATION

1. Possibility of WS/TURB on short final for all RWYs.
2. Bird hazard exists in RWY strip areas as follows:
  - a. Whistling Kite, Bush Stone-Curlew, Masked Lapwing and Nankeen Kestrel present all year round.
  - b. Black Kite, present in greater numbers APR to OCT, and may be present NOV-APR if monsoon is late.
  - c. Australian Pratincole present in greater numbers APR to OCT.
  - d. Oriental Plover and Little Curlew present in greater numbers SEP to NOV.
  - e. Oriental Pratincole present in greater numbers NOV to MAR.
 Species specific NOTAM will be issued during periods of increased activity.
3. The FLW Rifle Ranges are in the Darwin CTR, ACT for all ranges is indicated by R flags.
  - a. BRG 050 1.0NM FM ARP.
  - b. BRG 140 6.0NM FM ARP.
4. Pilots of ACFT entering or exiting DN CTR to the SE are to be aware of the close proximity of YMKT AD to the CTR boundary, and make the appropriate broadcasts on CTAF 127.1.
5. CAUTION: High velocity gas plumes located Bladin Point BRG 156 MAG 6.7NM FM AD, WI 0.5NM radius of 123112S 1305506E, H24.
6. MIL HEL low level OPS WI 150NM of ARP formation ACFT using LGT enhancing devices and may not display external visual LGT.
7. During low visibility conditions pilots of ACFT landing RWY 29 HN may experience loss of visual references due RWY WID 60 with no CL or TDZ LGT.
8. CAUTION: Model ACFT OPR at East Point (ETP) SFC to 400FT AGL 270/2.9NM FM ARP.
9. MIL L-Band radar is in operation at 122457S 1305144E. Possible avionics interruptions/ errors WI 150M BLW 500FT AMSL.
10. Ground running of engines on all aprons requires prior approval from AD OPR PH 0402 088 145 and notification to SMC. Engine Ground Running Plan AVBL from AD OPR.
11. Weather balloon launch APRX 2315 and 1115 UTC. Launches may occur at other times.

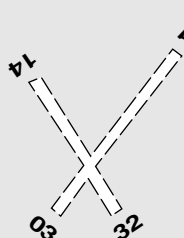
## CHARTS RELATED TO THE AERODROME

1. WAC 3109.
2. Aerodrome Obstruction Chart Type A (RWY 11/29 only): 13th Edition (August 2020).
3. Precision Approach Terrain Chart RWY 29 (April 2017).
4. MIL Aerodrome Obstruction Chart Type A: November 2005.
5. Also refer to AIP Departure and Approach Procedures.

## DAVENPORT DOWNS

ELEV 312

FULL NOTAM SERVICE NOT AVBL



QLD

240844S

1410644E

UTC +10

VAR 7 DEG E

YDPD

UNCR

AD OPR Davenport Pastoral Co., Davenport Downs Station, PMB via Winton, QLD, 4735. PH 07 4657 3033.

### PASSENGER FACILITIES

Telephone facilities not AVBL.

## ATS AND AERODROME COMMUNICATION FACILITIES

FIA

BRISBANE CENTRE

125.4 12500FT

CTAF 126.7

## ADDITIONAL INFORMATION

Possibility of horses on AD.

## CHARTS RELATED TO THE AERODROME

WAC 3342.

DEGRUSSA

AVFAX CODE 6618

ELEV 1823

UTC +8  
VAR 1 DEG E

YDGU  
CERT

60

1920

104° 0.8NM  
DeGrussa Village

27

253327S  
1191715E

WA

AD OPR Sandfire Resources NL, DeGrussa Copper Mine, PO Box 1495,  
West Perth, WA, 6872. Email: [site.admin@sandfire.com.au](mailto:site.admin@sandfire.com.au).  
ARO AD Manager 0437 287 081.

**REMARKS**  
Prior permission must be obtained at least 72HR before OPS. CTC 'Site Senior Executive'  
Phone: 0448 016 347.

**HANDLING SERVICES AND FACILITIES**  
JET A1. Private installation. CTC AD OPR.

**AERODROME OBSTACLES**

- Lit COM mast 1,897FT AMSL BRG 281DEG MAG 1.85NM FM ARP.
- Cranes unmarked and unlit:
  - 2,085FT AMSL, OPR WI 500M radius of PSN 253247S 1191936E BRG 072 MAG 2.23NM FM ARP.
  - 2,088FT AMSL, OPR WI 250M radius of PSN 253228S 1191951E BRG 067 MAG 2.56NM FM ARP.

**PHYSICAL CHARACTERISTICS**  
09/27      088   63a   PCN 32 /F /A /1000 (145PSI) /T Sealed      WID 30    RWS 150

**AERODROME AND APPROACH LIGHTING**  
RWY 09/27    LIRL      PAL+AA 120.15  
RWY 09/27    PAPI      PAL+AA 120.15      3.0 DEG49FT  
RWY edge light spacing: 09/27: 58.5M.

**ATS AND AERODROME COMMUNICATION FACILITIES**  
FIA      MELBOURNE CENTRE      122.6  
UNICOM    DEGRUSSA UNICOM      126.7 (1)  
(1)    CS "DeGrussa Base". AVBL for scheduled movements.

**LOCAL TRAFFIC REGULATIONS**

- All incoming flights CTC ARO via UNICOM for PRKG allocation.
- ACFT ABV 5,700KG MTOW to use RWY ends for 180DEG turns.

**CTAF** 126.7  
AFRU at Plutonic. AFRU not heard on ground at DeGrussa.

**CHARTS RELATED TO THE AERODROME**

- WAC 3346.
- Also refer to AIP Departure and Approach Procedures.

DELAMERE RANGE FACILITY

AVFAX CODE 8026

ELEV 730

UTC +9:30  
VAR 3 DEG E

YDWF  
MIL

NT

154449S  
1315510E

AD OPR RAAF, AFTRSQN Delamere Air Training Area - RAAF Base, Tindal, NT, 0853.  
PH 08 8977 0570.

**REMARKS**

- Aerodrome HJ operations only.
- OPS service FREQ 119.3 (CS, Delamere OPS).
- CIV ACFT (excluding EMERG ACFT) shall not plan to use YDWF.
- EMERG ACFT are to CTC OIC DEL (08 8977 0500) for planned use or DEL Watchkeeper (08 8977 0570) for short notice/EMERG use.

**HANDLING SERVICES AND FACILITIES**  
Nil fuel AVBL.



**METEOROLOGICAL INFORMATION PROVIDED**

1. METAR/SPECI.
2. AWIS PH 08 7922 2504 - Report faults to BoM.

**PHYSICAL CHARACTERISTICS**

- 09/27 087 37c Unrated. Red gravel and clay WID 24
1. Suitable for B200 and C130.
  2. C130 movements LTD wet WX.
  3. RWY 09/27: full length to be used for deceleration due loose unbound aggregate APRX 10-30MM depth for majority of RWY length and change in SFC conditions (50M of no wearing course) APRX 250M FM THR RWY 27.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 122.6 On ground

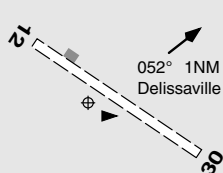
**CTAF** 126.7

**CHARTS RELATED TO THE AERODROME**

WAC 3109.

**DELISSAVILLE**

**ELEV 112**

**FULL NOTAM SERVICE NOT AVBL**

NT  
123304S 1304112E  
AD OPR Belyuen Community Government Council Inc, CMB 18, Darwin, NT, 0801. Email: cathy.winsley@belyuen.nt.gov.au.  
PH Workshop BH 08 8978 5420. PH AH Emergency 08 8978 5493: 0408 300 912. Council PH BH 08 8978 5071.

UTC +9:30 YDLV  
VAR 3 DEG E UNCR

**REMARKS**

1. PPR - due to poor mobile phone coverage, email is the preferred method of contact.
2. AD Charges: all ACFT

**PASSENGER FACILITIES**

Telephone facilities not AVBL.

**AERODROME AND APPROACH LIGHTING**

1. PTBL EMERG only.
2. Solar LGT comes on automatically in HR of darkness.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 118.15 On ground

**FLIGHT PROCEDURES**

Right hand circuits required when OPR RWY 12 for noise abatement.

**CTAF** 126.7

**CHARTS RELATED TO THE AERODROME**

WAC 3109.

**DELTA DOWNS**

**ELEV 50**

**FULL NOTAM SERVICE NOT AVBL**

QLD  
165930S 1411900E  
AD OPR Morr Morr Pastoral Co Pty Ltd, via Normanton, QLD, 4890.  
PH 07 4745 3433. Fax 07 4745 3408.

UTC +10 YDLT  
VAR 6 DEG E UNCR

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 118.6 Circuit Area

**CTAF** 126.7

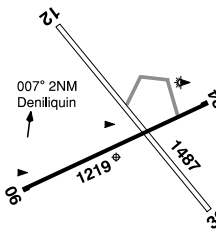
**CHARTS RELATED TO THE AERODROME**

WAC 3220.

DENILIKUIN

ELEV 316

AVFAX CODE 3060



NSW353334S1445647EUTC +10YDLQ

VAR 11 DEG E

CERT

AD OPR Edward River Council, PO Box 270, Deniliquin, NSW, 2710.

PH 03 5898 3000. ARO 0447 223 620: Airport MGR 03 5898 3035.

REMARKS

AD Charges: Itinerant ACFT - NIL, Regular users - Annual fee.

HANDLING SERVICES AND FACILITIES

Field Air: PH 03 5881 2667, AH 0429 935 448. AH call-out fee \$50. MC and V credit cards AVBL. JET A1.

Aero Refuellers: PH 0413 003 808. AVGAS H24 (Aero Refuellers Carnet, MC, V, Credit/Debit Cards) AVBL.

PASSENGER FACILITIES

PT

METEOROLOGICAL INFORMATION PROVIDED

1. METAR/SPECI.
2. AWIS PH 02 9353 6418 - Report faults to BoM.
3. AWIS FREQ 133.20 (requires one-second pulse to activate) - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

06/2405540aPCN 10 /F /D /580 (84PSI) /TWID 30RWS 150

12/3013049cUnrated. Grassed brown silt clayWID 30RWS 90

AERODROME AND APPROACH LIGHTING

RWY 06/24LIRL(1)

(1) HN

RWY edge light spacing: 06/24: 90M.

OTHER LIGHTING

TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

FIAMELBOURNE CENTRE118.6 4,500FT

LOCAL TRAFFIC REGULATIONS

Turning nodes 45 each end of RWY.

FLIGHT PROCEDURES

1. All movements - Right hand circuit pattern RWY 06 on LDG or after TKOF.
2. Right hand circuit pattern RWY 12 on LDG or after TKOF.

CTAF 119.0

ADDITIONAL INFORMATION

Bird hazard exists.

CHARTS RELATED TO THE AERODROME

1. WAC 3457.
2. Also refer to AIP Departure and Approach Procedures.

DENMARK

ELEV 230

6027

WA345645S1172350EUTC +8YDEK

VAR 2 DEG W

UNCR

AD OPR Shire of Denmark, PO Box 183, Denmark, WA, 6333.

PH 08 9848 0300, Airstrip PH 08 9848 1334 untended.

PH AH EMERG call centre 08 9848 0300.

HANDLING SERVICES AND FACILITIES

No fuel at airport. Air BP AVGAS and JET A1 AVBL H24 card bowser at Albany, 20NM East.

**PASSENGER FACILITIES**

WC in terminal building, door lock code same as CTAF FREQ.

**AERODROME OBSTACLES**

1. Unlit wind turbine 634FT AMSL PSN 350207.59S 1171906.99E APRX 6.5NM SSW of YDEK
2. Unlit wind turbine 614FT AMSL PSN 350213.00S 1171915.52E APRX 6.5NM SSW of YDEK

**PHYSICAL CHARACTERISTICS**

09/27 093 40a Unrated. Sealed. RWY LEN 1,204M. DTHR WID 15 RWS 44  
RWY 09 & RWY 27 55M. Turn pads each end  
28M WID. Slope first 200M 1.75% up to W.

**AERODROME AND APPROACH LIGHTING**

RWY 09/27 LIRL PAL+AA 120.6

No SDBY PWR AVBL.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 123.9

**LOCAL TRAFFIC REGULATIONS**

ACFT greater than 2,000KG make wide radius turns while on RWY, no pivot turns.

**CTAF 127.85**

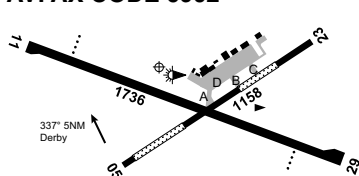
Shared with Albany Airport 20NM to E, AFRU at Albany.

**ADDITIONAL INFORMATION**

1. Hills to the W, not lit.
2. AD used as forward base for aerial water bombers in event of regional bushfires. Use caution, park on grass during water bomber OPS.

**CHARTS RELATED TO THE AERODROME**

WAC 3462.

**DERBY****ELEV 24****AVFAX CODE 6902**

WA UTC +8 YDBY  
172212S 1233938E VAR 2 DEG E CERT  
AD OPR Shire of Derby/West Kimberley, PO BOX 94, Derby,  
WA, 6728. Email: [sdwk@sdwk.wa.gov.au](mailto:sdwk@sdwk.wa.gov.au). PH 08 9191 0999.  
ARO H24 0408 011 433. PH AH AD MGR 0418 922 415:  
Ports MGR 0427 272 007.

**HANDLING SERVICES AND FACILITIES**

AIR BP: 2330-0730 UTC JO, AH JET A1 by prior arrangement only. Call-out fees apply. Phone 0456 051 988. H24 AVGAS BP carnet card bowser.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT C, METAR/SPECI.
2. AWIS Phone 08 6216 2610 - Report faults to AD OPR.
3. AWIS FREQ 135.5 - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

05/23 054 38c 5700/550 (80PSI) Red gravel. Sealed 88M SW WID 18 RWS 90  
end; 186M NE end and 323M in centre  
11/29 108 57a PCN 24 /F /B /1150 (167PSI) /T WID 30 RWS 90

**AERODROME AND APPROACH LIGHTING**

RWY 11/29 LIRL(1) AFRU+PAL 126.7 SDBY PWR AVBL

RWY 11/29 PAPI AFRU+PAL 126.7 3.0 DEG51FT SDBY PWR AVBL

(1) MAN ACT by AD OPR. H24 PN required. CTC AD OPR

**OTHER LIGHTING**

TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 122.1 On Ground

**RADIO NAVIGATION AND LANDING AIDS**

|     |                |     |           |            |                  |     |
|-----|----------------|-----|-----------|------------|------------------|-----|
| NDB | DBY            | 332 | 172124.6S | 1234001.1E | Range 50 (HN 50) | (1) |
| (1) | 200/1.0 to ARP |     |           |            |                  |     |

**FLIGHT PROCEDURES**For special procedures which apply to the Horizontal Falls, see *ERSA GEN - SPECIAL PROCEDURES*.**CTAF - AFRU 126.7**

Outside Curtin TWR HR.

**ADDITIONAL INFORMATION**

Bird and animal hazard exists. Inspections AVBL with 60MIN PN. Charges may apply.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3223.
2. Also refer to AIP Departure and Approach Procedures.

**DEVONPORT****ELEV 33****AVFAX CODE 7003**

TAS

411011S

1462549E

UTC +10

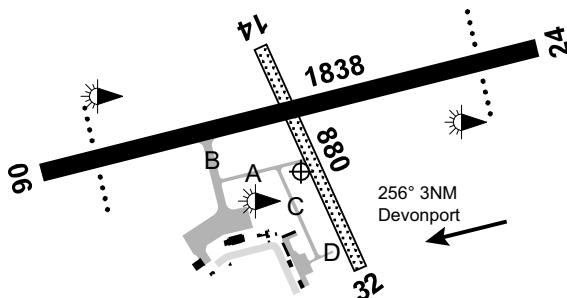
VAR 14 DEG E

YDPO

CERT

AD OPR Tasmanian Ports Corporation Pty Ltd, PO Box 478, Devonport, TAS, 7310.

PH +61 408 341 814.

**REMARKS**

1. AD Charges: All ACFT.
2. This AD is a Security Controlled Airport.

**HANDLING SERVICES AND FACILITIES**

H24 AVGAS by Air BP Carnet Card Swipe Bowser.

AVTAS Fuels Pty Ltd: 0600-1800 Local DLY, AH call-out fee - 1HR PN. Mobile 0417 397 828 H24.

JET A1 (tanker) PN 30 MIN. Cash, MC and V.

World Fuel Services H24 overwing/underwing JET A1 bowser. WFS carnet card, V and MC credit card via Compac Pay smartphone APP. Phone 0417 397 828.

## AERODROME OBSTACLES

1. Communications TWR 69FT AGL BRG 240 MAG 221M FM ARP fitted with red OBST LGT Infringes TNS by 30FT.
2. Wind indicators:
  - a. 30FT AGL BRG 275 MAG 720M FM ARP fitted with red OBST LGT Infringes TNS by 23FT.
  - b. 30FT AGL BRG 052 MAG 660M FM ARP fitted with red OBST LGT Infringes TNS by 29FT.
3. Vegetation:
  - a. BRG 261 MAG 1,312M FM ARP Infringes APCH SFC by APRX 12FT.
  - b. BRG 264 MAG 1,200M FM ARP Infringes APCH SFC by APRX 15FT.
  - c. BRG 251 MAG 1,590M FM ARP Infringes APCH SFC by APRX 1FT.
  - d. BRG 254 MAG 1,520M FM ARP Infringes APCH SFC by APRX 8FT.
  - e. BRG 267 MAG 1,060M FM ARP Infringes TNS SFC by APRX 1FT.
  - f. BRG 265 MAG 1,120M FM ARP Infringes TNS SFC by APRX 11FT.
  - g. BRG 270 MAG 1,000M FM ARP Infringes TNS SFC by APRX 5FT.
  - h. BRG 240 MAG 3,300M FM ARP Infringes APCH SFC by APRX 35FT.
  - i. BRG 070 MAG 4,300M FM ARP Infringes APCH SFC by APRX 60FT.
  - j. BRG 148 MAG 1,540M FM ARP Infringes APCH SFC by APRX 2FT.

## METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT C, METAR/SPECI.
2. AWIS Phone 03 6283 8600 - Report faults to BoM.
3. AWIS FREQ 133.225 (requires one-second pulse to activate) - report faults to AD OPR.

## PHYSICAL CHARACTERISTICS

|       |     |     |                                        |        |         |
|-------|-----|-----|----------------------------------------|--------|---------|
| 06/24 | 062 | 60a | PCN 29 /F /C /1200 (174PSI) /T Grooved | WID 45 | RWS 300 |
| 14/32 | 142 | 29c | Unrated. Grass                         | WID 30 | RWS 90  |

## AERODROME AND APPROACH LIGHTING

|           |      |                |             |               |
|-----------|------|----------------|-------------|---------------|
| RWY 06/24 | LIRL | AFRU+PAL 122.3 |             | SDBY PWR AVBL |
| RWY 06/24 | PAPI | AFRU+PAL 122.3 | 3.0 DEG28FT | SDBY PWR AVBL |

1. RWY edge light spacing: 06/24: 60M.
2. For manual activation of lighting contact ARO 0408 341 814.

## OTHER LIGHTING

|     |           |                              |
|-----|-----------|------------------------------|
| ABN | ALTN 8 WG |                              |
| HBN | OCC R     | 2 lights on RWY 24 approach. |

1. SDBY PWR switchover time: 20 SEC.
2. TWY LGT: Blue edge.

## ATS AND AERODROME COMMUNICATION FACILITIES

|     |                  |                 |
|-----|------------------|-----------------|
| FIA | MELBOURNE CENTRE | 120.7 On Ground |
|-----|------------------|-----------------|

## LOCAL TRAFFIC REGULATIONS

1. Apron bays 1, 2 and 3 not AVBL to non-RPT ACFT without prior approval from AD OPR.
2. RWY 06/24 turning restrictions: Pilots to use full RWY width when turning (no sharp turns).

## FLIGHT PROCEDURES

1. Right hand circuits RQ when OPR on RWY 24.
2. Landing RWY 14/32 limited to ACFT not ABV 5,700KG by day in VMC.

## CTAF - AFRU 126.9

VHF COM between aircraft on ground Devonport & Wynyard may not be AVBL.

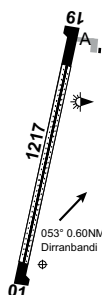
*Note: Due to communication difficulty between Devonport and Wynyard for ACFT on GND, pilots are encouraged to make calls airborne and/or on departure, as appropriate, on the CTAF to enhance self help TFC INFO.*

## ADDITIONAL INFORMATION

Bird hazard exists.

## CHARTS RELATED TO THE AERODROME

1. WAC 3556.
2. Also refer to AIP Departure and Approach Procedures.

**DIRRANBANDI****ELEV 567****AVFAX CODE 4112**

QLD 283530S 1481300E UTC +10  
AD OPR Balonne Shire Council, PO Box 201, St George, QLD, 4487.  
PH 07 4620 8888. ARO 0428 258 386: 0428 258 997: 0492 273 881.

YDBI  
CERT**PASSENGER FACILITIES**

WC.

**AERODROME OBSTACLES**

Lit Telstra TWR 1,233M FM RWY 01 SOT, 040DEG MAG, infringes inner HZS by 7M.

**PHYSICAL CHARACTERISTICS**

01/19 009 40a/c PCN 5 /F /B /580 (84PSI) /U Natural red gravel, WID 30 RWS 90  
central 18M sealed, SFC U/S in wet WX.

**AERODROME AND APPROACH LIGHTING**

RWY 01/19 LIRL(2) PAL 119.6 SDBY PWR AVBL BY PRIOR ARRANGEMENT  
RWY 01/19 PTBL(1) BY PRIOR ARRANGEMENT

- (1) 24HRS PN.  
(2) EMERG medical OPS only.  
RWY edge light spacing: 01/19: 90M.

**OTHER LIGHTING**

1. SDBY PWR switchover time: Manually activated - 15 MIN notice required.  
2. TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 118.95 700FT

**CTAF** 126.7**ADDITIONAL INFORMATION**

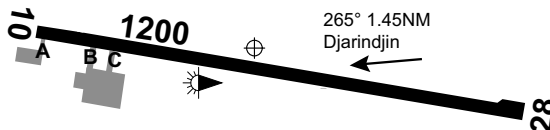
Animal hazard exists.

**CHARTS RELATED TO THE AERODROME**

WAC 3356, 3357.

**DJARINDJIN/LOMBADINA****ELEV 155****AVFAX CODE 6917**

WA 163055S 1225525E UTC +8  
AD OPR Djarindjin Airport Pty Ltd, PO Box 920, Broome, WA, 6725. Email:  
djarindjin@mssgroup.com.au. PH 08 9192 4940. AD MGR/ARO: 0418 791 019.  
CEO: 0419 837 572 or 0427 340 034.

YLBD  
CERT**REMARKS**

1. PPR HN.  
2. AD charges: all ACFT.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT B, METAR/SPECI.
2. AWIS FREQ 128.60 (requires one two-second pulse to activate) - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

10/28 104 39a PCN 8 /F /C /1275 (185PSI) /U WID 18 RWS 80

**AERODROME AND APPROACH LIGHTING**

RWY 10/28 LIRL PAL 119.65 SDBY PWR AVBL  
RWY 10/28 PTBL(1) BY PRIOR ARRANGEMENT

(1) EMERG only. 45MIN PN.

RWY 10/28 edge light spacing: 60M.

**OTHER LIGHTING**

Secondary PWR switchover time: 15SEC.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 122.1

**CTAF** 127.2

**CHARTS RELATED TO THE AERODROME**

1. WAC 3223.
2. Also refer to AIP Departure and Approach Procedures.

**DOCHRA****ELEV 228****AVFAX CODE 2038****FULL NOTAM SERVICE NOT AVBL**

NSW UTC +10 YDOC  
323902S 1511229E VAR 12 DEG E UNCR

AD OPR Australian Army District Support Unit, Singleton, NSW, 2331. PH 02 6575 0345.

**REMARKS**

1. 48HR PN required from Range Control; Phone 02 6575 0345 or 0467 809 320.
2. Caution: This aerodrome is not subject to routine serviceability inspection or NOTAM advice of unserviceabilities. Additional aerodrome data is available from the contact telephone numbers above or for MIL Aircrew: <http://drnet.defence.gov.au/ARMY/FORCOMD/Headquarters/AviationBranch/AvnAwDir/Pages/OPAW.aspx>
3. Contact range control room on 02 6575 0345, RCO on 02 6575 0432, mobile 0418 166 358 or ARCO on 02 6575 0346, mobile 0417 497 443 prior to DEP to CFM FREQ RQMNTS.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 125.7

**LOCAL TRAFFIC REGULATIONS**

ACFT maneuvering restricted to southern end of airstrip where practicable.

**FLIGHT PROCEDURES**

Agency Range CTL (callsign 60A), FREQ 132.9 and FM FREQ 72.6 P. Call 10 MIN from entry into R564A and R564B. No entry to R564A and R564B without clearance from 60A.

CAUTION: NOTAM not issued.

**CTAF** 126.7

**ADDITIONAL INFORMATION**

Live firing may be in progress at any time with little or no warning.

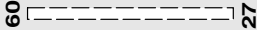
**CHARTS RELATED TO THE AERODROME**

WAC 3456.

DOCKER RIVER

ELEV 1931

FULL NOTAM SERVICE NOT AVBL



NT  
245130S                      1290724E                      UTC +9:30                      YDVR  
VAR 3 DEG E                      UNCR  
AD OPR Docker River Community Council, Docker River, via Alice Springs, NT, 0871. PH 08 8956 7337. ARO 8956 7337: 8956 7708. Fax 8956 7338.

PASSENGER FACILITIES

Telephone facilities not AVBL.

AERODROME OBSTACLES

Hills located 180DEG MAG FM AD distance 0.5NM are approximately 1,302FT ABV as ELEV (See Special procedures).

ATS AND AERODROME COMMUNICATION FACILITIES

FIA                      MELBOURNE CENTRE                      121.85 9000FT

FLIGHT PROCEDURES

Right hand circuits required when operating on RWY 27.

CTAF 126.7

ADDITIONAL INFORMATION

Animal hazard exists on AD.

CHARTS RELATED TO THE AERODROME

WAC 3344.

DOLPHIN PLATFORM

ELEV 80

AVFAX CODE 9709

FULL NOTAM SERVICE NOT AVBL

VIC                      UTC +10                      YUPA  
382914S                      1472239E                      VAR 13 DEG E                      UNCR  
AD OPR ESSO Australia Pty Ltd., Garretts Road, Longford, VIC, 3851. PH 03 5143 4200.

REMARKS

- 1. Offshore oil and gas platform.
- 2. CASA approved operators only.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA                      MELBOURNE CENTRE                      124.0

CTAF 129.75

ADDITIONAL INFORMATION

Dolphin Platform is part of the Bass Strait maritime security zone.

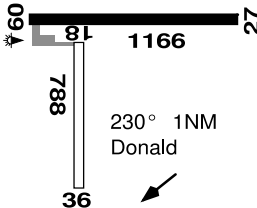
CHARTS RELATED TO THE AERODROME

- 1. WAC 3470.
- 2. Also refer to AIP Departure and Approach Procedures.

DONALD

ELEV 409

AVFAX CODE 3016



VIC                      UTC +10                      YDOD  
362137S                      1430027E                      VAR 10 DEG E                      CERT  
AD OPR Buloke Shire Council, PO Box 1, Wycheproof, VIC, 3527. PH 1300 520 520. Fax 03 5493 7395.

AERODROME OBSTACLES

- 1. Concrete tank 37FT ABV and 355M S of RWY 36 end RWY 18/36.
- 2. Lit Mast 628FT, 1,370M W of RWY 36 THR. Top 23FT unlit.



## PHYSICAL CHARACTERISTICS

|       |     |     |                            |
|-------|-----|-----|----------------------------|
| 09/27 | 087 | 38a | 5700/450 (65PSI)           |
| 18/36 | 177 | 26c | Unrated. Grassed sand clay |

WID 18      RWS 90  
WID 30      RWS 90

## AERODROME AND APPROACH LIGHTING

RWY 09/27      LIRL      PAL 125.1

RWY edge light spacing: 09/27: 89M.

## OTHER LIGHTING

TWY LGT: Blue edge with amber at holding point.

## ATS AND AERODROME COMMUNICATION FACILITIES

|     |                  |                    |
|-----|------------------|--------------------|
| FIA | MELBOURNE CENTRE | 125.8 Circuit Area |
|-----|------------------|--------------------|

**CTAF 126.7**

### ADDITIONAL INFORMATION

Animal hazard (kangaroos) WI AD VCY.

## CHARTS RELATED TO THE AERODROME

WAC 3469.

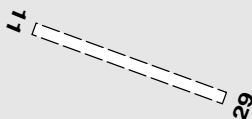
## DONNINGTON AIRPARK

ELEV 250

**FULL NOTAM SERVICE NOT AVBL**

11 29

QLD 193606S 1465030E UTC +10 YDOP  
VAR 7 DEG E UNCR  
AD OPR Doris I Smith, PO Box 10, Aitkenvale, QLD, 4814.  
PH 0418 636 727 (OPS Manager): AH 07 4778 8726.



## REMARKS

**AD Charges:** Landing \$10. Parking \$5 per day.

## HANDLING SERVICES AND FACILITIES

MOGAS AVBL FM roadhouse (13KM FM AD) - transport and 20L drums AVBL with prior notice.

## PASSENGER FACILITIES

WC/PT at hangars. Pilot lounge and transport to Townsville AVBL CTC AD OPR for details.

## PHYSICAL CHARACTERISTICS

|       |     |                               |        |        |
|-------|-----|-------------------------------|--------|--------|
| 11/29 | 31c | Unrated. Grass. RWY LEN 930M. | WID 30 | RWS 90 |
|-------|-----|-------------------------------|--------|--------|

## ATS AND AERODROME COMMUNICATION FACILITIES

|     |                     |                                         |
|-----|---------------------|-----------------------------------------|
| FIA | BRISBANE CENTRE     | 120.55 (Outside TL ATS HR) Circuit Area |
| FIA | TOWNSVILLE APPROACH | 126.8 (DRG TL ATS HR) Circuit area      |

**CTAF** 126.7

## CHARTS RELATED TO THE AERODROME

WAC 3219.

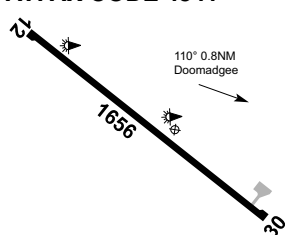
## DOOMADGEE

ELEV 160

**AVFAX CODE 4541**

QLD                                          UTC +10                                          YDMG  
175613S                      1384859E                      VAR 5 DEG E                      CERT

AD OPR Doomadgee Aboriginal Shire Council, Doomadgee, via  
Mount Isa, QLD, 4825. PH 07 3164 6279. ARO 0427 706 402.  
Fax 07 4745 8055.



REMARKS

1.

AD Charges: All ACFT.
2.

This AD is a Security Controlled Airport.
3.

Alcohol is restricted in Doomadgee Shire. Heavy penalties apply. Special provisions apply for alcohol being transported on consignment, and restrictions may vary from time to time. Further information on alcohol restrictions is available by calling 13 QGOV (13 74 68) or at: <https://www.datsip.qld.gov.au/programs-initiatives/community-alcohol-limits>

HANDLING SERVICES AND FACILITIES

Nil fuel.

PASSENGER FACILITIES

PT (in terminal).

PHYSICAL CHARACTERISTICS

12/3011554aPCN 10 /F /B /850 (123PSI) /U

WID 30RWS 90

AERODROME AND APPROACH LIGHTING

RWY 12/30LIRLAFRU+PAL

SDBY PWR AVBL BY PRIOR ARRANGEMENT

126.7

RWY edge light spacing: 12/30: 90M.

OTHER LIGHTING

1.

SDBY PWR AVBL manually activated: 1HR PN.
2.

TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

FIABRISBANE CENTRE

125.7 3000FT

CTAF - AFRU 126.7

CHARTS RELATED TO THE AERODROME

1.

WAC 3220.
2.

Also refer to AIP Departure and Approach Procedures.

DORUNDA STATION

ELEV 90

FULL NOTAM SERVICE NOT AVBL

QLD

UTC +10

YDOR

163315S1414927E

VAR 6 DEG E

UNCR

AD OPR Gulf Coast Agricultural Company Pty Ltd, PMB 8, Cairns MC, QLD, 4870.  
Email: [contact@gulfcoast.com.au](mailto:contact@gulfcoast.com.au). PH 07 4745 3463. Website: [www.gulfcoast.com.au](http://www.gulfcoast.com.au).

REMARKS

1.

AD charges: All ACFT.
2.

PPR.

AERODROME OBSTACLES

1.

Unlit mast 83FT AMSL.
2.

Telstra phone TWR near homestead.

PHYSICAL CHARACTERISTICS

RWY 13/31 1,600M. WID 18M.

ATS AND AERODROME COMMUNICATION FACILITIES

FIABRISBANE CENTRE

118.6 3000FT

CTAF 126.7

ADDITIONAL INFORMATION

Cattle, pigs and wallabies on strip around dawn and dusk.

CHARTS RELATED TO THE AERODROME

WAC 3220.

**DROUIN****ELEV 330****FULL NOTAM SERVICE NOT AVBL**

VIC

UTC +10

YDRN

381232S

1454946E

VAR 12 DEG E

UNCR

AD OPR Drouin Aviation Group, PO Box 270, Drouin, VIC, 3818. Email: cgrechcumbo@gmail.com.

PH 0417 692 066: 0418 586 320. Website: www.drouinaviation.org.au.

**REMARKS**

1. PPR FM AD OPR.
2. The following restrictions apply at the AD:
  - a. No flight training, charter, airwork or HEL OPS.
  - b. ACFT weight restricted to 1,140KG.
3. **Operating HR**
  - a. MON-SAT: 0700-1900 Local.
  - b. SUN and Public Holidays: 0900-1900 Local.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA

MELBOURNE CENTRE

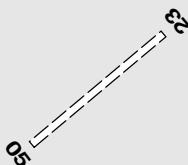
123.35 On Ground

**CTAF 126.7****ADDITIONAL INFORMATION**

1. Animal hazards (kangaroos, birds and stock) exist.
2. Grass areas adjacent to the strip can be soft after rain.
3. Fly neighbourly procedures are available on website.

**CHARTS RELATED TO THE AERODROME**

WAC 3470.

**DRYSDALE RIVER****ELEV 1180****FULL NOTAM SERVICE NOT AVBL**

WA

UTC +8

YDRD

154247S

1262253E

VAR 2 DEG E

UNCR

AD OPR A.Koeyers, Drysdale River Station, PMB 9, Kununurra, WA, 6743.

PH 08 9161 4326.

**HANDLING SERVICES AND FACILITIES**

Drum fuel only with prior arrangement.

**PASSENGER FACILITIES**

AC (At homestead).

**AERODROME OBSTACLES**

Telephone TWR at homestead.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA

BRISBANE CENTRE

120.75 FL200

**CTAF 128.0****CHARTS RELATED TO THE AERODROME**

WAC 3108.

DUBBO

AVFAX CODE 2215

NSW

321300S

AD OPR Dubbo Regional Council, PO Box 81, Dubbo, NSW, 2830. PH 02 6801 4000.

ARO 0417 717 871. Website: [www.dubbo.nsw.gov.au](http://www.dubbo.nsw.gov.au).

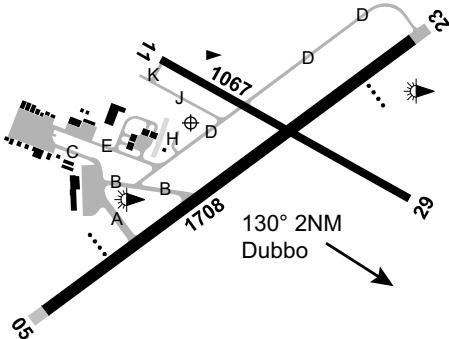
ELEV 935

UTC +10

VAR 11 DEG E

YSDU

CERT



REMARKS

- 1. AD Charges: All ACFT - \$14.00/tonne pro rata.
- 2. This AD is a Security Controlled Airport.
- 3. PN for PJE required in writing, 30 days prior to date.
- 4. PRKG fees apply to all ACFT on sealed APN after 48HR, INFO AVBL FM AD OPR.
- 5. Hi-visibility reflective vest (or equivalent) must be worn when operating airside.

HANDLING SERVICES AND FACILITIES

AIR BP - Nicholls Aviation: H24 0419 767 200, 45MIN PN, call-out fee. JET A1 AIR BP Carnet. VIVA Energy Aviation. 24HR 7 Days 0700-1700. AVGAS and JET A1 tankers, AH 45MIN PN. Mobile 0407 708 066, Fax 02 6882 7522, 24HR AVGAS Card Swipe Bowser. VIVA Fuel2Sky fuel card and credit cards (V and MC).

PASSENGER FACILITIES

HC/PT/LG/RF PH 0403 227 827 AVBL 0530-2030 Local DLY. WC/TX H24.

APRONS AND TAXIWAYS

- 1. TWY C, D, E, J, K and GA aprons not AVBL to ACFT ABV 8,000KG MTOW.
- 2. TWY H not AVBL to ACFT ABV 5,700KG MTOW.
- 3. TWY A WID 23 Code C. AVBL to ACFT up to Code C.
- 4. TWY B AVBL to Code C ACFT. TWY B not AVBL to ACFT ABV 20,000KG MTOW. ACFT ABV 20,000KG to use TWY A.

AERODROME OBSTACLES

- 1. Tree 1,014FT AMSL 2,670M FM SOT RWY 23 96M S of CL. Infringes TKOF SFC.
- 2. Pole 978FT AMSL 2,338M FM SOT RWY 23 156M N of CL. Infringes TKOF SFC.
- 3. Groups of trees:
  - a. 1,046FT AMSL 3,113M FM SOT RWY 23 74M S of CL. Infringes TKOF SFC.
  - b. 1,046FT AMSL 3,128M FM SOT RWY 23 52M S of CL. Infringes TKOF SFC.

METEOROLOGICAL INFORMATION PROVIDED

- 1. TAF CAT B, METAR/SPECI.
- 2. AWIS PH 02 9353 6419 - Report faults to BoM.
- 3. AWIS FREQ 122.975 (requires one-second pulse to activate) - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

|       |     |     |                                |        |         |
|-------|-----|-----|--------------------------------|--------|---------|
| 05/23 | 043 | 56a | PCN 19 /F /C /1100 (160PSI) /T | WID 45 | RWS 150 |
| 11/29 | 108 | 35a | 8000/600 (87PSI) Sealed        | WID 18 | RWS 90  |

RWY 05/23 - Sealed blast areas 60 X 45 at ends.

**AERODROME AND APPROACH LIGHTING**

RWY 05/23 LIRL PAL 121.3

SDBY PWR AVBL

RWY 05/23 PAPI(1) PAL 121.3

3.0 DEG46FT

SDBY PWR AVBL

(1) Left side.

RWY edge light spacing: 05/23: 60M.

**OTHER LIGHTING**

1. SDBY PWR switchover time: 9 SEC.

2. TWY LGT: Blue edge on A and B.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE

123.9 On Ground

**RADIO NAVIGATION AND LANDING AIDS**

NDB DU 251 321303.1S 1483332.7E Range 90 (HN 70)

(1)

(1) 075/0.9 to ARP

**LOCAL TRAFFIC REGULATIONS**

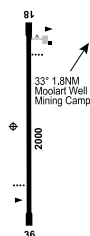
- All ACFT must takeoff and land using sealed RWY only unless approved by AD OPR with PN required.
- Grass PRKG AVBL for ACFT BLW 8,000KG MTOW BTN TWY C and E AVBL via TWY E only.
- PRKG position:
  - 4 restricted to Code B ACFT or below. Parking restricted to 1HR only.
  - 1 and 1A restricted to Code B ACFT or below. Parking restricted to RPT ACFT only.
  - 2 and 3 restricted to Code C ACFT or below. Parking restricted to RPT ACFT only.

**CTAF - AFRU 134.0****ADDITIONAL INFORMATION**

- Bird and animal hazard (kangaroos and wallabies) exists.
- All pilots and operators must possess and display a current Australian Security Identification Card (ASIC) when airside.

**CHARTS RELATED TO THE AERODROME**

- WAC 3456, 3457.
- Also refer to AIP Departure and Approach Procedures.

**DUKETON GOLD****ELEV 1770****AVFAX CODE 6115**

WA

273607S

1222002E

UTC +8

VAR 2 DEG E

YDKG

CERT

AD OPR Regis Resources Ltd, PO Box 862, Subiaco, WA, 6904. PH AD Manager:

0409 880 827. Email: scox@regisresources.com. ARO H24: 0456 649 886:

08 8151 3665. Email: dgparo@regisresources.com.

**REMARKS**

Restricted OPS PPR.

**HANDLING SERVICES AND FACILITIES**

PRKG and ground handling by prior arrangement with AD OPR. JET A1 AVBL. CTC AD Manager/ARO.

**AERODROME OBSTACLES**

Lit masts:

- 2,011FT AMSL BRG 138 DEG MAG 2.3NM FM ARP. Infringes inner HZS by 105FT.
- 1,932FT AMSL BRG 130 DEG MAG 1.4NM FM ARP. Infringes inner HZS by 26FT.

**PHYSICAL CHARACTERISTICS**

18/36 179 66a PCN 27 /F /B /1200 (174PSI) /T Grooved WID 30 RWS 150

|     |                  |       |
|-----|------------------|-------|
| FIA | MELBOURNE CENTRE | 125.4 |
|-----|------------------|-------|

**CTAF 126.7****CHARTS RELATED TO THE AERODROME**

WAC 3462.

**DUNBAR****ELEV 163****FULL NOTAM SERVICE NOT AVBL**

QLD

UTC +10

YDBR

160300S

1422400E

VAR 6 DEG E

UNCR

AD OPR The Manager, Dunbar Station, PMB 9, Cairns, QLD, 4871. PH 07 4060 3217.

Fax 4060 3329.

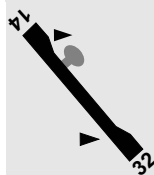
**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

118.6 9000FT

**CTAF 126.7****CHARTS RELATED TO THE AERODROME**

WAC 3220.

**DUNK ISLAND****ELEV 20****FULL NOTAM SERVICE NOT AVBL**

QLD

UTC +10

YDKI

175615S

1460826E

VAR 7 DEG E

UNCR

AD OPR Family Islands Operations Pty Ltd, 112-118 Mulgrave Rd, Cairns, QLD, 4870. Email: adam@bondgroup.com.au. PH 0407 769 634.

**REMARKS**

1. Landing and parking fees apply to all ACFT except those carrying resort guests.
2. Restricted OPS: PPR FM AD OPR.

**AERODROME OBSTACLES**

1. RWY 14/32 transitional SFC infringed by trees on both side of the RWY.
2. Inner HZS infringed by hills to the E of AD. OBST lights not provided.

**PHYSICAL CHARACTERISTICS**

14/32 25 Unrated. Sealed

WID 18 RWS 60

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

124.6 On Ground

**LOCAL TRAFFIC REGULATIONS**

ACFT DEP Dunk Island for Cairns that have obtained a Landing Slot Time from ATC will be processed more expeditiously.

**FLIGHT PROCEDURES**

Right hand circuits REQ when OPR RWY 14.

**CTAF 132.9****CHARTS RELATED TO THE AERODROME**

WAC 3219.

5L

33

QLD

273100S

1532542E

AD OPR North Stradbroke Airfield Pty Ltd, PO Box 29, Dunwich, QLD, 4183.  
Email: admin@bremer.net.au. PH Airfield Manager 0472 691 766: 0412 083 331:  
0419 035 606. Website: www.ydun.com.au.

5L

33

REMARKS

1. AD Charges apply - CTC AD OPR or refer to website.  
2. Refer operational guidelines; AVBL on website.

HANDLING SERVICES AND FACILITIES

Nil fuel AVBL. Other services by prior arrangement, CTC AD OPR.

ELEV 250

FULL NOTAM SERVICE NOT AVBL

UTC +10

YDUN

VAR 11 DEG E

UNCR

PASSENGER FACILITIES

AC (prior arrangement)/PT/TX/RF/WC.

AERODROME OBSTACLES

TWR on ridge line 120DEG/1,500M FM field, APRX 165FT AGL.

PHYSICAL CHARACTERISTICS

15/33 26c Unrated. Grass. RWY LEN 800M. Slope 1.5% WID 15 down to N.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA BRISBANE CENTRE 125.7 Circuit Area

LOCAL TRAFFIC REGULATIONS

1. Avoid rising ground to S of RWY 15.  
2. HEL and ACFT circuit training not permitted at anytime.

FLIGHT PROCEDURES

Preferred landing RWY 15.

CTAF 126.7

ADDITIONAL INFORMATION

1. Animal hazard (Kangaroo) exists on RWY at all times.  
2. During times of strong winds, turbulence and windshear may be experienced in the circuit.  
Windshear can also exist on final.  
3. Periodic high density traffic in vicinity.  
4. All weather grass strip, use normal precaution for this type of RWY.

CHARTS RELATED TO THE AERODROME

WAC 3340.

6L

01

QLD

270430S

1415400E

AD OPR S. Kidman & Co. Durham Downs Station, via Quilpie, QLD, 4480.  
PH 07 4655 4366.

REMARKS

0930-1630 Local JO. EST.

PASSENGER FACILITIES

Telephone facilities not AVBL.

ELEV 380

FULL NOTAM SERVICE NOT AVBL

UTC +10

YDRH

VAR 8 DEG E

UNCR

ATS AND AERODROME COMMUNICATION FACILITIES

FIA BRISBANE CENTRE 118.8 Circuit Area

CTAF 126.7

CHARTS RELATED TO THE AERODROME

WAC 3342.



DURRIE

QLD

254105S

AD OPR S. Kidman & Co, Durrie Station, via Birdsville, QLD, 4482. PH 07 4656 4944.

ELEV 190

FULL NOTAM SERVICE NOT AVBL

UTC +10

VAR 7 DEG E

YDRI

UNCR

1401324E

125.4 Circuit Area

PASSENGER FACILITIES

Telephone facilities not AVBL.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA      BRISBANE CENTRE

CTAF 126.7

CHARTS RELATED TO THE AERODROME

WAC 3342.

DYSART

AVFAX CODE 4413

QLD

223720S

AD OPR Alyce Nielsen Air Services Pty Ltd, Level 34 Central Plaza, 345 Queen Street, Brisbane QLD, 4000. PH Nicholas Williams 07 3174 4816.

ELEV 682

FULL NOTAM SERVICE NOT AVBL

UTC +10

VAR 8 DEG E

YDYS

UNCR

1482150E

128.55 Circuit Area



REMARKS

1.      This AD is NOT a Security Controlled Airport.

2.      AD not AVBL EXC for MED OPS ACFT.

PHYSICAL CHARACTERISTICS

14/32      138   51a   PCN 8 /F /A /760 (110PSI) /U      WID 30      RWS 90

AERODROME AND APPROACH LIGHTING

RWY 14/32      LIRL(1)

(1)      EMERG only. PPR

ATS AND AERODROME COMMUNICATION FACILITIES

FIA      BRISBANE CENTRE

FLIGHT PROCEDURES

Right hand circuits RQ when OPR on RWY 32.

CTAF 126.7

CHARTS RELATED TO THE AERODROME

WAC 3234, 3235.



**EAST JAURDI****ELEV 1448****AVFAX CODE 6114**

WA

UTC +8

YEJ1

304610S

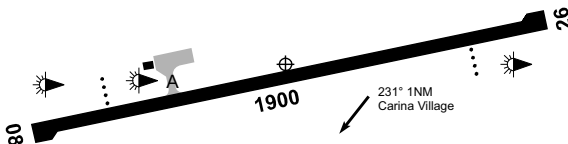
1201843E

VAR 0 DEG E

CERT

AD OPR Polaris Metals Pty Ltd, 20 Walters Dr, Osborne Park, WA, 6017.

Email: eastjaurdi.airport@processminerals.com.au. PH 08 9329 3600. ARO H24 0417 095 576.

**REMARKS**

24 HR PPR from AD Manager.

**APRONS AND TAXIWAYS**

TWY A WID 15M (3.5M shoulders).

**AERODROME OBSTACLES**

Illuminated WDI 1,480FT AMSL BRG 265 MAG 0.32NM FM ARP. Infringes transitional SFC.

**PHYSICAL CHARACTERISTICS**

08/26 079 62a PCN 26 /F /B /1000 (145PSI) /T

WID 30 RWS 150

**AERODROME AND APPROACH LIGHTING**

RWY 08/26 LIRL AFRU+PAL 126.7

RWY 08/26 PAPI(1) AFRU+PAL 126.7 3.0 DEG 49FT

(1) Left side. MAN activated - 30 MIN PN to ARO. Electricity supply is derived from a generator.

**OTHER LIGHTING**

TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE

123.4 to W

FIA MELBOURNE CENTRE

125.75 to E

**LOCAL TRAFFIC REGULATIONS**

1. From the TWY holding point, ACFT at THR RWY 26 may not be visible.
2. ACFT at THR RWY 08 and RWY 26 may not be visible to each other.
3. Radio procedures apply for notes 1 and 2.
4. ACFT ABV 5,700KG must complete LDG roll to RWY THR and use turning pads at each end of the RWY on arrivals and departure.
5. MAX radius turns to be used.

**CTAF - AFRU 126.7****CHARTS RELATED TO THE AERODROME**

1. WAC 3351.
2. Also refer AIP Departure and Approach Procedures.

**EAST SALE****ELEV 23****AVFAX CODE 3048**

VIC

380556S

1470858E

UTC +10

VAR 13 DEG E

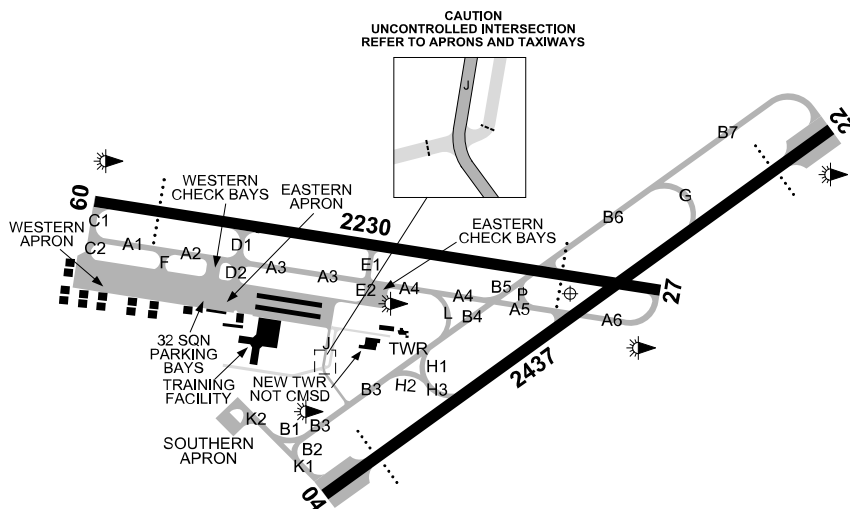
YMES

MIL

AD OPR RAAF, Airbase Operations Centre - RAAF Base East Sale, VIC, 3852.

Email: esl.aboc@defence.gov.au. PH 03 5169 9892

(AH CTC FWD to RAAF East Sale Duty Member).

**REMARKS**

1. AD NOT AVBL for general use – MILITARY EXCLUSIVE. PPR for all CIV OPS requesting landing and/or ground operations by written request to esl.aboc@defence.gov.au.
2. Visiting MIL ACFT planning to conduct INSTR APCH or circuit training at YMES – 12HR PN RQ to enable deconfliction with local OPS. Phone ATC 03 5146 7221 or email esl.atc@defence.gov.au. ACFT intending to vacate runways, irrespective of intentions, or requiring ground handling require 24HR PN to ESL ABOC.
3. ATS HR notified by NOTAM (R360/M301 Airspace Group - ESX). Outside ATS hours CTAF PROC apply. ATS may be ACT at short notice in support of MIL OPS, check YMES ATIS for status.
4. ATS Phone 03 5146 7221/03 5146 7214. Email esl.atc@defence.gov.au
5. All non-local MIL and CIV ACFT require 15MIN holding fuel during ATS hours – refer *Local Traffic Regulations*.

**HANDLING SERVICES AND FACILITIES**

Limited GSE AVBL contact ESL ABOC or Duty Manager (AH) for availability.

AMS (MIL) AVBL on 03 5146 7151 (HS) or 0429 162 671 (OT).

PN F34, O128, O149, O156, H515, S748, MMX45, PRESAIR, E1, E4, E5, E6, E7, E11, E12.

Provision of refuelling to ADF units outside of standard OPR HR is subject to direct cost recovery of the service component (i.e. ex fuel cost) from the requesting unit.

Aviation turbine fuel AVBL at East Sale contains synthetic blending components. ACFT not cleared to use aviation turbine fuels with synthetic blending components produced IAW American Society for Testing and Materials (ASTM) D7566 Annex A1 or A2, and certified to ASTM D1655 and Defence Standard 91 091, must not upload fuel at East Sale.

**RESCUE AND FIREFIGHTING SERVICES**

1. CAT 5 2200-1200 UTC MON-THU, 2200-0500 UTC FRI (1HR earlier during HDS), OT and PH CAT 4.
2. ARFF vehicles carry water and foam but no significant quantities of complimentary agent as recommended by ICAO.

## APRONS AND TAXIWAYS

1. ACFT with MAX wheel base greater than 18M restricted to RWY and TWY C. ADF C-17 operations exempt from wheel base limitations at discretion of ACFT operator.
2. TWY J not AVBL to ACFT with wingspan greater than 18M.
3. PCN Restrictions:
  - a. TWY E2, TWY J, Eastern and Western check bays, and APN East of TWY D2, PCN 14/C.
  - b. Area west of hangar 253 PCN 24/F/C.
  - c. All remaining airfield pavement PCN 47/C.
  - d. Pavement concessions available FM ESL ABOC with 24HR PN.
4. Wind Direction Restrictions:
  - a. When reported wind direction is BTN 030DEG MAG and 120DEG MAG, any ACFT which requires continuous running of engines, including but not limited to engine runs, is not to be conducted on the southern apron.
5. Uncontrolled INT: TWY J intersects with a vehicle access road. Carriage of a radio is not required by vehicles crossing at this INT. Watch for vehicles approaching FM both sides. Exercise caution DRG CTAF HR and DRG periods of low VIS.

## METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT B, METAR/SPECI, TAF3 issued hourly AVBL during MO HR (2100-0700 UTC MON-THU, 2100-0400 UTC FRI, EXC PH, OT by TAF RMK/NOTAM), AD WRNG.
2. AWIS Phone 03 8470 3206 - Report faults to BoM.
3. AWIS FREQ 125.4 - Report faults to 0419 365 325 (H24).
4. MET INFO AVBL FM Airservices Pilot Briefing. Elaborative briefing FM Defence MET Office 03 9669 4975 when staffed. AH AVBL FM MWO 03 9669 4850.

## PHYSICAL CHARACTERISTICS

|       |     |     |                                |        |         |
|-------|-----|-----|--------------------------------|--------|---------|
| 04/22 | 041 | 80a | PCN 47 /F /C /1750 (254PSI) /T | WID 45 | RWS 150 |
| 09/27 | 086 | 73a | PCN 47 /F /C /1750 (254PSI) /T | WID 45 | RWS 150 |

## AERODROME AND APPROACH LIGHTING

- |           |      |             |               |
|-----------|------|-------------|---------------|
| RWY 04/22 | MIRL |             | SDBY PWR AVBL |
| RWY 04/22 | PAPI | 3.0 DEG49FT | SDBY PWR AVBL |
| RWY 09/27 | MIRL |             | SDBY PWR AVBL |
| RWY 09/27 | PAPI | 3.0 DEG51FT | SDBY PWR AVBL |
1. PAPI RWY 09/27 night azimuth restricted to 9 DEG either side of centre line.
  2. AD LGT AVBL outside R360 HR of ACT, CTC "Base Fire" on 118.3 or Phone 03 5169 7060.

## OTHER LIGHTING

ABN                      ALTN 8 WG                      380602.18S 1470825.76E - 064/0.4

1. TWY LGT: Green CL.
2. Eastern and western check bay LGT: Blue edge and green CL.

## ATS AND AERODROME COMMUNICATION FACILITIES

|        |                  |                                        |
|--------|------------------|----------------------------------------|
| FIA    | MELBOURNE CENTRE | 124.0 On Ground when R360 deactivated. |
| ACC    | SALE CENTRE      | 135.8 (5)                              |
| ACD    | SALE DELIVERY    | 133.6P (1) (4) 134.1S (2)              |
| AFIS   | SALE RADIO       | (6) 118.3                              |
| APP    | SALE APPROACH    | 123.3 340.2                            |
| ATIS   | SALE ATIS        | (3) 125.4 350                          |
| CA/GRS | EAST SALE CA/GRS | 118.3 (7)                              |
| SMC    | SALE GROUND      | 127.25                                 |
| TWR    | SALE TOWER       | 118.3 257.8 350                        |

- (1) For ACFT RQ clearance to DEP West Sale and ACFT RQ clearance to transit R360 or M301.
- (2) For ACFT RQ clearance to DEP East Sale.
- (3) ATIS also AVBL on phone 03 5169 7488. AWIS BCST on ATIS outside East Sale TWR HR. East Sale NDB 350 also transmits voice in EMERG to ACFT with COM failure.
- (4) A/G FAC Sale Delivery 133.6 SDBY PWR not AVBL.

- (5) If ACC and APP are combined CS Sale Approach.
- (6) Sale AFIS, IAW AIP GEN 3.3, OPR during HR of CTAF. HR advised by AWIS/ATIS or NOTAM. IFR are to make taxi, DEP and ARR reports to ML CEN for SARWATCH during AFIS.
- (7) CS "Sale Radio" during HR of CTAF. HR as advised by AWIS/ATIS or NOTAM.
- 1. ATS when R360/M301 ACT normally 2200-1200 UTC (2100-1100 UTC HDS) MON-THU, 2200-0400 UTC (2100-0300 UTC HDS) FRI. OT as required, check ESX NOTAM for details. SER provided by East Sale MIL ATC.
- 2. Automatic retransmit FAC exist BTN FLW FREQ: 123.3/340.2; 118.3/257.8.
- 3. FIA - COMS on ground subject to shielding. Flightwatch AVBL Phone 1800 814 931.
- 4. FREQ 243.0 - Guarded EMERG FREQ. Test transmissions 2200-2230 UTC (2100-2130 UTC HDS) JO.
- 5. SDBY PWR to FREQ re-broadcast system not AVBL during PWR outage, CTAF COM with Motorola equipped GND vehicles not AVBL.

## RADIO NAVIGATION AND LANDING AIDS

|     |     |                    |           |            |                   |     |
|-----|-----|--------------------|-----------|------------|-------------------|-----|
| NDB | ESL | 350                | 380640.8S | 1470934.4E | Range 120 (HN 90) | (1) |
| TAC | ESL | 108.1/ 18X         | 380607.8S | 1470916.0E |                   |     |
| DME | IEW | 110.7/ 44X (RWY27) | 380550.3S | 1470901.0E |                   | (3) |
| GP  | IEW | 330.2 (RWY27)      | 380550.2S | 1470901.0E |                   |     |
| ILS | IEW | 110.7 (RWY27)      | 380543.0S | 1470730.6E |                   | (2) |
| LOC | IEW | 110.7 (RWY27)      | 380543.0S | 1470730.6E |                   |     |

- (1) BRG 315/0.9NM to ARP.
- (2) ILS critical area not protected during CTAF HR.
- (3) Antenna ELEV 36FT.
- 1. All NAVAIDS Pilot monitored DRG CTAF HR.
- 2. DME and ILS operated by Defence. For all faults contact Navigation Aids Manager, Phone 03 5146 7294 or Duty Technician, Phone 0419 365 325.

## LOCAL TRAFFIC REGULATIONS

- 1. New TWR construction 75M SW of current TWR.
- 2. New ATC TWR not CMSD observe old TWR for light signals.
- 3. Taxiing ACFT shall give way to ACFT vacating a RWY.
- 4. Unless otherwise directed, DEP ACFT transfer automatically FM TWR to APCH WI 1NM of upwind THR.
- 5. Due to shielding by AD BLDG and FAC, TAX ACFT and GND vehicles may not hear all radio transmissions during CTAF. Pilots should visually check all RWY THR prior to entering RWY or commencing TKOF.
- 6. TWY A, B6, and RWY 04/22 north of RWY 09/27, and south of TWY G infringe ILS critical areas. TAX ACFT can EXP delay for ILS OPS during TWR HR.

### PRIORITIES

- a. DRG ATS HR, priorities are applied IAW *AIP ENR 1.4*, except MIL activities may be given priority over other TFC.
- b. Priorities between conflicting MIL activities will be managed as per FIHA AD2 SUP ESL. Locally-based ACFT will typically receive priority over other MIL ACFT.

### 8. NAT AND CIRCUIT TRAINING VISITING MIL ACFT

- a. PPR - see *Remarks*.
- b. ACFT are REQ to OPR VFR when conducting circuit OPS and weather conditions permit.
- c. ACFT conducting continuous IFR circuit OPS or NAT may be restricted due to the proximity of the CIV AD at West Sale and Longford.

### 9. ILS TRAINING CIVIL ACFT

- a. Not permitted without prior approval FM East Sale ATC (Phone 03 5146 7221).
- b. Full stop and touch and go landing are not permitted without prior approval.

### 10. AIR TRAFFIC SERVICES

- 11. Class D ATS provided to MIL and AUTH CIV ACFT IAW Air Command Standing Instructions OPS 03-16 within ESL RA.
- 12. Other ACFT receive class C ATS with respect to all ACFT in ESL RA. Class C VMC applies for all ACFT in ESL RA, excluding ESL circuit area where class D VMC applies to MIL and AUTH CIV ACFT.

13. **OPERATIONAL READINESS PLATFORMS (ORP)**
  - a. ORP WI RWS E and W of THR RWY 04 may contain vehicles or MIL ACFT at any time.
  - b. ORP WI RWS E THR RWY 22 is weight limited to 5,700KG and may contain vehicles or MIL ACFT at any time.
  - c. Turning node WI RWS W THR RWY 22 AVBL to ACFT upon request, MAX turn radius of 31.5M.

## FLIGHT PROCEDURES

1. Right hand circuits RQ on RWY 04 and 27.
2. **ARR AND DEP.**
  - a. MIL fast jets initial height is 1,500FT with a MAX speed of 350 knots. ACFT are not to overfly the base built up area during the initial run in and pitch.
  - b. Instrument and visual approaches from West track in close proximity to YWSL (BRG260/8.7NM FM YMES ARP).
  - c. R393 in close proximity to YMES circuit area, SID and INSTR APCH paths. Check ESX and YMES NOTAM for activation details.
3. **MILITARY AIRSPACE ACCESS PROCEDURES.**
- 3.1. **CLEARANCES**

Availability of clearances will be determined by MIL flying activity:

  - a. IFR ACFT
    - (i) Civil ACFT required to FPL IAW AIP Route Flight Planning Requirements when R360/M301 ACT.
    - (ii) Pilot preferred FPR AVBL at or ABV FL160.
  - b. VFR ACFT
    - (i) When R360/M301 is active ACFT are to contact ACD on 133.6 MHz 10NM prior to the boundary for AWY clearance. Clearance is not required for transit through R360A via D353.
    - (ii) D353 (VFR Transit Lane). Lateral limits approximately 1NM either side of the RAILWAY line Cowsarr - Heyfield - Maffra - Stratford - Lindenow South. Vertical limit SFC-1,500FT AMSL. Active in accordance with DAH. No air traffic services provided. Keep right of the railway/disused railway line. ACFT must monitor 126.7 MHz and broadcast at COWWARR and LINDENOW SOUTH compulsory en route reporting points.
    - (iii) Princes Route expect a clearance NOT ABV 1,500FT.
    - (iv) Other levels may be AVBL upon request.
  - c. **SURVEY AND AWK FLIGHTS**
    - (i) Survey and AWK flights within R360 and M301 subject to ATC workload and MIL traffic.
    - (ii) Details of proposed flight including maps and at least dates, times, levels, flight category, ACFT type and registration must be provided to ATC 48HR prior to intended operation. Email: esl.atc@defence.gov.au. Submission of details does not assure flight will be approved.
    - (iii) CTC ATC prior to take off. Phone 03 5146 7221.  
*Note: Approval may be withdrawn at any time to afford MIL priority.*
  - d. **NIL TRANSPONDER ACFT**
    - (i) All nil transponder ACFT must CTC ATC for approval – 24 HR PN REQ. CTC 03 5146 7221.
    - (ii) Ongoing nil transponder operations are unlikely to be approved.

**4. REMOTELY PILOTED AIRCRAFT SYSTEM (RPAS) REQUESTS**

- a. All RPAS requests for operations within East Sale military restricted airspace are to be sent to the email address: [esl.rpas@defence.gov.au](mailto:esl.rpas@defence.gov.au).
- b. All requests are to be made at least 3 business days prior to the proposed RPAS activity. Approval is subject to expected MIL OPS and may be restricted or cancelled at any time.
- c. The following information shall be provided in the request email:
  - (i) Operator details and contact information (primary and secondary phone and email).
  - (ii) Date (with alternate if applicable).
  - (iii) Time.
  - (iv) RPAS Details (Type, weight and brief description).
  - (v) Area of operations (AO) using LATLONG, feature, known location. Include a map screenshot if relevant.
  - (vi) Operating height (FT AGL).
- d. Separate approval is required for each RPAS operation. Letter of agreement may be available for enduring or complex operations.

**CTAF - AFRU 118.3**

1. CTAF procedures apply at YMES and YWSL outside R360 HR of ACT.
2. ESL ATIS 125.4 MHz or NDB 350 will notify status of R360 and M301 only.
3. In the event of an EMERG, ACFT are to declare EMERG on the area FREQ. When WI 15NM of East Sale, MIL ACFT may advise details to RFFS callsign "Base Fire" on 118.3 MHz.

**NOISE ABATEMENT PROCEDURES**

1. MIL fast jets OPR into or out of YMES shall avoid overflying Sale City.
2. MIL fast jets DEP RWY 27 shall MNTN RWY heading until passing 1,000FT.

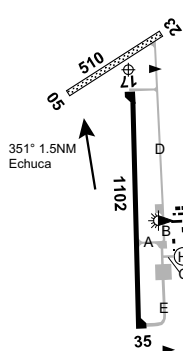
**ADDITIONAL INFORMATION**

1. Significant large bird hazard exists up to 3,000FT around AD and adjacent wetlands. MAX hazards Spring and Summer.
2. Pistol Range BRG 202/7.2NM FM ARP. ACT is indicated by R flags.
3. Rifle Range APRX BRG 120/7.0NM FM ARP. ACT is indicated by R flags.
4. Model ACFT OPR SFC to 400FT AGL WI 500M radius of 380536.00S 1470306.00E APRX BRG 268 MAG 5NM FM AD.
5. CAUTION: MIL ACFT may conduct aerobatic or abrupt vertical manoeuvres within proximity of the AD (HJ).
6. CAUTION: There may be non RDO ACFT operating in the vicinity of YWSL when CTAF.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3470.
  2. MIL Aerodrome Obstruction Chart Type A: AUG 2016.
  3. Also refer to AIP Departure and Approach Procedures.
-



**ECHUCA****ELEV 323****AVFAX CODE 3017**

VIC  
360926S 1444543E UTC +10 YECH  
VAR 11 DEG E CERT  
AD OPR Campaspe Shire Council, PO Box 35, Echuca, VIC, 3564.  
Email: shire@campaspe.vic.gov.au. PH 03 5481 2200. ARO 0417 976 318.  
Website: www.campaspe.vic.gov.au.

**REMARKS**

Landing fees apply. Details available on website (navigate to: Recreation and Events > Visit Campaspe > Echuca Aerodrome).

**HANDLING SERVICES AND FACILITIES**

Echuca Aero Club: AVGAS and JET A1. H24. Requires smartphone with COMPAC PAY with either V or MC installed. No Carnet. CTC: 0408 322 398 or 0434 940 914.

**APRONS AND TAXIWAYS**

RWY 17/35 central TWY 10.5M wide (central 8.4M sealed). ACFT advised to operate on central sealed SFC of TWY only. Code B ACFT restricted to central TWY and must backtrack RWY 17/35.

**AERODROME OBSTACLES**

Tree 49FT AGL BRG 061 MAG 290M FM THR RWY 23 infringes horizontal SFC.

**PHYSICAL CHARACTERISTICS**

|       |     |     |                              |        |        |
|-------|-----|-----|------------------------------|--------|--------|
| 05/23 | 048 | 17c | Unrated. Gravel              | WID 30 | RWS 60 |
| 17/35 | 168 | 36c | PCN 9 /F /A /800 (116PSI) /T | WID 18 | RWS 90 |

**AERODROME AND APPROACH LIGHTING**

RWY 17/35 LIRL PAL+AA 122.8

**OTHER LIGHTING**

TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 126.8 Circuit Area

**CTAF** 119.1

**ADDITIONAL INFORMATION**

- Bird hazard exists.
- Moama (YMMO) 5.5NM N of RWY 17 THR.

**CHARTS RELATED TO THE AERODROME**

- WAC 3469, 3470.
- Also refer to AIP Departure and Approach Procedures.

**ECO BEACH****ELEV 6**

WA  
181924S 1220736E UTC +8 YECH  
VAR 2 DEG E UNCR  
AD OPR Eco Beach Resort, PO Box 2695, Broome, WA, 6725.  
Email: reception@ecobeach.com. PH 08 9193 8015.

**REMARKS**

- Limited to ACFT BLW 4,000KG.
- PPR FM AD OPR.
- NIL landing fee.

**HANDLING SERVICES AND FACILITIES**

Fuel AVBL at Broome International Airport (014/23NM).

**PHYSICAL CHARACTERISTICS**

10/28 1,400M Pindan (red earth), not usable after rain.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

123.95

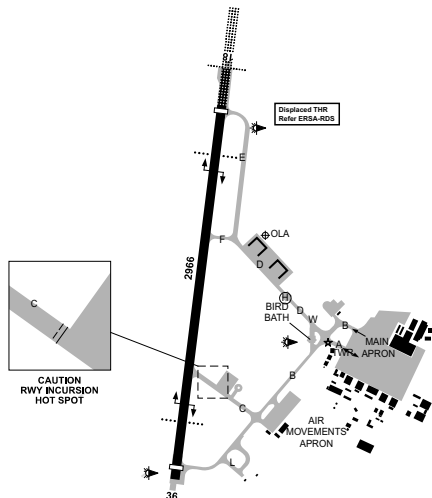
**CTAF** 126.7**CHARTS RELATED TO THE AERODROME**

WAC 3223.

**EDINBURGH****ELEV 67****AVFAX CODE 5011**SA UTC +9:30 YPED  
344209S 1383715E VAR 8 DEG E MIL

AD OPR RAAF, Airbase Operations Centre - RAAF Base Edinburgh, SA, 5111.

Email: edn.aboc@defence.gov.au. PH 08 7383 2888.

**REMARKS**

1. AD OPR HR 2200-0700 UTC MON-THU, 2200-0500 UTC FRI (1HR earlier during HDS).  
FAC may be unmanned outside AD HR.
2. PPR for all CIV ACFT. Approval AVBL FM AD OPR during normal business HR.
3. Non EDN ACFT are allocated parking by ABOC. CTC AD OPR.

**HANDLING SERVICES AND FACILITIES**

ACFT RQ support submit eSTTR/eCSR via Sharepoint.

Inbound ACFT RQ air movements support advise TWR to receive PRKG instructions or specific requirements. AH CTC Duty Air Movements Member 0407 390 844.

Phone tanker section 08 7374 7294 BTN 2100-1130 UTC (1 HR earlier HDS) OT phone Duty Refueller 0429 467 573. F34, E10, E13, O156, H515, H536, SKD5, S737, S738, S745, HPOX, PRESAIR. AVGAS not AVBL.

AVTUR fuel deliveries AVBL FM hydrant and truck refuelling vehicles.

In-ground refuelling to ADF units outside of standard OPR HR may be subject to direct cost recovery of service component (excluding fuel) FM requesting unit.

**General**

Customs/Health/Immigration AVBL H24 on 3HR PN.

## RESCUE AND FIREFIGHTING SERVICES

- CAT 6 AVBL 2130-1330 UTC MON-THU, 2130-0730 UTC FRI (1HR earlier during HDS), AH and PH CAT 4 AVBL.
- When ATC TWR not manned, CTC Base Fire on 118.3/257.8 (ALTN 127.25), for fire services.

## APRONS AND TAXIWAYS

- Non-standard white markings painted on TWY C.
- TWY Widths:
  - TWY A, C and L - 23M;
  - TWY B ADJ to the Air Movements APN - 23M;
  - All other TWY - 15M.
- PCN Limitations:
  - TWY L, Main APN west of ARDU shelter and south of taxi-lane A, and engine run-up bay northwest of Main APN: PCN 42/C.
  - All other movement areas: PCN 56/C.
- Wingspan Limitations:
  - Access to the Main APN via TWY A is restricted to ACFT with wingspan less than 37.7M;
  - ACFT with wingspan greater than 30.4M require wing-walker to taxi on:
    - Explosive ordnance loading areas 10 and 11.
    - TWY L.
  - TWY D W of helipad is restricted to ACFT with wingspan less than 51.9M;
  - Obstacle clearance to CL TWY B is 32M due to ACFT PRKG on Air Movements APN. For details CTC AD OPR.
- Unless otherwise directed by ATC, ACFT must enter the Air Movements APN via northern taxi-lane and exit via southern taxi-lane.

## SURFACE MOVEMENT GUIDANCE

- DIST to run marker boards (lit) RWY 18/36.
- TACAN Check Boards RWY 18/36.
- C17 and similar HVY ACFT requiring backtrack on RWY 18/36 are to utilise the turning nodes at ends of RWY 18/36 for turning, unless directed otherwise by ATC.

## METEOROLOGICAL INFORMATION PROVIDED

- TAF CAT B, METAR/SPECI, AD WRNG.
- AWIS Phone 08 8150 3805 - Report faults to BoM.
- AWIS FREQ 316.3 - Report faults to AD OPR.

## PHYSICAL CHARACTERISTICS

18/36                      180    97a    PCN 56 /F /C /1750 (254PSI) /T Grooved.                      WID 45                      RWS 230

## ARRESTING GEAR

- |        |                                       |       |                                       |        |
|--------|---------------------------------------|-------|---------------------------------------|--------|
| RWY 18 | BAK 12/14<br>(R)(B)(2)<br>750 (2,461) | ----- | BAK 12/14<br>(R)(B)(2)<br>576 (1,891) | RWY 36 |
|--------|---------------------------------------|-------|---------------------------------------|--------|
- Recessed bi-directional BAK 12/14 hookcables INSTL 460M (1,510FT) FM DTHR RWY 18/36. Marked by yellow disks. DIST BTN Cables 1,640M (5,380FT). NML OPR PSN: Arrestable ACFT OPR DEP end up, APCH end down; no arrestable ACFT OPR or DRG CTAF HR both ends down. No crossing RESTR in down PSN. In the event of a PWR failure, hookcables will rise to a HGT of 10CM until PWR restored - recommend ACFT not approved to trample hookcables OPR BTN cables during CTAF HR. CONC absorber housing 1FT high ADJ RWY edge. Arresting system status will not be provided by ATC when hookcables in NML OPR PSN.
  - BAK 12/14 not AVBL outside TWR HR.
  - Arrestor Barrier installation M34B DCMSD. Retractable stanchions and net removed but remainder of the installation, concrete foundations and associated equipment remain in place WI RWS.

## AERODROME AND APPROACH LIGHTING

|           |               |             |               |
|-----------|---------------|-------------|---------------|
| RWY 18/36 | HIRL          |             | SDBY PWR AVBL |
| RWY 18/36 | PTBL(1)       |             |               |
| RWY 18    | HIAL-CAT I(2) |             |               |
| RWY 18    | PAPI          | 3.0 DEG51FT | SDBY PWR AVBL |
| RWY 18    | SFL           |             |               |
| RWY 36    | PAPI          | 3.0 DEG49FT | SDBY PWR AVBL |

(1) Battery, AVBL 60MIN PN.

(2) HIAL deviates 0.25DEG E of RWY CL.

### 1. ALS type and length

a. RWY 18 – SFL and CAT I distance coded CL: 900M truncated to 720M. Inner 300M of SFL omitted.

2. RWY 18/36 LGT restricted outside TWR HR; RWY 18/36 LGT HN setting only AVBL.

## OTHER LIGHTING

- ABN                      ALTN 8 WG                      O/R
1. SDBY PWR switchover time AVBL all lighting: 5 SEC.
  2. TWY LGT: Green CL.
  3. CL LGT (green) BTN northern intersection TWY B and Run up Bay not AVBL.
  4. Run up Bay high mast lighting and obstacle lighting U/S.

## ATS AND AERODROME COMMUNICATION FACILITIES

|         |                            |                       |
|---------|----------------------------|-----------------------|
| FIA     | ADELAIDE CENTRE            | 130.45                |
| ACD     | EDINBURGH GROUND           | 134.1                 |
| APP/DEP | ADELAIDE APPROACH      (1) | 128.6 243.0 (2) 306.3 |
| ATIS    | EDINBURGH                  | 126.25 (3) 316.3 (3)  |
| SMC     | EDINBURGH GROUND           | 134.1                 |
| SMCV    | EDINBURGH GROUND           | 127.25                |
| TWR     | EDINBURGH TOWER            | 118.3 243.0 257.8     |

(1) Service provided by Airservices Australia. Due to radar limitations some high speed manoeuvres by ACFT will preclude the provision of a radar service.

(2) EMERG FREQ, guarded, MNT by EDN TWR when active.

(3) ATIS phone 08 7383 2417. Outside TWR HR ATIS incorporates AWIS.

1. Automatic retransmit FAC exists BTN FLW FREQ: 128.6/306.3; 118.3/257.8.

2. ATS AVBL when Edinburgh CTR ACT. CTR ACT by NOTAM for SKED MIL OPS  
BTN 2230-1130 UTC MON-THU, 2230-0730 UTC FRI (1 HR earlier during HDS), EXC PH.  
Airspace may be deactivated on cessation of MIL OPS. Airspace NOTAMs AVBL via NAIPS in EDX group.

3. CTR or CTAF status AVBL from Adelaide Centre, via ATIS or via AWIS.

## RADIO NAVIGATION AND LANDING AIDS

|     |     |                    |           |            |     |
|-----|-----|--------------------|-----------|------------|-----|
| TAC | EDN | 112.7/ 74X         | 344217.1S | 1383644.6E | (1) |
| DME | IED | 110.7/ 44X (RWY18) | 344150.2S | 1383655.6E | (4) |
| GP  | IED | 330.2 (RWY18)      | 344150.2S | 1383655.5E |     |
| ILS | IED | 110.7 (RWY18)      | 344311.5S | 1383646.8E | (3) |
| LOC | IED | 110.7 (RWY18)      | 344311.5S | 1383646.8E | (2) |

(1) 065/0.44 to ARP - Antenna ELEV 94FT - Marker boards RWY 18/36.

(2) LOC guidance not to be used outside 20DEG either side of centreline.

(3) ILS Critical Area not protected outside TWR HR.

(4) Antenna ELEV 82FT.

All NAVAIDS pilot MNT outside TWR HR.

## LOCAL TRAFFIC REGULATIONS

1. Civil ACFT operators must CTC the 453SQN Edinburgh FLT on 08 7383 2114 prior to AWK in the CTR to receive a Local Procedures Brief.
2. New TWR construction 50M S of current TWR. Portion of short final RWY 36, TWY L and Air Movement Section apron not visible to ATC.
3. New ATC TWR not commissioned observe old TWR for light signals.
4. ACFT arriving EDN must cancel SARWATCH with Adelaide Centre (130.45) when on ground.

## FLIGHT PROCEDURES

### 1. **NAVAID TRAINING - CIVIL ACFT**

ILS AVBL for TRNG SUBJ MIL TFC.

The following limitations apply;

- a. An IFR FPL must be submitted for NAVAID TRNG AT YPED.
  - b. Pilots to display any external LGT on FNA.
  - c. ACFT to MNTN best speed on FNA unless REQ otherwise.
  - d. ACFT must not use the SFC of YPED without prior approval.
2. Refer to LYNDOSCH (YLYK) ERSa FAC entry for Barossa Valley operations.
  3. Unless otherwise instructed by ATC, at pilot request, circuit direction is west.
  4. Edinburgh Circuit Area is defined as that portion of the ED CTR S of the Gawler River and SW of the powerline running BTN Lewiston and Elizabeth, SFC to A020.
  5. Civil ACFT are not permitted to conduct aerobatic activity within 3NM of RAAF Edinburgh.
  6. Edinburgh and Parafield CTR abut to the South. Class D ATS services are applied to ACFT OPR in ED airspace with respect to ACFT OPR in PF CTR. Unverified VFR TFC may be OPR ADJ to ED CTR.
  7. ACFT entering Parafield CTR from Edinburgh outside TWR HR, must track via overhead EDN AD.
  8. ACFT tracking to EDN outside TWR HR from Parafield CTR must track via Bolivar Strobe light. Edinburgh circuit area to W of EDN AD is in close proximity to entry point.
  9. **REMOTELY PILOTED AIRCRAFT SYSTEMS (RPAS)**
    - a. Unauthorised RPAS OPS are a known risk in VCY of AD. ATC will issue a hazard alert on any known unauthorised RPAS OPS which pose a flight safety risk. Pilots may REQ alternate tracking or holding to avoid the hazard.
    - b. PPR for all RPAS OPS. CTC AD OPR.
    - c. RPAS OPS WI 3NM when ATC TWR not manned require NOTAM.
  10. **OUTSIDE TWR HR**
    - 10.1. ACFT OP WI lateral and vertical CTR limits REQ to monitor/broadcast on 118.3.
    - 10.2. ACFT departing EDN into adjoining Class C airspace must contact Adelaide Centre (130.45) on taxi for transponder code; and request airways clearance when "Ready" at the holding point and prior to RWY entry.

### **CTAF - AFRU 118.3**

1. 118.3/257.8 - retransmits in both directions.
2. If AD lighting and/or RWY inspection RQ, ACFT CAPT must CTC "Base Fire" on CTAF 118.3/257.8 (ALTN 127.25), 20 MIN prior to ETA/taxi.
3. ACFT RQ EMERG services make standard EMERG call on CTAF. EDN RFFS monitor H24 & will initiate EMERG response when required.

## **NOISE ABATEMENT PROCEDURES**

1. For noise abatement unless directed otherwise by ATC the FLW DEP PROC will be adopted
  - a. OPS BTN 1330-2030 UTC (1HR earlier during HDS) limited to MIL operationally essential flights only, due to noise abatement.
2. A Fly Neighbourly protection area has been established around the Waitpinga Cliffs on Fleurieu Peninsula (APRX 55DME south of RAAF Edinburgh). Refer to ERSa GEN Special Procedures FN 13 for detailed information.

## **ADDITIONAL INFORMATION**

1. Gliding activity in Gawler area, 8NM NNE of Edinburgh. IFR ACFT will be separated from or monitored clear of active area.
2. CAUTION: Model ACFT OPR may take place HJ, SFC to 400FT AGL:
  - a. BRG 100DEG MAG/0.8NM FM ARP
  - b. BRG 270DEG MAG/4.5NM FM ARP (may be SFC to 1,000FT AGL during CTAF)
  - c. BRG 300DEG MAG/11.1NM FM ARP
  - d. BRG 356DEG MAG/9.1NM FM YPED AD (SFC to 1,000FT AGL SAT-SUN). OPR CTC Phone 0413 512 350.

- ## CHARTS RELATED TO THE AERODROME

- EIDSVOLD

ELEV 869

**FULL NOTAM SERVICE NOT AVBL**

QLD UTC +10 YESD  
252154S 1510630E VAR 10 DEG E UNCR  
AD OPR North Burnett Regional Council, PO Box 390, Gayndah, QLD, 4625.  
Email: [admin@northburnett.qld.gov.au](mailto:admin@northburnett.qld.gov.au). Council PH 1300 696 272.  
Fax 07 4161 1425.

## REMARKS

1. No parking on or near areas allocated for EMERG parking.
2. Suitable for ACFT up to 5,700KG MTOW.
3. PPR.

## PASSENGER FACILITIES

LG/WC.

## AERODROME OBSTACLES

1. Transition and fly-over OLS infringement exists on both sides of RWS due to trees.
2. Primary wind indicator infringes the transitional OLS.
3. COM TWY LOC E of RWY infringes the transitional OLS by 21M.

## PHYSICAL CHARACTERISTICS

|       |     |                                                                             |        |
|-------|-----|-----------------------------------------------------------------------------|--------|
| 14/32 | 39c | Unrated. Gravel and grass. RWY LEN 1,189M. WID 30<br>Slope 0.3% down to NW. | RWS 45 |
|-------|-----|-----------------------------------------------------------------------------|--------|

## AERODROME AND APPROACH LIGHTING

|           |                |                |               |
|-----------|----------------|----------------|---------------|
| RWY 14/32 | LIRL(1)        | AFRU+PAL 126.7 | SDBY PWR AVBL |
| (1)       | EMERG OPS only |                |               |

## ATS AND AERODROME COMMUNICATION FACILITIES

|     |                 |       |
|-----|-----------------|-------|
| FIA | BRISBANE CENTRE | 124.1 |
|-----|-----------------|-------|

**CTAF - AFRU 126.7**

## ADDITIONAL INFORMATION

Fly airstrip for wildlife prior to landing.

**CHARTS RELATED TO THE AERODROME**

WAC 3340.

**ELCHO ISLAND****ELEV 101****AVFAX CODE 8019**

NT

120110S

1353414E

UTC +9:30

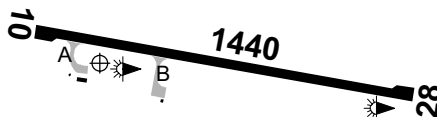
VAR 3 DEG E

YELD

CERT

AD OPR Marthakal Yolngu Airline, PMB 62, Winnellie, NT, 0822.

Email: mya.manager@marthakal.org. PH 08 8987 9040. ARO 0458 898 944. Fax 08 8987 9212.

**REMARKS**

1. AD Charges: All ACFT.
2. CTC ARO for secure code to pedestrian gate at eastern APN. Code is not to be shared with passengers to prevent unauthorised airspace access.

**HANDLING SERVICES AND FACILITIES**

JET A1 and AVGAS 24HR credit cards bowser AVBL, located on eastern APN. CTC ARO if RQ.

**PASSENGER FACILITIES**

PT/WC.

**AERODROME OBSTACLES**

1. Trees 90FT AGL PSN 110M N and 120M S of CL full length infringes RWY 10/28 transitional SFC by up to 25FT.
2. Vent pipe 130FT AMSL BRG 280 MAG 337M FM ARP.

**METEOROLOGICAL INFORMATION PROVIDED**

TAF CAT D, METAR/SPECI.

**PHYSICAL CHARACTERISTICS**

10/28 096 47a PCN 8 /F /A /580 (84PSI) /U Sealed.

WID 30 RWS 90

**AERODROME AND APPROACH LIGHTING**

RWY 10/28 LIRL AFRU+PAL 127.15

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

123.4 Circuit Area

**LOCAL TRAFFIC REGULATIONS**

1. Overnight PRKG on western APN not AVBL.
2. All ACFT to park on eastern APN HN.
3. ACFT using the western APN must give way and not start engines in proximity of PAX moving BTN terminal and RPT ACFT.
4. Do not taxi WI 10M of terminal unless approved by AD OPR.
5. ACFT parked on eastern APN HJ must be attended at all times. For INFO CTC ARO.

**CTAF - AFRU 127.15****ADDITIONAL INFORMATION**

Possibility of animals on movement area.

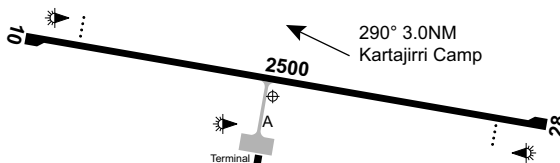
**CHARTS RELATED TO THE AERODROME**

1. WAC 3110.
2. Also refer to AIP Departure and Approach Procedures.

**ELIWANA****ELEV 1576****AVFAX CODE 6837**

WA  
222544S  
AD OPR Fortescue Metals Group Ltd, PO Box 6915, East Perth, WA, 6892.  
Email: eliwanaairport@fortescue.com. ARO MOB H24 0407 917 505.

1165314E  
UTC +8  
VAR 1 DEG E  
Yewa  
CERT

**REMARKS**

1. PPR.
2. 24HR notice RQ FM AD OPR for all unscheduled ACFT OPS.
3. 20 MIN PN for all scheduled ACFT OPS. Notify AD OPR on 132.125, CS 'Eλιwana Base'.

**HANDLING SERVICES AND FACILITIES**

ACFT marshalling is provided for all ACFT ABV 5,700KG MTOW.  
Air BP - JET A1 CTC AD OPR.

**APRONS AND TAXIWAYS**

APN and TWY suitable for Code 4C ACFT.

**AERODROME OBSTACLES**

1. Extensive lit terrain penetration of the inner HZS and COS OLS in areas to the N and NE and S and SW of the AD. Penetration varies between 33 and 263FT. CTC AD OPR for details.
2. COM TWR lit with MIOL, 2,058FT AMSL BRG 249 MAG 3.3NM FM ARP. Infringes COS by 156FT.
3. Unlit structure 1,755FT AMSL BRG 245 MAG 2.2NM FM ARP. Infringes inner HZS by 36FT.
4. Terrain lit by flashing MIOL:
  - a. 1,752FT AMSL BRG 267 MAG 2.7NM FM ARP.
  - b. 1,864FT AMSL BRG 246 MAG 2.9NM FM ARP.
  - c. 1,824FT AMSL BRG 186 MAG 1.8NM FM ARP.
  - d. 1,936FT AMSL BRG 172 MAG 2.4NM FM ARP.
  - e. 2,031FT AMSL BRG 158 MAG 3.0NM FM ARP.
  - f. 1,880FT AMSL BRG 200 MAG 2.0NM FM ARP.
  - g. 1,745FT AMSL BRG 350 MAG 0.7NM FM ARP.
  - h. 1,768FT AMSL BRG 339 MAG 1.5NM FM ARP.
  - i. 1,929FT AMSL BRG 071 MAG 2.2NM FM ARP.
  - j. 1,926FT AMSL BRG 085 MAG 1.2NM FM ARP.
5. Unlit terrain 1,740FT AMSL BRG 237 MAG 2.4NM FM ARP. Infringes inner HZS by 21FT.
6. Unlit terrain and transient equipment 1,807FT AMSL BRG 247 MAG 2.37NM FM ARP. Infringes inner HZS by 88FT.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT C, METAR/SPECI.
2. AWIS FREQ 122.275 (requires three one-second pulse to activate) - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

10/28      099   82a   PCN 56 /F /A /1412 (205PSI) /T Sealed.      WID 30      RWS 150



**AERODROME AND APPROACH LIGHTING**

- |           |         |              |             |                      |
|-----------|---------|--------------|-------------|----------------------|
| RWY 10/28 | LIRL    | PAL+AA 119.6 |             | SDBY PWR AVBL        |
| RWY 10/28 | PAPI(1) | PAL+AA 119.6 | 3.0 DEG53FT | SDBY PWR AVBL        |
| RWY 10/28 | PTBL(2) |              |             | BY PRIOR ARRANGEMENT |
- (1) Left side only.
  - (2) AVBL with 90MIN PN.
  1. Lighting manually activated by ARO 30 MIN prior to scheduled arrival and deactivated 15 MIN after departure.
  2. RWY edge light spacing: 57M.
  3. Lateral spacing of RWY and PAPI LGT suits 30M RWY WID.
  4. Main and SDBY PWR supplied by generators.

**OTHER LIGHTING**

1. TWY LGT: Blue edge.
2. SDBY PWR switchover time: 10 SEC.

**ATS AND AERODROME COMMUNICATION FACILITIES**

- |        |                  |           |
|--------|------------------|-----------|
| FIA    | MELBOURNE CENTRE | 125.7     |
| UNICOM | ELIWANA UNICOM   | 126.7 (1) |
- (1) CS "Eliwana UNICOM". AVBL for scheduled movements.

**LOCAL TRAFFIC REGULATIONS**

1. ACFT ABV 5,700KG MTOW use RWY ends only for 180 DEG turns.
2. Itinerant PRKG to the W side of the APN. CTC AD Supervisor or ARO with 24HR PN.
3. 2 PRKG positions for ACFT up to Code 4C. Eliwana UNICOM will advise PRKG PSN to ACFT on receipt of inbound call on Base Frequency or CTAF.
4. Due jet blast clearances, jet ACFT using PRKG position 2 must use breakaway thrust to move forward on the alignment line for 3M before turning onto the leadout line and reducing power to idle.
5. Dual lead in line on parking bay 2. Lead-in lines marked as 2 or 2A.
  - a. ACFT to use lead-in 2: A320, B738, B712, F100.
  - b. ACFT to use lead-in 2A: A319.

**CTAF - AFRU 126.7**

1. AFRU located at YBGD. Not AVBL on ground.
2. FREQ confirmation by YEWA UNICOM on receipt of TAX DEP call ("YEWA UNICOM confirm 126.7").

**ADDITIONAL INFORMATION**

1. Blasting occurs BTN 1.5NM and 4.3NM to the S of the ARP BTN 91 and 260 DEG MAG.
2. Dust plumes may occur following a blast with fly rock no greater than 400FT AGL. UNICOM will notify ACFT of any conflict.
3. CAUTION:
  - a. Steep sided open drains ADJ to TWY and APN edges.
  - b. Boolgeeda (YBGD) AD 22NM to ESE. YBGD PROC ADJ to S.
  - c. Due to terrain shielding, VHF contact with ACFT on or close to the ground at YBGD is not possible.
4. Australian bustards regularly sighted in VCY of AD.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3229.
2. Also refer AIP Departure and Approach Procedures.

ELIZABETH QUAY

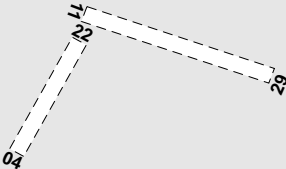
WA  
315800S  
AD OPR Seaplane Pilots Association Australia, PO Box 4504, Rathmines, NSW, 2283.  
ARO 0416 153 796: Swan River Trust 08 9278 0900.

1155142E

FULL NOTAM SERVICE NOT AVBL

UTC +8  
VAR 2 DEG W

YEQY  
UNCR



ATS AND AERODROME COMMUNICATION FACILITIES

|     |                  |        |
|-----|------------------|--------|
| FIA | PERTH CENTRE     | 135.25 |
| APP | PERTH APPROACH   | 123.6  |
| DEP | PERTH DEPARTURES | 118.7  |

FLIGHT PROCEDURES

- Preferred TKOF/landing areas when conditions allow. Omnidirectional within Perth Water if conditions not suitable in preferred areas.
- Unmarked water alighting area with two preferred locations:
  - RWY 11/29 South side of boating channel parallel to Riverside Drive.
  - RWY 04/22 East side of South Perth ferry channel.

ADDITIONAL INFORMATION

Melville Water AD (YMET) located 1NM SW.

CHARTS RELATED TO THE AERODROME

WAC 3351, 3462.

ELLISTON

81

36

SA  
333818S  
AD OPR District Council of Elliston, PO Box 46, Elliston, SA, 5670. ARO 0428 553 728.  
Council PH 08 8687 9177.

ELEV 20

FULL NOTAM SERVICE NOT AVBL

UTC +9:30  
VAR 6 DEG E

YELN  
UNCR

PHYSICAL CHARACTERISTICS

|       |     |                             |        |        |
|-------|-----|-----------------------------|--------|--------|
| 18/36 | 40a | Spray seal. RWY LEN 1,218M. | WID 18 | RWS 60 |
|-------|-----|-----------------------------|--------|--------|

AERODROME AND APPROACH LIGHTING

|           |      |                |
|-----------|------|----------------|
| RWY 18/36 | LIRL | AFRU+PAL 126.7 |
|-----------|------|----------------|

ATS AND AERODROME COMMUNICATION FACILITIES

|     |                  |                    |
|-----|------------------|--------------------|
| FIA | MELBOURNE CENTRE | 125.9 Circuit area |
|-----|------------------|--------------------|

CTAF - AFRU 126.7

CHARTS RELATED TO THE AERODROME

WAC 3459.



APRONS AND TAXIWAYS

- 1. RPT Apron: Bays 1-5.
- 2. Bays 6 and 7 - parking up to SF34. Prior parking approval required by AD OPR.
- 3. TWY A Code C - 18M.
- 4. TWY B Code C - 23M.
- 5. TWY C Code A - 15M.

AERODROME OBSTACLES

- 1. LIOL 2 broadcasting masts, marked by day and lit by night:
  - a. 785FT AMSL APRX BRG 25.42 DEG MAG 1.92NM FM ARP.
  - b. 785FT AMSL APRX BRG 27.85 DEG MAG 1.95NM FM ARP.
- 2. Lit BoM radar 705FT AMSL APRX BRG 63.19 DEG MAG 3.48NM FM ARP.
- 3. Lit SRY IWI 649FT AMSL APRX BRG 65.83 DEG MAG 0.49NM FM ARP. Infringes TNS by 9FT.
- 4. Lit Optus TWR 771FT AMSL APRX BRG 344.27 DEG MAG 1.63NM FM ARP. Infringes inner HZS by 3FT.
- 5. Unlit AWIS TWR 656FT AMSL APRX BRG 234.61 DEG MAG 0.20NM FM ARP. Infringes TNS by 4FT.
- 6. E190 ACFT parked on Bay 3 and Bay 4 may infringe the OLS TNS by 1.8M.

METEOROLOGICAL INFORMATION PROVIDED

- 1. TAF CAT B, METAR/SPECI.
- 2. AWIS PH 07 3564 3714- Report faults to BoM.
- 3. AWIS FREQ 132.95 - (requires one-second pulse to activate) - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

|       |     |     |                                |        |         |
|-------|-----|-----|--------------------------------|--------|---------|
| 06/24 | 062 | 62a | PCN 30 /F /D /1350 (196PSI) /T | WID 30 | RWS 150 |
| 15/33 | 143 | 20a | 5700/690 (100PSI) Sealed       | WID 18 | RWS 60  |

AERODROME AND APPROACH LIGHTING

|           |                                    |              |                           |
|-----------|------------------------------------|--------------|---------------------------|
| RWY 06/24 | LIRL                               | PAL+AA 120.6 | SDBY PWR AVBL             |
| RWY 06/24 | PAPI(1)                            | PAL+AA 120.6 | 3.0 DEG45FT SDBY PWR AVBL |
| (1)       | Left side.                         |              |                           |
| 1.        | RWY 06/24: PAL activates PAPI H24. |              |                           |
| 2.        | RWY 06/24 AGL light spacing 60M.   |              |                           |
| 3.        | SDBY PWR activation time 30 SEC.   |              |                           |

ATS AND AERODROME COMMUNICATION FACILITIES

|     |                 |                 |
|-----|-----------------|-----------------|
| FIA | BRISBANE CENTRE | 122.3 On Ground |
|-----|-----------------|-----------------|

RADIO NAVIGATION AND LANDING AIDS

|     |     |     |           |            |                  |
|-----|-----|-----|-----------|------------|------------------|
| NDB | EML | 324 | 233402.8S | 1481015.8E | Range 60 (HN 60) |
|-----|-----|-----|-----------|------------|------------------|

LOCAL TRAFFIC REGULATIONS

- 1. All C130 operations require prior approval and Pavement Concession.
- 2. ACFT ABV 5,700KG contact AD OPR for parking instructions.
- 3. ACFT BLW 5,700KG not permitted to park on main apron (Bay 1 to 6).
- 4. All charter ACFT requiring parking on Bays 1-5, 48HR PN required.
- 5. MAX overall HEL LEN 13M on GA APN HEL.
- 6. ACFT holding or taxiing on RWY 15/33 must remain on, or north of TWY C whenever RWY 06/24 is in use or active - for obstacle restriction purposes.
- 7. All ACFT ABV 5,700KG MTOW must roll through and make MAX RAD MNM speed turns at turn pads only.

CTAF - AFRU 126.7

ADDITIONAL INFORMATION

- 1. Bird hazard black kites, flying fox and fruit bat exist in VCY of AD. Increased ACT of black kites observed BRG 078 MAG 5NM FM ARP. Additional NOTAM will be raised during periods of significantly increased ACT.
- 2. Agricultural OPS take place WI 5NM of ARP.

CHARTS RELATED TO THE AERODROME

- 1. WAC 3234, 3235.
- 2. Also refer to AIP Departure and Approach Procedures.

**EMKAYTEE****ELEV 80****FULL NOTAM SERVICE NOT AVBL**

NT

UTC +9:30

YMKT

123636S

1310310E

VAR 3 DEG E

UNCR

AD OPR Kath J Meyering, PO Box 29, Darwin, NT, 0811. Email: mktairfield@gmail.com.

PH 08 8988 2194.

**REMARKS**

Cross strip permanently not AVBL for fixed wing operations.

**HANDLING SERVICES AND FACILITIES**

AVGAS AVBL by credit card 24/7. Contact AD OPR for: tie-downs AVBL \$7 per day or \$42 per week.

**AERODROME OBSTACLES**

Power lines at eastern end of RWY.

**PHYSICAL CHARACTERISTICS**

RWY 07/25: WID 13M sealed, 32M unsealed shoulders.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

118.15 Circuit Area

**CTAF** 127.1**ADDITIONAL INFORMATION**

1. Bird activity associated with the crocodile farm 1NM from field.
2. Private airstrip N side of AD not associated with YMKT.
3. MIL heavy rotary wing activity on disused cross strip, mainly in evenings.
4. Flying training, ultralight, commercial fixed and rotary wing, high performance aerobatic and MIL ACFT activity DLY.

**CHARTS RELATED TO THE AERODROME**

WAC 3109.

**EMU PARK****ELEV 44****FULL NOTAM SERVICE NOT AVBL**

QLD

UTC +10

YEMP

231524S

1504848E

VAR 9 DEG E

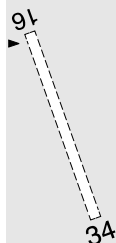
UNCR

AD OPR Livingstone Shire Council, PO Box 2292, Yepoon, QLD, 4703.

Email: enquiries@livingstone.qld.gov.au. Council PH 07 4913 5000.

**REMARKS**

Day use VFR only. No equipment for IFR OPS or night OPS at AD.

**PHYSICAL CHARACTERISTICS**

RWY 16/34. Length 673M. Unsealed natural grass.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

119.55

**FLIGHT PROCEDURES**

Pilots are requested to avoid overflying residential buildings.

**CTAF 132.2****CHARTS RELATED TO THE AERODROME**

WAC 3236.

**ENOGERA HELIPORT****ELEV 223****AVFAX CODE 4064****FULL NOTAM SERVICE NOT AVBL**

QLD

UTC +10

YENO

272536S

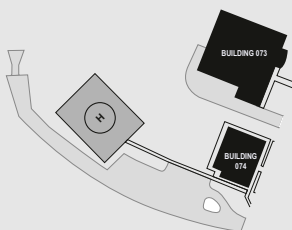
1525812E

VAR 11 DEG E

UNCR

AD OPR Headquarters 16th Aviation Brigade, Gallipoli Barracks, Enoggera, QLD, 4051.

PH 07 3332 7709: 07 3332 6033. PH AH 07 3332 7607: 0438 710 603.

**REMARKS**

1. 24HR PPR.
2. MIL Aircrew are REQ to comply with Enoggera BSI 17 AVBL at:  
[http://drnet.defence.gov.au/DSRG/Brisbane/Pages/Base%20Instructions%20\\_%20Orders.aspx](http://drnet.defence.gov.au/DSRG/Brisbane/Pages/Base%20Instructions%20_%20Orders.aspx).
3. MIL HLS ONLY except for EMERG.
4. Caution: This aerodrome is not subject to routine serviceability inspection or NOTAM advice of unserviceabilities. Additional aerodrome data is available from the contact telephone numbers above or for Mil Aircrew: <http://drnet.defence.gov.au/ARMY/FORCOMD/Headquarters/AviationBranch/AvnAwDir/Pages/OPAW.aspx>
5. CTC Service Delivery on 07 3332 7709 to obtain Garrison COMD approval. Following this CTC reservations on 07 3332 6033 to deconflict HLS or oval usage. AH CTC Garrison Duty Officer on 07 3332 7607 or 0438 710 603.
6. YENO02 booking will not be approved BTN 0600-0900 Local MON-FRI or 1200-1600 Local THU (this may be overridden in cases of capability requirement or an EMERG) OT IAW BSI 17.

**AERODROME OBSTACLES**

Vegetation and terrain penetrate the 4.5% OLS from S to W and N to NE of the HLS.

**PHYSICAL CHARACTERISTICS**

YENO01 PCN 10/R/C 1,000kPa/T

FATO 45.2M Dia. Safety Area 60.2M Dia. LP Rectangular Rigid Pavement 35.4M x 25M.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

125.7 On Ground

**LOCAL TRAFFIC REGULATIONS**

Preferred APCH/DEP paths for YENO01NW and SSE weather permitting.

**CTAF 126.7****NOISE ABATEMENT PROCEDURES**

OPR in Enoggera area BLW 1,000FT BN QNH not recommended unless on APCH or DEP.

**ADDITIONAL INFORMATION**

1. CAUTION: BN CTR 300M to the E.
2. HLS is a concrete purpose designed facility suitable for ACFT up to CH47, E&IG will ensure deconfliction with 24 PN.
3. ALTN HLS YENO02 for formation or multiple OPR is Duncan Ovals Sport Complex. This FATO is located central to the Duncan Oval Sports Complex at Gallipoli Barracks.



**EROMANGA****ELEV 545****FULL NOTAM SERVICE NOT AVBL**

QLD

UTC +10

YEMG

264217S

1431543E

VAR 8 DEG E

UNCR

AD OPR Quilpie Shire Council, 50 Brolga Street, Quilpie, QLD, 4480. Email: admin@quilpie.qld.gov.au. ARO 0419 230 115 (H24). Website: www.quilpie.qld.gov.au.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

118.8 2500FT

**CTAF** 126.7**CHARTS RELATED TO THE AERODROME**

WAC 3342.

**ESPERANCE****ELEV 471****AVFAX CODE 6302**

WA

UTC +8

YESP

334104S

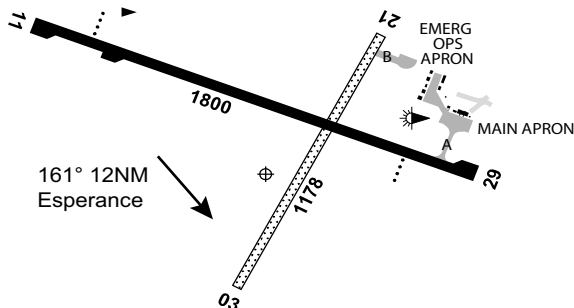
1214922E

VAR 0 DEG E

CERT

AD OPR Shire of Esperance, PO Box 507, Esperance, WA, 6450.

Email: airport@esperance.wa.gov.au. ARO 0428 935 618. Website: www.esperance.wa.gov.au.

**REMARKS**

1. AD Charges - refer website.
2. This AD is a Security Controlled Airport. A valid ASIC is to be worn and properly displayed at all times while airside.

**HANDLING SERVICES AND FACILITIES**

AIR BP: 0000-0900 UTC MON-FRI, 0000-0200 UTC SAT, SUN and PH. JET A1 60MIN PN REQ.

H24 AVGAS. AIR BP Carnet swipe bowser, 60MIN PN REQ for credit card and cash sales. Call-out fee applies outside normal HR. Mobile 0428 935 618.

*Note: Phone calls only, SMS are not monitored.*

AUSFLIGHT Ground Handling Services: Availability O/R. Mobile 0467 555 105.

Email: charterrepr@ausflighthandling.com.au.

**PASSENGER FACILITIES**

TX(08 9071 1782)/HC/LG/RF/WC.



**AERODROME OBSTACLES**

1. Trees 33FT AGL BRG 103 MAG 0.44NM FM ARP to BRG 105 MAG 0.53NM FM ARP. Infringes TNS RWY 11/29.
2. Primary WDI 29.8FT AGL BRG 071 MAG 0.28NM FM ARP. Infringes TNS by 1FT.
3. Unlit masts:
  - a. BRG 004 DEG 2.97NM FM AD 215FT AGL.
  - b. BRG 339 DEG 2.35NM FM AD 97FT AGL.
  - c. BRG 340 DEG 2.32NM FM AD 97FT AGL.
  - d. BRG 341 DEG 2.37NM FM AD 97FT AGL.
  - e. BRG 339 DEG 2.4NM FM AD 97FT AGL.
4. Wind turbines (lit with red light at night):
  - a. BRG 166 MAG 4.4NM FM ARP 617FT AGL.
  - b. BRG 170 MAG 4.1NM FM ARP 617FT AGL.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT C, METAR/SPECI.
2. AWIS Phone 08 6216 2611 - Report faults to BoM.
3. AWIS FREQ 123.05 - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

|       |     |     |                                     |        |         |
|-------|-----|-----|-------------------------------------|--------|---------|
| 03/21 | 028 | 39c | PCN 10 /F /B /550 (80PSI) /T Gravel | WID 18 | RWS 60  |
| 11/29 | 111 | 59a | PCN 22 /F /A /1034 (150PSI) /T      | WID 30 | RWS 150 |

**AERODROME AND APPROACH LIGHTING**

|           |         |           |             |               |
|-----------|---------|-----------|-------------|---------------|
| RWY 11/29 | LIRL    | PAL 121.3 |             | SDBY PWR AVBL |
| RWY 11    | PAPI(1) | PAL 121.3 | 3.0 DEG51FT | SDBY PWR AVBL |
| RWY 29    | PAPI(1) | PAL 121.3 | 3.0 DEG45FT | SDBY PWR AVBL |

(1) Left side only.

**OTHER LIGHTING**

1. Secondary PWR switchover time: 10 SEC.
2. TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 133.2 On Ground

**RADIO NAVIGATION AND LANDING AIDS**

|     |     |            |           |            |                    |
|-----|-----|------------|-----------|------------|--------------------|
| DME | ESP | 114.2/ 89X | 334042.8S | 1214918.1E | (1)                |
| NDB | ESP | 326        | 334113.1S | 1214937.6E | Range 120 (HN 110) |
| VOR | ESP | 114.2      | 334050.1S | 1214925.6E |                    |

(1) Antenna ELEV 476FT.

**LOCAL TRAFFIC REGULATIONS**

1. PRKG Bays 1, 1A, 2 and 3 are restricted to RPT ACFT or ACFT approved by ARO only.
2. PRKG Bays 1, 1A, 2 and 3 are for ACFT less than 5,700KG.
3. PRKG Bays 1 and 1A cannot be used SIMUL.
4. PRKG Bays for GA ACFT sealed pads E of main APN, tie-downs (not rated) provided.
5. PRKG overflow for GA and helicopters grassed area E of main APN, tie-downs not provided.
6. EMERG OPS APN restricted to EMERG OPS ACFT or ACFT approved by ARO only.
7. CTC ARO with 24HR PN for alternative and temporary parking arrangements.

**CTAF - AFRU** 126.7

**ADDITIONAL INFORMATION**

Weather balloon launch APRX 2315 UTC. Launches may occur at other times.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3461.
2. Also refer to AIP Departure and Approach Procedures.

04

12

QLD

281009S

1450230E

AD OPR Paroo Shire Council, PO Box 75, Cunnamulla, QLD, 4490.

PH 07 4655 1777. Fax 07 4655 1647.

PASSENGER FACILITIES

Telephone facilities not AVBL.

ELEV 500

FULL NOTAM SERVICE NOT AVBL

UTC +10

VAR 9 DEG E

YEUA

UNCR

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

BRISBANE CENTRE

126.7

124.8 9000FT

CHARTS RELATED TO THE AERODROME

WAC 3356.

01

19

DCMSD RWY

AD OPR Skydive Euroa, 87 Mountain View Road, Montmorency, VIC, 3094.

PH 03 9432 2419. Mobile 0413 863 929. Fax 03 9434 6864.

REMARKS

Restricted OPS. PPR FM AD OPR.

ELEV 555

FULL NOTAM SERVICE NOT AVBL

UTC +10

VAR 11 DEG E

YEUA

UNCR

HANDLING SERVICES AND FACILITIES

AVGAS/Oil AVBL. Contact AD OPR. Cash, V or MC. Bunkhouse accommodation also AVBL by arrangement.

AERODROME OBSTACLES

High terrain S of ALA, three unmarked, unlit masts 950FT AMSL 184M/1.2NM FM ARP.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

MELBOURNE CENTRE

122.4 Circuit Area

LOCAL TRAFFIC REGULATIONS

1.

RWY 01/19 sand section not maintained. Use grass section only.

2.

RWY 14/32 DCMSD. W section overgrown. Do NOT use.

FLIGHT PROCEDURES

1.

Avoid overflying WI 2NM due PJE OPS. Track south of the Hume Highway if possible. PJE ACFT broadcast on CTAF, ML CEN 122.4 and ML CEN 123.75 three MIN before drop.

2.

Avoid overflying local houses BLW 1,500FT AMSL.

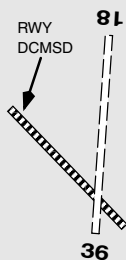
CTAF 126.7

ADDITIONAL INFORMATION

PJE OPS HJ SFC - 15,000FT AMSL.

CHARTS RELATED TO THE AERODROME

WAC 3470.

**EVANS HEAD****ELEV 20****FULL NOTAM SERVICE NOT AVBL**

NSW

290536S

1532513E

UTC +10

VAR 12 DEG E

YEVD

UNCR

AD OPR Evans Head Airpark Pty Ltd, PO Box 47, Evans Head, NSW, 2473.

PH 0479 079 959.

**REMARKS**

1. Conditions of Entry: PPR CTC AD OPR. Safety Measures Apply.
2. AD Charges: All ACFT using the AD including training ACFT using the AD for TGL must pay fees. Fees will be calculated after permission is approved. An honesty/donation box is onsite for collection of fees.

**HANDLING SERVICES AND FACILITIES**

Nil fuel AVBL.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

120.3 Circuit area

**AIR WEAPONS RANGE CONTROL**

RANGE Evans Head 263.9P 123.3(1)

RANGE Evans Head 260.0S 133.9

RANGE Evans Head 394.4(2) 120.3(3) 27.880(4)

RANGE Evans Head 243.0(5)

1. Range Control monitors 123.3 as a primary VHF FREQ but will change to 133.9 Range Control secondary on REQ.
2. 394.4 is an SMC FREQ for RNG vehicular TFC.
3. Range Control monitors 120.3, Brisbane Centre.
4. Marine distress
5. MIL distress.

**FLIGHT PROCEDURES**

1. ACFT not cleared to enter M641/R638 when active, must fly a circuit at 500FT on QNH. Circuit direction should be established by radio with other circuit TFC in preference to overflying.
2. Right CCTS RQ RWY 18.

**CTAF** 126.7**NOISE ABATEMENT PROCEDURES**

Noise abatement procedures apply, for full details ACFT operators should refer to [www.richmondvalley.nsw.gov.au](http://www.richmondvalley.nsw.gov.au)

**ADDITIONAL INFORMATION**

1. Airfield used by ultralights and model ACFT.
2. Radio controlled model ACFT using a small section of RWY 14/32, the closed RWY west of RWY 18/36.
3. Evans Head Range (RAAF) 5NM SW of AD activated by NOTAM. Check with Flightwatch for NOTAM on airspace (range) status.
4. Caution: Possible alternate ground users.
5. Caution: Possible ground maintenance users.
6. NSW Heritage Listed Site.

**CHARTS RELATED TO THE AERODROME**

WAC 3357.

11° 7NM

Exmouth

Township

02

02

WA

220229S

1140608E

AD OPR Shire of Exmouth, PO Box 21, Exmouth or Maidstone Crescent, Exmouth, WA, 6707. PH AD 08 9949 1326. ARO 0407 494 419 (H24). Fax 08 9949 1840.

ELEV 10

FULL NOTAM SERVICE NOT AVBL

UTC +8

YEXM

VAR 0 DEG E

UNCR

REMARKS

1. PPR CTC ARO.

2. Strip closed after heavy rain.

HANDLING SERVICES AND FACILITIES

Fuel is NOT AVBL.

PHYSICAL CHARACTERISTICS

RWY 02/20, 1260M, unsealed gravel with 211M central sealed section and parking area. WID 30M.

AERODROME AND APPROACH LIGHTING

1. Solar lighting HN. RWY 02/20 white on sides, green APCH, red at ends, blue TWY lights - IWI.

2. RWY edge light spacing: 02/20: 60M.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

MELBOURNE CENTRE

125.9 On Ground

CTAF 118.3

Except when Learmonth CTR and restricted areas are active.

ADDITIONAL INFORMATION

1. AD unfenced. Animal hazard likely.

2. HEL OPS H24.

3. Airfield is used by Microlights.

CHARTS RELATED TO THE AERODROME

WAC 3229.

**FACING ISLAND****AVFAX CODE 4006**

QLD

235324S

1513400E

AD OPR Auriga Group, 14 Argyle St, Albion, QLD, 4010. Email: nick.plenty@auriga.com.au.

ARO 0436 316 986.

**FULL NOTAM SERVICE NOT AVBL**

UTC +10

YFLD

VAR 10 DEG E

UNCR

**REMARKS**

1. PPR.
2. Private use.

**METEOROLOGICAL INFORMATION PROVIDED**

AWIS FREQ 126.85 - Report faults to YGLA AD OPR.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA

BRISBANE CENTRE

119.55

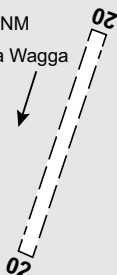
**CTAF** 118.8**CHARTS RELATED TO THE AERODROME**

1. WAC 3235.
2. Also refer to AIP Departure and Approach Procedures.

**FEDERATION****ELEV 710****FULL NOTAM SERVICE NOT AVBL**

186° 7NM

Wagga Wagga



NSW

350046S

1472225E

UTC +10

YFDN

VAR 12 DEG E

UNCR

AD OPR G.M. &amp; K.M. Gaskin, 'Federation' 188 Federation Road, Downside, Wagga Wagga, NSW, 2650. PH 02 6922 9221:

Mobile 0408 694 194. Fax 02 6922 9295.

**REMARKS**

1. No landing charge for private pilots.
2. Prior arrangement appreciated or radio calls on CTAF.
3. Daylight OPS only

**PASSENGER FACILITIES**

PT/FAX/WC (at homestead)

**AERODROME OBSTACLES**

Trees to right of approach RWY 02. DTHR to clear trees on approach to RWY 20.

**PHYSICAL CHARACTERISTICS**

RWY slopes 2DEG FM centre down at each end N and S.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA

MELBOURNE CENTRE

119.5

**CTAF** 126.95**ADDITIONAL INFORMATION**

FM the THR of RWY 02, ACFT on the ground near the THR of RWY 20 can be hidden FM view.

**CHARTS RELATED TO THE AERODROME**

WAC 3457.

**ELEV 368**

WA UTC +8 YFTZ  
181055S 1253331E VAR 2 DEG E CERT  
AD OPR Shire of Derby / West Kimberley, PO Box 101, Fitzroy Crossing, WA,  
6765. Email: [sdwk@sdwk.wa.gov.au](mailto:sdwk@sdwk.wa.gov.au). PH 08 9191 0999.  
ARO H24 0427 915 201: AD MGR 0418 922 415: Ports MGR 0427 272 007.

1. TAF CAT D, METAR/SPECI.
2. AWIS PH 08 6216 2612 - Report faults to BoM.

|       |     |     |                                       |        |        |
|-------|-----|-----|---------------------------------------|--------|--------|
| 01/19 | 015 | 43a | PCN 10 /F /A /1000 (145PSI) /T Sealed | WID 30 | RWS 90 |
|-------|-----|-----|---------------------------------------|--------|--------|

|           |                                                                                |                |                      |
|-----------|--------------------------------------------------------------------------------|----------------|----------------------|
| RWY 01/19 | LIRL(2)                                                                        | AFRU+PAL 126.7 |                      |
| RWY 01/19 | PTBL(1)                                                                        |                | BY PRIOR ARRANGEMENT |
| (1)       | EMERG only.                                                                    |                |                      |
| (2)       | Manual activation by prior arrangement with AD OPR 24 HR prior notice required |                |                      |

|     |                 |                 |
|-----|-----------------|-----------------|
| FIA | BRISBANE CENTRE | 124.8 On Ground |
|-----|-----------------|-----------------|

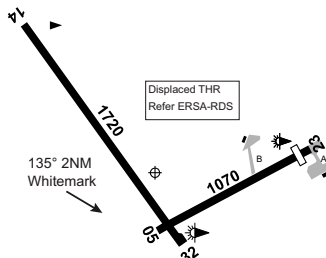
**CTAF - AFRU 126.7**

Animal and Bird hazard exists.

1. WAC 3223.
2. Also refer to AIP Departure & Approach Procedures.

ELEV 34

TAS UTC +10 YFLI  
400529S 1475934E VAR 14 DEG E CERT  
AD OPR Flinders Council, PO Box 40, Whitemark, Flinders Island, TAS, 7255.  
Email: richard.harley@flinders.tas.gov.au: airport.operations@flinders.tas.gov.au.  
PH 03 6359 2144 (BH). ARO H24 0429 813 929. Website: www.flinders.tas.gov.au.



1. This AD is a Security Controlled Airport.
2. AD Charges apply, refer to website.

AVGAS, JET A1. 24HR prior notice required CTC ARO. Overwing refuelling only. AH call-out fee may apply.

**PASSENGER FACILITIES**

HC/TX/AC/LG/RF/WC.

**APRONS AND TAXIWAYS**

TWY B MAX weight - 4,000KG.

**SURFACE MOVEMENT GUIDANCE**

RWY 32 fixed distance and TDZ markings displayed 20M to N.

**AERODROME OBSTACLES**

1. RWY 05 - Unlit fence 4.5FT ABV and 11M NE of RWS end.
2. RWY 32 - Unlit fence 5.3FT ABV and 11M NW of RWS end.
3. Group of trees BRG 051 DEG MAG 3,680M FM ARP. Infringes TKOF SFC by 14FT.
4. Lit OBST:
  - a. 399FT AMSL, BRG 087 MAG 2NM FM ARP.
  - b. 439FT AMSL, BRG 343 MAG 1.1NM FM ARP.
  - c. 499FT AMSL, BRG 310 MAG 2.5NM FM ARP.
  - d. 552FT AMSL, BRG 108 MAG 2.9NM FM ARP.
  - e. 653FT AMSL, BRG 342 MAG 1.7NM FM ARP.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT C, METAR/SPECI.
2. AWIS PH 03 6283 8601 - Report faults to BoM.
3. AWIS FREQ 134.4 (requires one-second pulse to activate) - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

|       |     |     |                                    |        |        |
|-------|-----|-----|------------------------------------|--------|--------|
| 05/23 | 047 | 35c | PCN 7 /F /B /610 (88PSI) /T Sealed | WID 30 | RWS 90 |
| 14/32 | 130 | 56c | PCN 7 /F /B /610 (88PSI) /T Sealed | WID 30 | RWS 90 |

**AERODROME AND APPROACH LIGHTING**

|           |      |                |               |
|-----------|------|----------------|---------------|
| RWY 05/23 | LIRL | AFRU+PAL 127.8 | SDBY PWR AVBL |
| RWY 14/32 | LIRL | AFRU+PAL 127.8 | SDBY PWR AVBL |

1. RWY edge light spacing: 05/23: 90M; 14/32: 90M.
2. RWY 23 and RWY 32: AFRU+PAL activation range may be reduced to the N due to high terrain.

**OTHER LIGHTING**

|     |         |                                      |
|-----|---------|--------------------------------------|
| HBN | FLG 1 R | 399FT AMSL BRG 087 MAG 2NM FM ARP.   |
| HBN | FLG 1 R | 552FT AMSL BRG 108 MAG 2.9NM FM ARP. |
| HBN | FLG 1 R | 439FT AMSL BRG 343 MAG 1.1NM FM ARP. |
| HBN | FLG 1 R | 653FT AMSL BRG 341 MAG 1.7NM FM ARP. |
| HBN | FLG 1 R | 499FT AMSL BRG 310 MAG 2.5NM FM ARP. |

1. SDBY PWR switchover time: 15 SEC.
2. TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

|     |                  |                    |
|-----|------------------|--------------------|
| FIA | MELBOURNE CENTRE | 126.5 Circuit area |
|-----|------------------|--------------------|

**LOCAL TRAFFIC REGULATIONS**

1. VHF transmissions of taxiing ACFT are subject to ground shielding. Extreme caution must be exercised.
2. Parking restrictions:
  - a. Bay 1 scheduled Air Transport Operation (ATO) only.
  - b. Bay 2 shared with RFDS, Air Ambulance and other ATO - contact ARO.
  - c. Bay 3 AVBL for itinerant ACFT above 5,700KG - contact ARO.
  - d. Light ACFT to park on grass APN adjacent to main APN.
  - e. TWY B and grass APN for private hanger ACFT only - contact ARO.
  - f. Fuel bay parking not permitted unless ACFT requiring fuel - contact ARO.
3. All ACFT ABV 5,700KG must use RWY end turning node.

**FLIGHT PROCEDURES**

1. Right hand circuits RQ when OPR on RWY 05 and 14.
2. Night landings not permitted RWY 23. Night takeoffs not permitted RWY 05.

**CTAF - AFRU 127.8**

**ADDITIONAL INFORMATION**

Bird and wallaby hazard exists.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3556.
2. Also refer to AIP Departure and Approach Procedures.

**FORBES****ELEV 760****AVFAX CODE 2201**

NSW

332149S

1475606E

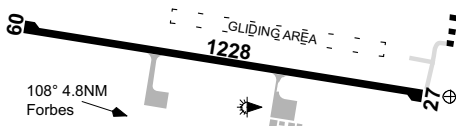
UTC +10

VAR 11 DEG E

YFBS

CERT

AD OPR Forbes Shire Council, PO Box 333, Forbes, NSW, 2871. PH 02 6850 2874 (BH) or 0447 487 726 (AH).

**REMARKS**

Landing charges: nil.

**HANDLING SERVICES AND FACILITIES**

AVGAS and JET A1 AVBL. H24, self-service bowser accepts all credit cards.

**PASSENGER FACILITIES**

WC

**METEOROLOGICAL INFORMATION PROVIDED**

1. METAR/SPECI.
2. AWIS PH 02 9353 6420 - Report faults to BoM.

**PHYSICAL CHARACTERISTICS**

09/27 088 40a Unrated

WID 18 RWS 90

**AERODROME AND APPROACH LIGHTING**

RWY 09/27 LIRL PAL 122.4

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 135.25 Circuit area

**LOCAL TRAFFIC REGULATIONS**

1. RWS 09L/27R: grass strip parallel to sealed RWY. Marked by orange gable markers and available for use by hang gliders, tugs and tail skid aircraft.
2. RWY 09R/27L: for use by aircraft other than hang gliders, tugs and tail skid aircraft.

**FLIGHT PROCEDURES**

1. Simultaneous contra circuit operations daily HJ.
2. Hang glider/tug/tail-skid circuits to north using RWS 09L/27R.
3. Other aircraft circuits to the south using RWY 09R/27L.
4. There is no dead side with contra circuits.
5. Aircraft must not infringe hang gliders, tugs and tail-skid aircraft circuit below 1,500FT AGL.
6. Join circuit downwind or upwind over RWY 09R/27L.
7. RWY 27R: Right hand circuits.
8. RWY 09R: Right hand circuits HJ. Left hand circuits permitted HN.

**CTAF** 126.7

**ADDITIONAL INFORMATION**

1. Animal and bird hazard exists.
2. Hang glider OPS daily HJ using RWS 09L/27R.

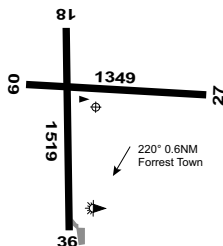
**CHARTS RELATED TO THE AERODROME**

1. WAC 3456, 3457.
2. Also refer to AIP Departure & Approach Procedures.



# FORREST

## AVFAX CODE 6201

**ELEV 511**

WA  
305017S 1280654E UTC +8 YFRT  
VAR 3 DEG E CERT  
AD OPR Fayburn Pty Ltd, PO Box 63, Guildford, WA, 6935.  
AD MGR: Forrest Airport, Forrest, WA, 6434. Email: AD Manager  
info@forrestairport.com.au. PH AD Manager 08 9022 6403:  
ARO 0408 710 862. PH Fayburn Administration 0409 376 016.  
Email: admin@forrestairport.com.au.  
Website: www.forrestairport.com.au.

### REMARKS

- AD Charges: nil when fuel purchased.
- PPR FM AD OPR for:
  - OPS ABV 20,000KG.
  - Use of the AD as an alternate.
- All RWS AVBL with PN.

### HANDLING SERVICES AND FACILITIES

CTC AD Manager H24, PN required. AVGAS, JET A1 and 0125. Payment by cash, EFTPOS, MC, V or cheque. No AMEX or Carnet, invoice by arrangement.

### PASSENGER FACILITIES

PT/WC/AC/RF/Meals. Fully furnished accommodation should be booked in advance to AD Manager.

### AERODROME OBSTACLES

- Unlit Telstra TWR 810FT AMSL BRG 242 DEG MAG 2.48NM FM THR RWY 09.
- NDB TWR 672FT AMSL BRG 213 DEG MAG 1.2NM FM ARP.
- Unlit hangar facade 34FT AGL BRG 112 DEG MAG 137M FM THR RWY 36. Infringes transitional SFC by 4FT.

### METEOROLOGICAL INFORMATION PROVIDED

- TAF CAT C, METAR\SPECI.
- AWIS PH 08 6216 2613 - Report faults to BoM.
- AWIS FREQ 128.65 (one long transmit pulse of 1 SEC to activate).

### PHYSICAL CHARACTERISTICS

|       |     |     |                                          |        |         |
|-------|-----|-----|------------------------------------------|--------|---------|
| 09/27 | 090 | 44a | PCN 18 / F / A / 20000/1100 (160PSI) / U | WID 30 | RWS 150 |
| 18/36 | 176 | 50a | PCN 18 / F / A / 20000/1100 (160PSI) / U | WID 45 | RWS 150 |

### AERODROME AND APPROACH LIGHTING

RWY 09/27 PTBL(2) BY PRIOR ARRANGEMENT  
RWY 18/36 LIRL(1) PAL 119.6 SDBY PWR AVBL  
(1) PAL 119.6 requires three one-second pulses to activate.  
(2) EMERG only. 90MIN PN.  
RWY 18/36 edge light spacing: 90M.

### OTHER LIGHTING

ABN FLG 10 W AVBL MAN activation on request  
1. Secondary PWR auto switch time: 15 SEC.  
2. TWY LGT: Blue edge.

### ATS AND AERODROME COMMUNICATION FACILITIES

FIA MELBOURNE CENTRE 134.2 11000FT  
UNICOM FORREST UNICOM 126.7 (1)  
(1) CS "Forrest UNICOM".

### RADIO NAVIGATION AND LANDING AIDS

NDB FRT 268 305117.6S 1280557.7E Range 90 (HN 75) (1)  
(1) Pilot monitored - 033/1.2 to ARP.

LOCAL TRAFFIC REGULATIONS

- 1. ACFT hangar parking AVBL.
- 2. RWY 18/36 transitional SFC may be infringed by ACFT parked on apron.

CTAF 126.7

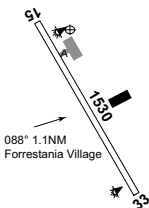
CHARTS RELATED TO THE AERODROME

- 1. WAC 3353.
- 2. Also refer to AIP Departure and Approach Procedures.

FORRESTANIA

ELEV 1362

AVFAX CODE 6312



WA

323442S1194224E

UTC +8

YFTA

AD OPR IGO Limited, PO Box 496, South Perth, WA, 6951.  
Email: fnp.reception@igo.com.au. ARO 08 9891 0200: 08 9891 0218.  
ARO AH 08 9891 0207.

REMARKS

- 1. Restricted OPS. PPR from AD OPR.
- 2. AD is fenced.

AERODROME OBSTACLES

- 1. Lit mast 1,638FT AMSL, BRG 079 MAG 1.63NM FM ARP.
- 2. Transitional SFC infringed by ACFT parked on APN 60M FM RWY CL.
- 3. Primary IWI 1,395FT AMSL, BRG 245 MAG 0.03NM FM ARP.
- 4. Secondary IWI 1,379FT AMSL, BRG 157 MAG 0.64NM FM ARP.
- 5. APN floodlight 1,386FT AMSL, BRG 174 MAG 0.05NM FM ARP.

PHYSICAL CHARACTERISTICS

15/3314650cPCN 8 / F / B / 800 (116PSI) / U GravelWID 30RWS 150

AERODROME AND APPROACH LIGHTING

RWY 15/33LIRL(2)

BY PRIOR ARRANGEMENT

RWY 15/33PTBL(1)

BY PRIOR ARRANGEMENT

- (1) 90 MIN PN to ARO
- (2) 30 MIN PN to ARO
- 1. RWY edge light spacing: 15/33: 59M.
- 2. Lighting is powered by local, manual start, 17kW generator.

OTHER LIGHTING

TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA MELBOURNE CENTRE125.4 Circuit Area

LOCAL TRAFFIC REGULATIONS

ACFT greater than 5,700KG MTOW, MAX RAD turn at RWY end.

CTAF - AFRU 126.7

CHARTS RELATED TO THE AERODROME

- 1. WAC 3462.
- 2. Also refer to AIP Departure & Approach Procedures.

**FORTESCUE DAVE FORREST****ELEV 1563****AVFAX CODE 6830**

WA

UTC +8

YDFD

221731S

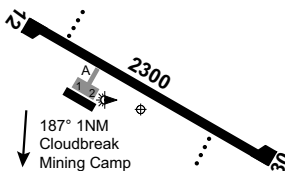
1192614E

VAR 1 DEG E

CERT

AD OPR Chichester Metals Pty Ltd, PO Box 6915, East Perth, WA, 6892.

Email: cbairport@fortescue.com. PH AD Manager 08 9176 6038. ARO H24 0437 488 818.

**REMARKS**

- PPR 24HR PN required for all unscheduled ACFT.
- All OPS: Advise AD OPR at least 20 MIN prior to ETA on 132.025, CS 'Fortescue Base'.

**HANDLING SERVICES AND FACILITIES**

Air BP JET A1 CTC AD Manager/ARO.

**General**

ACFT marshalling is provided for all ACFT ABV 5,700KG MTOW.

**AERODROME OBSTACLES**

- Terrain (hills) lit-LIOL, 1,769FT AMSL, BRG 330 MAG 2.6NM FM ARP.
- Extensive terrain penetration of inner HZS to 1,800FT AMSL in N quadrant, BRG 324 MAG to 052 MAG, 2NM to 2.92NM FM ARP.
- Boundary Fence, infringing transitional SFC by 2FT to 5.25FT AGL, offset 77M FM RWY CL.
- AWS mast (Lit), 32.8FT AGL, infringing transitional SFC by 23FT, PSN 740M FM RWY 12 SOT 111M right of RWY CL.

**METEOROLOGICAL INFORMATION PROVIDED**

- TAF CAT C, METAR/SPECI.
- AWIS FREQ 130.3 (requires 3 one-second pulses to activate) - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

12/30 123 75a PCN 27 /F /A /1200 (174PSI) /T

WID 30 RWS 150

**AERODROME AND APPROACH LIGHTING**

RWY 12/30 LIRL AFRU+PAL 127.05

SDBY PWR AVBL

RWY 12/30 PAPI(1) AFRU+PAL 127.05 3.0 DEG54FT

SDBY PWR AVBL

RWY 12/30 PTBL(2)

BY PRIOR ARRANGEMENT

(1) Left side.

(2) 90 MIN PN.

- PAL Activation - allow for a 5 SEC delay for notification of successful activation before a second attempt.
- Main and SDBY PWR supplied by AD generators.
- RWY edge light spacing: 59M.

**OTHER LIGHTING**

- TWY LGT: Blue edge.
- SDBY PWR switchover time: 45 SEC.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE

128.15 Circuit area

UNICOM FORTESCUE DAVE

127.05 (1)

FORREST UNICOM

- CS "Fortescue UNICOM". AVBL for scheduled movements.

LOCAL TRAFFIC REGULATIONS

- ACFT ABV 5,700KG MTOW use RWY end 45M nodes for 180DEG turns.
- All traffic to access the APN via TWY A
- Dual lead in lines on PRKG Bay 1. Lead in lines marked as 1 or 1A.
  - ACFT to use lead in 1: PC24 and A319.
  - ACFT to use lead in 1A: A320, B738, F100 and E190.
- No fuel AVBL on Bay 2.

FLIGHT PROCEDURES

- DEP RWY 12 left hand turn only as soon as practicable after TKOF. South bound TFC to intercept track overhead YFDF.
- DEP ACFT to use RWY 30 in calm wind conditions.
- All ACFT to call airborne on CTAF FREQ as soon as practicable after TKOF.

CTAF - AFRU 127.05

ADDITIONAL INFORMATION

- Blasting occurs BTN 4.3NM and 13NM to SE and W of ARP BTW 115 and 273 DEG MAG.
- Dust plumes may occur following blasting.
- CAUTION: YCHK is in close proximity and the APCH/DEP tracks cross close to the ground. Due to terrain shielding, VHF contact with ACFT on or close to the ground at YCHK is not possible.

CHARTS RELATED TO THE AERODROME

- WAC 3229.
- Also refer to AIP Departure and Approach Procedures.

FREGON

ELEV 1732

FULL NOTAM SERVICE NOT AVBL

21

35

SA

264633S1320103E

AD OPR Aparawataja Community Inc, Fregon, via Alice Springs, SA, 0871.  
PH 08 8956 7839. Fax 8956 7569.

PASSENGER FACILITIES

Telephone facilities not AVBL.

UTC +9:30

VAR 4 DEG E

ELEV 1732

YFRG

UNCR

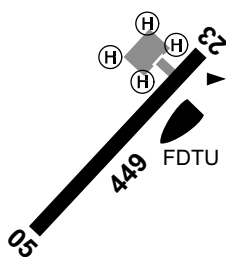
ATS AND AERODROME COMMUNICATION FACILITIES

FIA MELBOURNE CENTRE 121.85 10000FT

CTAF 126.7

CHARTS RELATED TO THE AERODROME

WAC 3343.

**GARDEN ISLAND HELIPORT****ELEV 36****AVFAX CODE 6023**

WA 321430S 1154102E UTC +8 YGAD  
 AD OPR NAVY, HMAS Stirling, Rockingham, WA, 6958. MIL  
 Email: stir.hsf@defence.gov.au. PH Airfield Manager: 08 9553 3921:  
 0448 719 837.

**REMARKS**

- ACFT OPR in vicinity of HMAS Stirling (including embarked ACFT) CTC Airfield Manager 24HR PN.
- MIL OPS only. HLS not open for public use.
- REQ for use of FAC to be included in LOGREQ signalled to HMAS Stirling, attention: HSF Manager and PSM West. Port Manager (08 9553 2386) is responsible for coordinating all LOGREQ replies. REQ to disembark to, or use of FAC by detachments or flights, are to be signalled to HMAS Stirling, attention HSF Manager with PSM West as INFO addressee. The HSF Manager is responsible for coordinating use of the FAC.

**HANDLING SERVICES AND FACILITIES**

F44 24HR PN.

**RESCUE AND FIREFIGHTING SERVICES**

- CAT 4 AVBL MON-FRI - 2330 – 0800 UTC EXC PH. HO 24HR PN.
- ARFFS MNT CTAF 121.0 MHz.

**AERODROME OBSTACLES**

Numerous vegetation infringements of APCH, TKOF and transitional SFC in proximity of RWY 05/23.

**METEOROLOGICAL INFORMATION PROVIDED**

- METAR/SPECI.
- AWIS Phone 08 6216 2614 - Report faults to BoM.

**PHYSICAL CHARACTERISTICS**

05/23 048 15a PCN 12 /F /B /1000 (145PSI) /T WID 34  
 Slope 1.9% up to SW FM THR RWY 23 for 100M then 1.6% down to SW to THR RWY 05.

**AERODROME AND APPROACH LIGHTING**

RWY 05/23 LIRL PAL 124.1  
 RWY edge LGT non-standard spacing: less than 55M.

**OTHER LIGHTING**

- TWY edge LGT and APN edge LGT non-standard colour: yellow.
- APN edge LGT non-standard spacing: greater than 30M.
- Holding point unlit.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA PERTH CENTRE 135.25 Circuit Area

**LOCAL TRAFFIC REGULATIONS**

All takeoffs and landings are to be made from the RWY sealed SFC due to limited movement area.

**FLIGHT PROCEDURES**

- ARR ACFT CTC "STIRLING TOWER" 156.7. 10 MIN PN advising intentions.
- Circuit HGT 500FT AGL. Circuit ALT BTN 200 – 2,000FT permitted. Non-standard circuit HGT to be advised.
- Circuit direction: RWY 05 - Right hand, RWY 23 - Left hand.

**CTAF 121.0**

NOISE ABATEMENT PROCEDURES

1. ACFT to remain 0.5NM clear of mainland when BLW 1,500FT AMSL, particularly Rockingham and Point Peron.
2. ACFT not to overfly HMAS Stirling FAC.

ADDITIONAL INFORMATION

1. HSF CS "STIRLING SUPPORT" 132.5 MHz MNT.
2. Flight deck procedure trainer (CS "TRAINER"), 393.5 MHz.
3. Flight deck procedure trainer lighting based on fast frigate guided lighting fit.

CHARTS RELATED TO THE AERODROME

WAC 3462.

GARDEN POINT

ELEV 90

AVFAX CODE 8013

NT

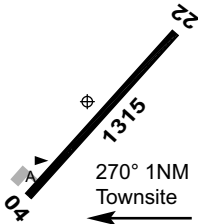
112357S1302531E

UTC +9:30  
VAR 2 DEG E

YGPT  
CERT

AD OPR Tiwi Islands Regional Council, PO Box 1, Bathurst Island, via Darwin, NT, 0822.

Email: romel.siplon@tiwiislands.nt.gov.au. PH 08 8970 9600. PH Joseph Bourke 0419 474 562.



REMARKS

1. Except for EMERG OPS, 30MIN PN required BTN 0730-2030 UTC, CTC AD OPR.
2. AD closed to NGT OPS except EMERG only.
3. LDG fees apply per tonne and part thereof.

a. Fixed wing ACFT 8,999KG MTOW: \$40.00/tonne.

b. Rotary wing ACFT 2,499KG MTOW: \$40.00/tonne.

c. 2,500KG MTOW and over: \$50.00/tonne.

*Note: No charge for Australian Army, Department of Defence, NT Police, balloons and gliders.*

AERODROME OBSTACLES

1. CAUTION: RWY 04/22 E and W side transitional SFC infringed.
2. Trees:

a. 109FT AMSL 216 DEG MAG 1,148M FM ARP. Infringes RWY 04 approach.

b. 107FT AMSL 220 DEG MAG 1,085M FM ARP. Infringes RWY 04 approach.

c. 96FT AMSL 220 DEG MAG 1,029M FM ARP. Infringes RWY 04 approach.

PHYSICAL CHARACTERISTICS

04/22039 43cUnrated. Sealed

WID 18RWS 90

AERODROME AND APPROACH LIGHTING

RWY 04/22PTBL(1)

BY PRIOR ARRANGEMENT

(1) EMERG only.

ATS AND AERODROME COMMUNICATION FACILITIES

FIABRISBANE CENTRE

118.15 2000FT

CTAF 126.5

CHARTS RELATED TO THE AERODROME

1. WAC 3099.
2. Also refer to AIP Departure and Approach Procedures.

**GATTON AIRPARK****ELEV 460****FULL NOTAM SERVICE NOT AVBL**


 QLD  
 273524S                      1521524E                      UTC +10                      YGAS  
 VAR 11 DEG E                      UNCR  
 AD OPR Gatton Airpark Body Corporate, The Secretary, PO Box 64, Gatton, QLD, 4343.  
 Email: gabc.secretary@outlook.com. Website: www.gattonairpark.com.

**REMARKS**

1. PPR. Form AVBL from website.
2. This is a private residential airfield.
3. AD HR of OPR - HJ. Visiting MIL ACFT may OPR HO.
4. For airfield conditions, refer to website.

**PHYSICAL CHARACTERISTICS**

01/19                      25c    Unrated. Gravel and grass. RWY LEN 756M.    WID 32    RWS 90

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA                      BRISBANE CENTRE                      121.2

**LOCAL TRAFFIC REGULATIONS**

1. Light ACFT PRKG AVBL on tie-downs - not strength rated - at N end of RWY ADJ to machinery shed.
2. Carriage and use of radio is required by the AD OPR.

**FLIGHT PROCEDURES**

Right hand CCTS RWY 19.

**CTAF** 126.7

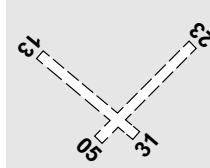
**ADDITIONAL INFORMATION**

1. Animal hazard exists.
2. Weather camera display AVBL: [www.myairportcams.com/ygas](http://www.myairportcams.com/ygas). Cameras are not BoM certified. Report faults to AD OPR.

**CHARTS RELATED TO THE AERODROME**

WAC 3340.

**GAWLER****ELEV 165****FULL NOTAM SERVICE NOT AVBL**


 SA  
 343555S                      1384317E                      UTC +9:30                      YGAW  
 VAR 8 DEG E                      UNCR  
 AD OPR AD Owner Light Regional Council, AD Operator Adelaide Soaring Club, PO Box 94, Gawler, SA, 5118. PH 08 8522 1877.

**REMARKS**

1. PPR - H24 PN to AD OPR.
2. Contact AD OPR for AD procedures.
3. AD Charges: Landing Charges apply.

**HANDLING SERVICES AND FACILITIES**

AVGAS AVBL with prior arrangement.

**PASSENGER FACILITIES**

AC - Phone 08 8522 1877

**AERODROME OBSTACLES**

Elevated freeway on approach to RWY 23.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA                      ADELAIDE CENTRE                      130.45

**LOCAL TRAFFIC REGULATIONS**

1. When gliding operations in progress the duty RWY is the RWY in use by the gliding operation. All TKOF to commence in front of the Gliding Operation.
2. If wind is light and variable, RWY 23 or 31 should be used by all ACFT.

## FLIGHT PROCEDURES

- The airfield operator has a Fly Neighbourly policy, therefore the following apply  
Circuit Directions:
  - RWY 05 Left hand circuits,
  - RWY 13 Right hand circuits,
  - RWY 23 Right hand circuits,
  - RWY 31 Left hand circuits.
- Light sports aircraft, gliding and microlight OPS HJ - Aerotow and self-launched. Gliders, Tugs and Microlights normally operate inside and BLW standard, 1,000FT circuit. A "Fly Neighbourly" policy exists, therefore circuits, left hand for RWY 05 and 31, right hand for RWY 13 and 23. Unforeseen circumstances and or training may occasionally see ACFT fly contra or unusual circuits.
- Gliders and tugs operate FM right hand side of RWY 05 and 31 left hand side of RWY 13 and 23 behind the THR. In a mixed operation ACFT should not make low/shallow approaches and must land beyond THR.

**CTAF** 126.55

## ADDITIONAL INFORMATION

- Caution - RWY 13 THR is approximately 1,000M from Edinburgh MIL CTR boundary (refer to VTC and DAH for LAT and VER limits).
- Farm machinery operating on airfield.

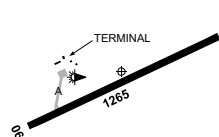
## CHARTS RELATED TO THE AERODROME

WAC 3458, 3459.

## GAYNDAH

**ELEV 372**

## AVFAX CODE 4008



QLD

253655S

1513715E

UTC +10

VAR 10 DEG E

YGAY

CERT

AD OPR North Burnett Regional Council, PO Box 390, Gayndah, QLD, 4625. Email: admin@northburnett.qld.gov.au. Council PH 1300 696 272. Fax 07 4161 1425.

## HANDLING SERVICES AND FACILITIES

AVGAS and JET A1 Compac Pay mobile APP bowzers (MC and V credit card only).

## PASSENGER FACILITIES

TX (131924 or 07 4161 1092)/LG/WC/AC.

## AERODROME OBSTACLES

- Unlit tower 709FT AMSL BRG 196.70 DEG MAG 1.14NM FM ARP. Infringes inner HZS by 193FT.
- Hilltop tree 602FT AMSL BRG 242.33 DEG MAG 2.05NM FM ARP. Infringes inner HZS by 86FT.
- Lit poles:
  - 716FT AMSL BRG 195.14 DEG MAG 1.14NM FM ARP. Infringes inner HZS by 200FT.
  - 401FT AMSL BRG 237.29 DEG MAG 0.54NM FM ARP. Infringes APCH SFC by 1FT.

## METEOROLOGICAL INFORMATION PROVIDED

METAR/SPECI.

## PHYSICAL CHARACTERISTICS

06/24 055 42a PCN 5 /F /B /580 (84PSI) /U

WID 23 RWS 90

## AERODROME AND APPROACH LIGHTING

RWY 06/24 LIRL(1) AFRU+PAL 126.7

SDBY PWR AVBL

(1) SDBY PWR 10 MIN PN.

RWY 06/24 edge light spacing: 60M.

## OTHER LIGHTING

- SDBY PWR switchover time: 15 SEC.
- TWY edge light: blue.



**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

124.1 2500FT

**CTAF - AFRU** 126.7**ADDITIONAL INFORMATION**

Bird hazard may exist.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3340.
2. Also refer to AIP Departure and Approach Procedures.

**GEORGE TOWN (TAS)****ELEV 120****FULL NOTAM SERVICE NOT AVBL**

TAS

UTC +10

YGTO

410448S

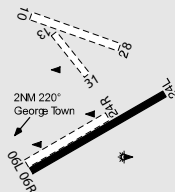
1465024E

VAR 14 DEG E

UNCR

AD OPR George Town Airport Association, PO Box 173, George Town, TAS, 7253.

PH 0493 797 649.

**REMARKS**

PPR. Visitors welcome.

**HANDLING SERVICES AND FACILITIES**

NIL fuel AVBL.

**PHYSICAL CHARACTERISTICS**

|         |     |                                |        |
|---------|-----|--------------------------------|--------|
| 06L/24R | 16c | Unrated. Grass. RWY LEN 500M.  | WID 20 |
| 06R/24L | 26a | Unrated. Sealed. RWY LEN 800M. | WID 17 |
| 10/28   | 18c | Unrated. Grass. RWY LEN 545M.  | WID 20 |
| 13/31   | 12c | Unrated. Grass. RWY LEN 380M.  | WID 12 |

RWY 13/31 significant gradient exists from south of APRX mid-field.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE

126.5 Circuit Area

**FLIGHT PROCEDURES**

ACFT are to make all turns to the right in the circuit pattern for a LDG or after TKOF when using RWY 24L, 24R, 31 or 28.

**CTAF** 127.3**ADDITIONAL INFORMATION**

1. PJE OPS HJ within 5NM of AD. SFC to FL150. Drop zone located SW of RWY 06R/24L. CTC AD OPR for additional information.
2. All grass runways and grass areas are subject to wet and soggy conditions.
3. Stock and native wildlife hazards may exist.

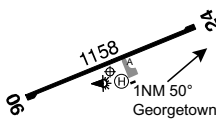
**CHARTS RELATED TO THE AERODROME**

WAC 3556.

GEORGETOWN (QLD)

ELEV 995

AVFAX CODE 4323



QLD

181812S

1433151E

UTC +10

VAR 6 DEG E

YGTN

CERT

AD OPR Etheridge Shire Council, PO Box 12, Georgetown, QLD, 4870.  
Email: info@etheridge.qld.gov.au. PH 07 4079 9090. ARO 0427 621 279.  
Georgetown Fax 07 4062 1285.

HANDLING SERVICES AND FACILITIES

Georgetown Roadhouse: 2100-1000 UTC DLY. Phone 07 4062 1999, Fax 4062 1911,  
email: jabena@bigpond.com. Limited drum stocks only. More fuel AVBL with PN. AVGAS, JET A1.  
Cash, cheque, major credit cards.

PASSENGER FACILITIES

WC/AC.

AERODROME OBSTACLES

1. Unlit masts:

a. 1,141FT AMSL, BRG 079 MAG 0.79NM FM ARP. Infringes inner HZS.

b. 1,145FT AMSL, BRG 090 MAG 0.65NM FM ARP. Infringes inner HZS.
2. Boundary fence. Infringes TNS.

METEOROLOGICAL INFORMATION PROVIDED

TAF CAT D, METAR/SPECI

PHYSICAL CHARACTERISTICS

06/24      057   38a   5700/735 (107PSI)

WID 18    RWS 90

AERODROME AND APPROACH LIGHTING

RWY 06/24    LIRL(1)    AFRU+PAL 126.7

(1)    SDBY PWR MAN ACT on 45MIN PN.

RWY edge light spacing: 60M.

SDBY PWR AVBL

OTHER LIGHTING

TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA      BRISBANE CENTRE      118.6 12000FT

FIA      BRISBANE CENTRE      119.8 5000FT

CTAF - AFRU 126.7

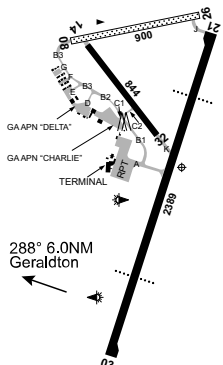
ADDITIONAL INFORMATION

Animal hazard exists.

CHARTS RELATED TO THE AERODROME

1.    WAC 3220.
2.    Also refer to AIP Departure and Approach Procedures.

## GERALDTON

**AVFAX CODE 6003**

WA

AD OPR City of Greater Geraldton, PO Box 101, Geraldton, WA, 6531.

## REMARKS

## HANDLING SERVICES AND FACILITIES

## PASSENGER FACILITIES

## APRONS AND TAXIWAYS

## AERODROME OBSTACLES

**METEOROLOGICAL INFORMATION PROVIDED**

## PHYSICAL CHARACTERISTICS

## AERODROME AND APPROACH LIGHTING

1. RWY edge light spacing: 03/21: 60M.
2. PAL cycle 60MIN.

## OTHER LIGHTING

ATS AND AERODROME COMMUNICATION FACILITIES

FIA MELBOURNE CENTRE 121.2 On Ground

RADIO NAVIGATION AND LANDING AIDS

|     |                     |            |           |            |                   |     |
|-----|---------------------|------------|-----------|------------|-------------------|-----|
| DME | GEL                 | 113.9/ 86X | 284725.2S | 1144222.0E |                   | (1) |
| NDB | GEL                 | 359        | 284754.3S | 1144206.5E | Range 100 (HN 80) | (2) |
| VOR | GEL                 | 113.9      | 284725.2S | 1144222.0E |                   |     |
| (1) | Antenna ELEV 137FT. |            |           |            |                   |     |
| (2) | 097/0.33 to ARP     |            |           |            |                   |     |

LOCAL TRAFFIC REGULATIONS

- PRKG PPR from AD Manager on RPT APN, APN Charlie Bays 20 and 21 and APN Delta (Shine).
- For OPS west of Geraldton, refer to ERC L8 for the lateral bounds of the Abrolhos Islands CTAF. All OPS on the Abrolhos Island CTAF on 127.1.
- All ACFT ABV 50,000KG to use turning nodes, MAX RAD turns at MNM speed.
- ACFT to use MNM power when entering, exiting and operating on all APN.

CTAF - AFRU 126.8

ADDITIONAL INFORMATION

Weather balloon launch 2315 UTC TUE-FRI FM 1.3KM SSW ARP. Additional launch may occur at other times.

CHARTS RELATED TO THE AERODROME

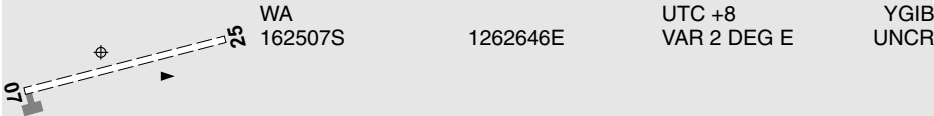
- WAC 3351.
- Also refer to AIP Departure and Approach Procedures.

GIBB RIVER

AVFAX CODE 6907

ELEV 1669

FULL NOTAM SERVICE NOT AVBL



REMARKS

PPR.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA BRISBANE CENTRE 120.75 FL200

CTAF 128.0

CHARTS RELATED TO THE AERODROME

WAC 3222.

GILES

ELEV 1900

AVFAX CODE 6404

FULL NOTAM SERVICE NOT AVBL

|                                                                |          |             |      |
|----------------------------------------------------------------|----------|-------------|------|
| WA                                                             |          | UTC +8      | YGLS |
| 250300S                                                        | 1281800E | VAR 3 DEG E | UNCR |
| AD OPR Warakurna Community, PMB 62, Alice Springs, NT, 0872.   |          |             |      |
| Email: warakurna2@bigpond.com. PH 08 8956 7366. Fax 8956 7367. |          |             |      |

METEOROLOGICAL INFORMATION PROVIDED

TAF CAT D. METAR/SPECI.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA MELBOURNE CENTRE 121.85 FL160

CTAF 126.7

ADDITIONAL INFORMATION

Weather balloon launch APRX 2315 and 1115 UTC FM 1.4KM NNE THR RWY 31. Launches may occur at other times.

**CHARTS RELATED TO THE AERODROME**

WAC 3344.

**GILGANDRA****ELEV 947****FULL NOTAM SERVICE NOT AVBL**

NSW

UTC +10

YGIL

314149S

1483810E

VAR 11 DEG E

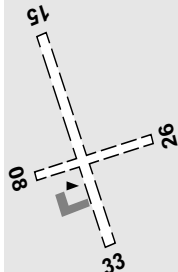
UNCR

AD OPR Gilgandra Shire Council, PO Box 23, Gilgandra, NSW, 2827.

PH 02 6817 8800.

**PASSENGER FACILITIES**

WC/TX 131008.

**PHYSICAL CHARACTERISTICS**

RWY 15/33 1,275M gravel.

RWY 08/26 575M grass.

**AERODROME AND APPROACH LIGHTING**

PAL 120.6

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA

BRISBANE CENTRE

127.1 5000FT

**FLIGHT PROCEDURES**

1. RH CCTS REQ for OPS RWY 15 and RWY 26
2. Airfield used by RAAF for operational training, sometimes in radio silence. Broadcast presence on CTAF 126.7. Contact Gilgandra Aero Club 0404 499 281.

**CTAF** 126.7**ADDITIONAL INFORMATION**

Bird and kangaroo hazard exists.

**CHARTS RELATED TO THE AERODROME**

WAC 3356, 3357.

**GINBATA****ELEV 1409****AVFAX CODE 6831**

WA

UTC +8

YGIA

223452S

1200208E

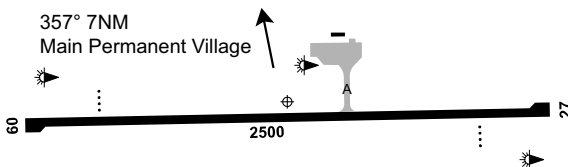
VAR 1 DEG E

CERT

AD OPR Roy Hill Iron Ore Pty Ltd, Roy Hill Mine, PO Box Locked Bag No. 2, West Perth, WA, 6872.

Email: rh.aerodrome@royhill.com.au. PH AD Manager 08 9154 2380. ARO 0448 175 250.

Mobile 0448 194 305.

**REMARKS**

1. Restricted OPS. PPR for itinerant ACFT.
2. Terminal access by prior arrangement.

**HANDLING SERVICES AND FACILITIES**

Air BP: JET A1 CTC AD Manager/ARO.

AERODROME OBSTACLES

1. Terrain 1,562FT AMSL BRG 061 DEG MAG 2.5NM FM ARP. Infringes inner HZS by 7FT.
2. Lit COM TWR 1,644FT AMSL BRG 037 DEG MAG 2.06NM FM ARP. Infringes inner HZS by 81FT.
3. APN flood LGT infringe TNS at FLW LOC:

a. BRG 038 MAG 0.19NM FM ARP. Infringes by 2FT.

b. BRG 047 MAG 0.23NM FM ARP. Infringes by 2FT.

METEOROLOGICAL INFORMATION PROVIDED

AWIS FREQ 123.15 - report faults to AD OPR.

PHYSICAL CHARACTERISTICS

09/2708982aPCN 46 /F /B /1413 (205PSI) /TWID 45RWS 300

RWY shoulders 1.5M.

AERODROME AND APPROACH LIGHTING

RWY 09/27LIRL(1)PAL+AA 120.05SDBY PWR AVBL

RWY 09/27PAPI(1)PAL+AA 120.053.0 DEG49FTSDBY PWR AVBL

(1) SDBY PWR supplied by AD generators.

RWY edge light spacing: 09/27: 59.6M.

OTHER LIGHTING

1. SDBY PWR (automatically activated) switchover time: 30 SEC.
2. TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

FIAMELBOURNE CENTRE128.15

LOCAL TRAFFIC REGULATIONS

1. AD AVBL for OPS H24.
2. All ACFT to turn at RWY ends only, MAX RAD turns at MNM speed.

FLIGHT PROCEDURES

Right hand CCTS - RWY 09.

CTAF - AFRU 127.05

AFRU signal not heard on ground.

ADDITIONAL INFORMATION

UA (multi-rotor 7KG) OPR WI 10NM radius of 223242S 1195854E BRG 304MAG 4NM FM ARP, SFC to 1,000FT AGL. OPR will BCST on 127.05 15MIN prior to launch and at 15MIN intervals whilst airborne. OPR CTC 0419 924 011.

CHARTS RELATED TO THE AERODROME

1. WAC 3229.
2. Also refer to AIP Departure and Approach Procedures.

GINGIN

ELEV 247

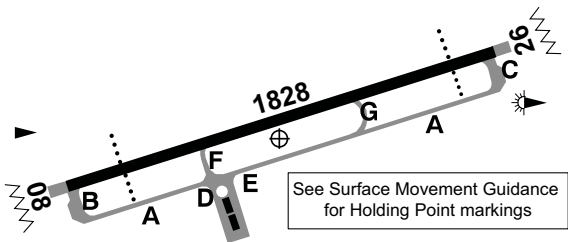
AVFAX CODE 6021

WAWAUTC +8YGIG

312755S1155148EVAR 1 DEG WMIL

AD OPR RAAF, Air Base Command Post - RAAF Base Pearce, Bullsbrook, WA, 6084.

Email: pea.abcp@defence.gov.au. PH 08 9571 7888. Mobile 0419 273 062.



**REMARKS**

- Operations for ACFT BLW 15,000KG. PPR for civil ACFT. RFFS during RAAF training HO. Occasional civil JF training. HEL operate from tarmac.
- 0030-0830 UTC MON-THU; 0030-0630 UTC FRI. FAC may be unmanned during promulgated HR

**HANDLING SERVICES AND FACILITIES**

All PEARCE listings AVBL. PN to PEARCE.

**RESCUE AND FIREFIGHTING SERVICES**

CAT 4 HO only. CTC Pearce SNCOIC Fire 08 9571 7666 or SARO 08 9571 7120.

**APRONS AND TAXIWAYS**

Parking bays on TWY B and C are within RWS.

**SURFACE MOVEMENT GUIDANCE**

Distance marker boards. CWY 3,000FT X 150FT, overrun 1,000FT.

TWY B, C, F and G painted HLDG PTS not coincident with TWY lighting HLDG PTS. Painted HLDG PTS aligned with RWS gable markers. Lit HLDG PTS are inside RWS.

**AERODROME OBSTACLES**

- Unlit and marked communications tower 896FT AMSL BRG 027 MAG 6.9NM FM ARP. Infringes outer HZS by 164FT.
- Unlit communications tower 810FT AMSL BRG 027 MAG 6.9NM FM ARP. Infringes outer HZS by 79FT.
- Lit ATC radar tower 774FT AMSL BRG 041 MAG 5.6NM FM ARP. Infringes outer HZS by 43FT.
- Various OBST infringing OLS. CTC AD OPR for details.

**METEOROLOGICAL INFORMATION PROVIDED**

- TAF CAT C. METAR/SPECI.
- AWIS Phone 08 6216 2616 - Report faults to BoM.
- MET INFO AVBL FM Airservices pilot briefing. Elaborative briefing FM Defence MO 08 9571 7125 when staffed.

**PHYSICAL CHARACTERISTICS**

08/26                      076 60a PCN 11 /F /A /1750 (254PSI) /T F28                      WID 45      RWS 230

**ARRESTING GEAR**

|        |          |       |          |        |
|--------|----------|-------|----------|--------|
| RWY 08 | M34B(R)  | ----- | M34B (R) | RWY 26 |
|        | 30 (100) |       | 30 (100) |        |
|        | OVRN     |       | OVRN     |        |

- Routine servicing for M34B  
MON-THU - 2200-0000 UTC  
FRI - 2200-0030 UTC  
WAE will require 15 MIN notice to vacate RWY.
- Nil RESA AVBL due M34B barrier infrastructure infringement on overrun SFC.
- Barriers equipped with flashing red LGT located either side of barrier. If LGT are visible on final APCH, landing is being attempted over raised barrier.
- M34B arrestor system is only made AVBL on request (24HR PN), and operated when TWR is active.

**AERODROME AND APPROACH LIGHTING**

|           |             |             |               |
|-----------|-------------|-------------|---------------|
| RWY 08/26 | LIRL        |             | SDBY PWR AVBL |
| RWY 08/26 | PAPI(1)     | 3.0 DEG28FT | SDBY PWR AVBL |
| (1)       | Both sides. |             |               |

Light signals may not be visible to ACFT under high ambient light conditions.

**ATS AND AERODROME COMMUNICATION FACILITIES**

|      |                 |        |                                   |
|------|-----------------|--------|-----------------------------------|
| FIA  | PERTH CENTRE    | 135.25 | Circuit area (Outside GIG TWR HR) |
| APP  | PEARCE APPROACH | 130.2  |                                   |
| SMC  | GINGIN GROUND   | 267.0  |                                   |
| SMCV | GINGIN GROUND   | 121.65 |                                   |
| TWR  | GINGIN TOWER    | 118.5  | 243.0 (1) 372 (2)                 |

(1) EMERG FREQ guarded

(2) Transmits voice in EMERG to ACFT with COM failure.

All ATS HO.

**RADIO NAVIGATION AND LANDING AIDS**

|     |     |            |           |            |                   |     |
|-----|-----|------------|-----------|------------|-------------------|-----|
| NDB | GIG | 372        | 312735.0S | 1155156.0E | Range 100 (HN 75) | (1) |
| TAC | PEA | 112.8/ 75X | 314026.0S | 1160103.0E |                   | (2) |

(1) Pilot monitored when TWR unmanned - 203/0.4 to ARP.

(2) 343/0.39 to PEARCE ARP, 329/14.79 to GINGIN ARP - LIMITATION: Reception unreliable BTN 020-150 BLW 12000FT due to terrain shielding and signal reflections. Range and BRG unlocks 325 to 350 at 35NM and at 45NM BTN 3000-4000FT. Limited due BRG oscillations of up to +/- 6 DEG BTN 35NM and 45NM at 2600FT on 190 radial. SUBJ INTRP cone of silence 067 DEG instead of 060 DEG. Information loss may be longer than expected.

**LOCAL TRAFFIC REGULATIONS**

Circuit training - civil aircraft:

- a. When undertaking circuit training outside of Pearce Restricted Area activation, all circuits must be conducted to a visual overshoot.
- b. Full stop and touch and go landings are not permitted, unless prior authorisation has been obtained from Pearce Airbase Command Post on 08 9571 7888.

**FLIGHT PROCEDURES**

1. Right hand CCTS RQ when OPR RWY 08.

**2. AIR TRAFFIC SERVICES**

- a. Class D ATS provided to MIL and AUTH CIV ACFT in accordance with Air Command Standing Instructions OPS 03-16 within Pearce RA.
- b. Other ACFT receive class C ATS with respect to all ACFT in Pearce RA. Class C VMC applies for all ACFT in Pearce RA, excluding Pearce and Gingin circuit area where class D VMC applies to MIL and AUTH CIV ACFT.

**3. REMOTELY PILOTED AIRCRAFT SYSTEMS (RPAS)**

3.1. See Pearce (YPEA) FAC for all RPAS requests in Pearce Restricted Areas.

**CTAF - AFRU 118.5**

**ADDITIONAL INFORMATION**

1. Animal hazards exists.
2. Wildlife management program ACT in VCY of AD. 10MIN PN RQ to vacate movement areas. Activity will be de-conflicted with planned flying. CS 'CHASER', PH 0407 232 172.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3351, 3462.
  2. MIL Aerodrome Obstruction Chart Type A: NOV 2017.
-



**GLADSTONE****ELEV 59****AVFAX CODE 4023**

QLD

235211S

1511322E

UTC +10

VAR 10 DEG E

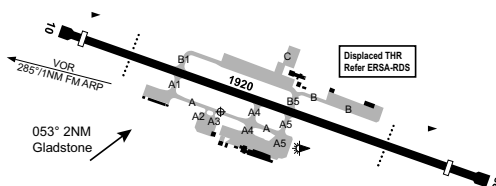
YGLA

CERT

AD OPR Gladstone Airport Corporation, PO Box 7200, Kin Kora, QLD, 4680.

Email: admin@gladstoneairport.com.au. PH 07 4977 8800. ARO Duty 07 4977 8812 (H24).

Fax 07 4978 1314.

**REMARKS**

- AD charges apply, refer to Gladstone Airport conditions of use document. CTC AD OPR by phone/email, 0830-1630 Local.
- For CHTR OPS 48 HR PN. CTC AD OPR by phone/email. 0830-1630 Local.
- This AD is a Security Controlled Airport. All pilots and operators must possess and display a current Aviation Security Identification Card (ASIC) when airside.
- Access to airside RPT aprons. CTC ARO by phone.
- PN for GA access outside 0900-2030 Local. CTC ARO by phone.

**HANDLING SERVICES AND FACILITIES**

VIVA: Phone 0427 239 293. Email: gladstonears@outlook.com. Refuelling operating hours 0600-1800 Local MON-FRI, 0600-1700 Local SAT, 0900-1800 Local SUN, 30 MIN PN required for JET A1. AH call-out fees apply. Swipe bowser AVGAS located GA apron via TWY A2 or A3. Viva fuel and Fly2Sky card, VIVA carnet card and credit cards (V and MC).

**RESCUE AND FIREFIGHTING SERVICES**

- CAT 6:
  - MON, WED and THU: 2020-1105 UTC.
  - TUE - 2020-0850 UTC.
  - FRI - 2020-1115 UTC.
  - SAT - 2015-0710 UTC.
  - SUN - 2325-1105 UTC.
- 131.0 MHz AVBL HO.

**APRONS AND TAXIWAYS**

- TWY A4 and A5 and A East of TWY A4 - PCN 42/F/B/1400/T.
- TWY A1 and A West of TWY A4 - PCN/16/F/B/1000/T.
- Southern helipads MAX D value 13M. Larger helicopters must use northern helipads.

**AERODROME OBSTACLES**

- Light poles, road signs and transient OBST up to 8.5FT ABV and at RWS end.
- Fence 41FT AMSL BRG 099 DEG MAG 0.6NM FM ARP. Infringes TKOF SFC by 2.3FT.
- Aerial 36FT AGL BRG 053 DEG MAG 0.1NM FM ARP. Infringes TNS by 3FT.
- Trees:
  - 133FT AMSL BRG 269 DEG MAG 800M FM ARP. Infringes TNS by 3.6FT.
  - 102FT AMSL BRG 274 DEG MAG 815M FM ARP. Infringes TNS by 4.2FT.
  - 125FT AMSL BRG 272 DEG MAG 832M FM ARP. Infringes TNS by 14.7FT.
  - 101FT AMSL BRG 275 DEG MAG 837M FM ARP. Infringes TNS by 5.9FT.
  - 117FT AMSL BRG 274 DEG MAG 905M FM ARP. Infringes TNS by 10.82FT.
  - 98FT AMSL BRG 277 DEG MAG 964M FM ARP. Infringes TNS by 8.2FT.
  - 117FT AMSL BRG 286 DEG MAG 1,496M FM ARP. Infringes RWY 28 TKOF SFC by 11.8FT.
  - 223FT AMSL BRG 092 DEG MAG 3,168M FM ARP. Infringes RWY 10 TKOF SFC by 55.7FT.

- i. 97FT AMSL BRG 091 DEG MAG 1,654M FM ARP. Infringes RWY 10 TKOF SFC by 28.5FT.
- j. 99FT AMSL BRG 093 DEG MAG 1,704M FM ARP. Infringes RWY 10 TKOF SFC by 26.5FT.
- k. 97FT AMSL BRG 094 DEG MAG 1,663M FM ARP. Infringes RWY 10 TKOF SFC by 26.5FT.
- l. 92FT AMSL BRG 095 DEG MAG 1,637M FM ARP. Infringes RWY 10 TKOF SFC by 23.2FT.
- m. 189FT AMSL BRG 095 DEG MAG 2,602M FM ARP. Infringes RWY 10 TKOF SFC by 57.4FT.
- n. 112FT AMSL BRG 104 DEG MAG 1,226M FM ARP. Infringes TNS by 11.8FT.
- o. 88FT AMSL BRG 104 DEG MAG 1,089M FM ARP. Infringes TNS by 1.6FT.
- p. 93FT AMSL BRG 105 DEG MAG 947M FM ARP. Infringes TNS by 3.2FT.
- q. 105FT AMSL BRG 106 DEG MAG 980M FM ARP. Infringes TNS by 4.2FT.
- 5. Lit obstacles:
  - a. Railway gantry 69FT AMSL BRG 290 DEG MAG 851M FM ARP.
  - b. Wind indicator 80FT AMSL BRG 295 DEG MAG 688M FM ARP.
  - c. APN lights 147FT AMSL. Infringes TNS.
- 6. Lit chimneys:
  - a. 504FT AMSL BRG 341 DEG MAG 2,025M FM ARP.
  - b. 505FT AMSL BRG 341 DEG MAG 2,130M FM ARP.
  - c. 501FT AMSL BRG 342 DEG MAG 2,234M FM ARP.

## METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT B, METAR/SPECI.
2. AWIS Phone 07 3564 3715 - Report faults to BoM.
3. AWIS FREQ 126.85 - Report faults to AD OPR.

## PHYSICAL CHARACTERISTICS

10/28 101 63a PCN 42 /F /B /1400 (203PSI) /T Grooved WID 30 RWS 150  
 Check APRONS AND TAXIWAYS for additional pavement information.

## AERODROME AND APPROACH LIGHTING

|           |      |                |             |               |
|-----------|------|----------------|-------------|---------------|
| RWY 10/28 | LIRL | AFRU+PAL 118.8 |             | SDBY PWR AVBL |
| RWY 10    | PAPI | AFRU+PAL 118.8 | 3.0 DEG53FT | SDBY PWR AVBL |
| RWY 10    | RTIL | AFRU+PAL 118.8 |             | SDBY PWR AVBL |
| RWY 28    | PAPI | AFRU+PAL 118.8 | 3.0 DEG52FT | SDBY PWR AVBL |

1. RWY 10/28 edge light spacing: 60M. LIRL white-coloured.
2. RWY 10 HIRL edge lights stages 4-6 AVBL by pilot request only white-coloured, yellow-coloured for the last 600M. Contact ARO Duty CTAF 118.8 0500-2030 Local. Phone 07 4977 8812 (H24) 20mins PN required.
3. THR: Green.
4. RWY ends: Red.

## OTHER LIGHTING

HBN To NE, SE & W of AD

1. Secondary PWR switchover time: 15 SEC.
2. TWY LGT: Blue Edge.
3. Taxi guidance beyond RWY THR: Blue - pavement ends.

## ATS AND AERODROME COMMUNICATION FACILITIES

FIA BRISBANE CENTRE 119.55 On ground

On ground COMMS may be available with ATS dependent on ACFT location, building shielding and railway activity.

## RADIO NAVIGATION AND LANDING AIDS

VOR GLA 116.3 235154.9S 1511215.9E (1)  
 (1) 105/1 NM to ARP. Possible excessive needle fluctuations BTN 275 and 300 radials BLW 10,000FT. Possible minor needle fluctuations on VOR RWY 28 APCH at and BLW 1,000FT.

## LOCAL TRAFFIC REGULATIONS

1. ACFT are required to use entire width of RWY to execute 180DEG turns.
2. Skid mounted ACFT are not permitted to park on sealed or asphalt aprons without AD OPR approval.
3. Due to limited PRKG non SKED ACFT ABV 5,700KG MTOW and Jet ACFT RQ AD OPR approval on 48 HR notice.
4. Parking on the RPT APN Bays 1-4 is restricted to RPT ACFT or ACFT approved by the AD OPR.
5. TWY A2, A3 and B5 unavailable to ACFT above 5,700KG MTOW.
6. TWY B west of TWY B5, TWY B1, northern ACFT storage APN and TWY C only AVBL with AD OPR approval.
7. RWY 10/28 intermediate turning nodes unlit.

## FLIGHT PROCEDURES

Right hand circuits required RWY 28.

**CTAF - AFRU 118.8**

## ADDITIONAL INFORMATION

1. High Intensity Lighting in vicinity of railway site on APCH to RWY 10.
2. Bird hazard exists. Species-specific NOTAM will be issued during periods of increased activity.
3. Bird hazard (lorikeets) ACT in VCY of THR RWY 28, particularly at dusk.

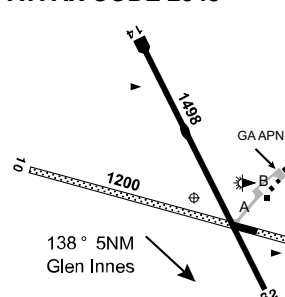
## CHARTS RELATED TO THE AERODROME

1. WAC 3235.
2. Aerodrome Obstacle Chart, Type A Charts: RWY 10/28, December 2018.
3. Also refer to AIP Departure and Approach Procedures.

## GLEN INNES

**ELEV 3431**

## AVFAX CODE 2043



NSW 294030S 1514122E UTC +10 YGLI  
VAR 11 DEG E CERT  
AD OPR Glen Innes Severn Council, PO Box 61, Glen Innes,  
NSW, 2370. PH MGR BH 02 6730 2347. ARO BH 0409 904 246  
AVBL AH for EMERG or aeromedical flights only.

## REMARKS

1. This AD is not a Security Controlled Airport.
2. AD charges: All ACFT.

## HANDLING SERVICES AND FACILITIES

Refuelling not AVBL.

## PASSENGER FACILITIES

WC/TX

## APRONS AND TAXIWAYS

1. Main APN: Bitumen.
2. TWY A: Bitumen, Code C, WID 15M, Outer Main Gear Wheel Span up to 9M.
3. TWY B: Bitumen, Code A, WID 7.5M, Outer Main Gear Wheel Span up to 4.5M, MTOW 3,500KG.

## AERODROME OBSTACLES

1. TWR x 3 LIOL 4,022FT AMSL BRG 163 MAG 2.4NM FM ARP.
2. Terrain 3,857FT AMSL BRG 050 MAG 1.8NM FM ARP.
3. Terrain 3,910FT AMSL BRG 187 MAG 3.6NM FM ARP.
4. Terrain 3,710FT AMSL BRG 193 MAG 2.5NM FM ARP.

## METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT D, METAR/SPECI.
2. AWIS PH 02 9353 6421 - Report faults to BoM.
3. AWIS FREQ 133.575 (requires one-second pulse to activate) - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

10/28

095 39c

Unrated. Gravel.

WID 30

RWS 90

14/32

143 49a

PCN 10 /F /D /700 (102PSI) /T

WID 30

RWS 150

AERODROME AND APPROACH LIGHTING

RWY 14/32 LIRL PAL 125.3  
RWY edge light spacing: 90M.

OTHER LIGHTING

1. Main APN flood-lit via PAL.
2. GA APN unlit.
3. TWY A, B hold lights at RWY 14/32 yellow. TWY B unlit.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA BRISBANE CENTRE 134.2 Circuit area

LOCAL TRAFFIC REGULATIONS

GA APN only AVBL to ACFT below 3,500KG MTOW.

CTAF 126.7

ADDITIONAL INFORMATION

Wildlife hazard may exist.

CHARTS RELATED TO THE AERODROME

1. WAC 3357.
2. Also refer to AIP Departure and Approach Procedures.

GLENAMPLE HELIPORT

ELEV 200

FULL NOTAM SERVICE NOT AVBL

VIC

UTC +10

YGBK

383937S

1430622E

VAR 11 DEG E

UNCR

AD OPR 12 Apostles Helicopters, Glenample, Princetown, VIC, 3269. PH 03 5598 8283.

REMARKS

1. HLS charges: \$50/landing.
2. PPR for all OPS - Phone 03 5598 8283.
3. Heliport closed before 0800 Local and after 1HR before sunset daily.

HANDLING SERVICES AND FACILITIES

12 Apostles Helicopters: 0830-1700 Local DLY (later in summer). PN required 03 5598 8283.  
JET A1 and AVGAS AVBL, V and MC.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA MELBOURNE CENTRE 125.8

FLIGHT PROCEDURES

No flying over adjacent visitor facilities to the S - all approaches and DEP to the N, E or W.

CTAF 127.1

CHARTS RELATED TO THE AERODROME

WAC 3469.

GLENBROOK HLS

ELEV 645

AVFAX CODE 2006

NSW

UTC +10

YGBK

334542S

1503810E

VAR 12 DEG E

MIL

AD OPR Airbase Command Post, RAAF Glenbrook, NSW, 2773. Email: gln.abcp@defence.gov.au.  
PH 02 4737 7888. Mobile 0438 644 208.

REMARKS

PPR 24HR PN. Contact AD OPR.

RESCUE AND FIREFIGHTING FACILITIES

RFFS limited to two fire bottles on HLS and civilian response.

**AERODROME OBSTACLES**

Windsock located 59M S of landing pad.

**PHYSICAL CHARACTERISTICS**

Grass HLS, on open area abutting road, landing pad marked by white H.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA SYDNEY CENTRE

124.55 Circuit area

GLENBROOK OPERATIONS AVBL on 118.05 (PPR 24HR PN, only active during expected movements).

**FLIGHT PROCEDURES**

Two recommended approach corridors:

- a. Corridor 1 - Bearing 056° (Approach)/ 236° (Departure)

Caution:

Trees - 63M distance, 7M high, bearing 055°, 7.95° gradient (~5.6° from centre of landing pad)

Tree - 49M distance, 16M high, bearing 019°, 14° gradient (outside of corridor)

- b. Corridor 2 - Bearing 260° (Approach)/ 080° (Departure)

Caution:

Trees - 26M distance, 5M high, bearing 078°, 12.9° gradient (~8.5° from centre of landing pad)

Tree - 77M distance, 17M high, bearing 068°, 13.1° gradient (outside of corridor)

**CTAF** 126.7

**CHARTS RELATED TO THE AERODROME**

WAC 3456.

**GLENORMISTON**

**ELEV 519**

**FULL NOTAM SERVICE NOT AVBL**

QLD

UTC +10

YGLO

225320S

1384927E

VAR 6 DEG E

UNCR

AD OPR North Australian Pastoral Company, PMB 31, Glenormiston, Mount Isa, QLD, 4825.

Email: glenormiston.admin@bigpond.com. PH 07 4746 1211. Fax 4746 1237.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

122.4 FL200

**CTAF** 126.7

**CHARTS RELATED TO THE AERODROME**

WAC 3233.

**GNARWARRE**

**ELEV 420**

**FULL NOTAM SERVICE NOT AVBL**

VIC

UTC +10

YGNE

380954S

1440627E

VAR 11 DEG E

UNCR

AD OPR North Park, 345 Gnarwarre Road, Gnarwarre, VIC, 3221.

Email: nicolefobawpa@protonmail.com. PH 0429 999 824.

**REMARKS**

Prior permission required.

**PHYSICAL CHARACTERISTICS**

RWY 06/24 length 950M, SFC unrated, grass. WID 15M.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE

126.8

FIA MELBOURNE CENTRE

134.325

**FLIGHT PROCEDURES**

Right hand CCTS required when OPR on RWY 24.

**CTAF** 119.0

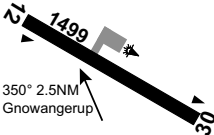
CHARTS RELATED TO THE AERODROME

WAC 3469, 3470.

GNOWANGERUP

ELEV 920

AVFAX CODE 6314



350° 2.5NM  
Gnowangerup

WA  
335837S  
AD OPR Shire of Gnowangerup, 28 Yougenup Rd, Gnowangerup, WA, 6335. Email: gnpshire@gnowangerup.wa.gov.au. PH 08 9827 1007: AD MGR 0499 899 423. Fax 08 9827 1409.

UTC +8  
VAR 1 DEG W

YGNW  
CERT

REMARKS

- 1. Nil AD charges.
- 2. PPR for all night OPS.

PASSENGER FACILITIES

LG/WC (for access to terminal airside - see notice on side door). Mobile phone coverage (Telstra only).

PHYSICAL CHARACTERISTICS

12/30            123    49a    PCN 12 /F /C /1000 (145PSI) /U                            WID 30    RWS 90

AERODROME AND APPROACH LIGHTING

RWY 12/30    LIRL(1)    PAL 120.15

- (1) LIRL HN-EMERG only.
- RWY 12/30 edge light spacing: 60M.

OTHER LIGHTING

TWY light: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA            MELBOURNE CENTRE            125.4 2000FT

LOCAL TRAFFIC REGULATIONS

- 1. ACFT to make 180 DEG turns on RWY at MAX RAD, MNM speed.
- 2. PRKG Bay restrictions:
  - a. Bay 1A unavailable when Bay 1 is occupied.
  - b. Bay 1 unavailable when Bay 1A is occupied.
  - c. Access to APN from TWY is unavailable when Bay 1A is occupied.
  - d. Access to TWY from APN is unavailable when Bay 1A is occupied, with the exception of the ACFT occupying Bay 1A.
- 3. PRKG:
  - a. Bay 1: PC24, SF34
  - b. Bay 1A: AT75, DH8C - Prior approval required from AD Manager/ARO.
  - c. GA ACFT contact AD MGR for PRKG information.
- 4. ACFT departing Bays 1 and 1A to use idle power after initiating taxi until ACFT is clear of the APN.

FLIGHT PROCEDURES

All ACFT are requested to overfly before joining the circuit.

CTAF 126.7

ADDITIONAL INFORMATION

Fully fenced.

CHARTS RELATED TO THE AERODROME

- 1. WAC 3462.
- 2. Also refer to AIP Departure and Approach Procedures.

**GOLD COAST****ELEV 21****AVFAX CODE 4011**

QLD

UTC +10

YBCG

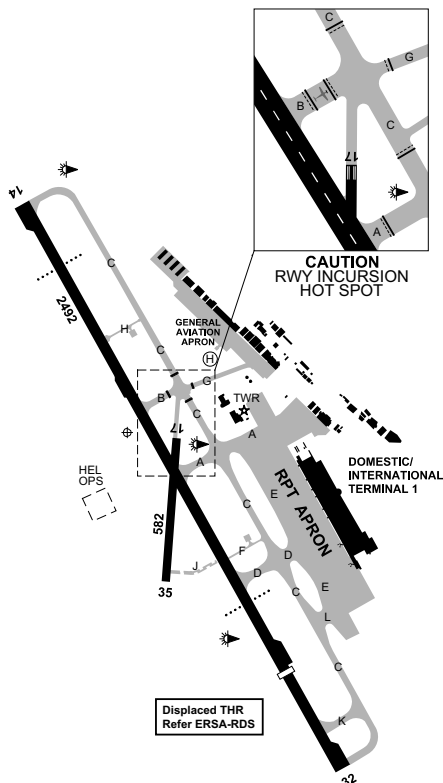
280952S

1533017E

VAR 11 DEG E

CERT

AD OPR Gold Coast Airport Pty Limited, Level 1, Airport Central, 1 Eastern Avenue, Bilinga, QLD, 4225. PH 07 5589 1100. ARO 0407 755 722 AH.

**REMARKS**

1. AD Charges: All ACFT.
2. This AD is a Security Controlled Airport.
3. All pilots and operators must possess and display a current Aviation Security Identification Card (ASIC) when airside.

**HANDLING SERVICES AND FACILITIES**

Air BP: Phone 0488 429 471, 0700-1600 Local MON-SUN. AH call-out fee applies. AVGAS, JET A1, JET A1-FSII, Shell lubricants.

Platinum Business Aviation Centre: Office HR 2100-0700 UTC MON-FRI, AH 2HR PN call 07 5688 6600, call-out fee applies. VHF 131.975 MHz, JET A1, Carnet, UVAIR, World Fuel, Jetex, DC, V, MC, AMEX. Ramp parking/hangarage on request, full FBO facility and all associated services AVBL.

Ampol: 2100-0900 UTC DLY, Phone 07 5688 6690, AH 0439 307 259. AH by arrangement. JET A1, O125, O156. AH call-out fee \$50.

## General

AD OPR does not provide ACFT marshalling services. All requests for ACFT marshalling should be directed to the Airlines or a FBO (if applicable).

## PASSENGER FACILITIES

PT/TX Regent (07 5588 1234 - Tweed 07 5536 1144)/HC main terminal/BU/RF/WC/ME

## RESCUE AND FIREFIGHTING SERVICES

1. CAT 8
  - a. MON, WED, FRI and SUN: 1945-1220 UTC.
  - b. TUE, THU, SAT: 1945-1230 UTC.
2. 131.0 MHz AVBL HO.
3. Water Rescue Service AVBL.

## APRONS AND TAXIWAYS

1. RPT Apron - single Code E/Dual Code C MARS configuration.
2. RPT Apron - parking bays sequenced from Bay 1 at the north-eastern end of the apron through to Bay 10 at the south.
3. TWY H and F not AVBL to ACFT ABV 5,700KG.
4. TWY J grass not AVBL to ACFT ABV 5,700KG.
5. TWY G - ACFT ABV 5,700KG require pavement concessions.
6. TWY B ACFT holding for RWY 14 over 15M length infringe RWY 17.
7. ACFT Code B and ABV landing RWY 14 first AVBL TWY is A, unless otherwise advised by ATC.

## AERODROME OBSTACLES

1. Glidepath mast (lit) 67.52FT AMSL BRG 315 DEG MAG 643M FM ARP.
2. Localiser antenna (lit) 19.23FT AMSL BRG 136 DEG MAG 1,831M FM ARP.
3. Fence (lit) 15FT AMSL chainage 2,350-2,492M FM SOT RWY 14 offset 80M FM RWY CL.
4. Vent pipe (lit) 19FT AMSL BRG 140 DEG MAG 1,377M FM ARP.
5. Power pole (unlit) 245FT AMSL BRG 308 DEG MAG 2,462M FM ARP.
6. Pine tree (unlit) 76.5FT AMSL BRG 323 DEG MAG 1,645M FM ARP.
7. Multiple trees within an arc BRG 142-309 DEG MAG 607M-1,129M FM ARP. Infringe the TNS.
8. Towers (lit):
  - a. 418FT AMSL BRG 293 DEG MAG 5,998M FM ARP.
  - b. 293.6FT AMSL BRG 310 DEG MAG 3,725M FM ARP.
  - c. 300.2FT AMSL BRG 103 DEG MAG 2,868M FM ARP.
  - d. 344.5FT AMSL BRG 106 DEG MAG 3,314M FM ARP.
  - e. 300.2FT AMSL BRG 309 DEG MAG 3,706M FM ARP.
  - f. 943FT AMSL BRG 210 DEG MAG 8,211M FM ARP.
  - g. 219.8FT AMSL BRG 148 DEG MAG 5,129M FM ARP.
  - h. 105FT AMSL BRG 130 DEG MAG 2,800M FM ARP.
  - i. 432.5FT AMSL BRG 238 DEG MAG 2.49NM FM ARP.
  - j. 1,045.6FT AMSL BRG 216 DEG MAG 5.88NM FM ARP.
  - k. 82FT AGL BRG 106 DEG MAG 3,314M FM ARP. Infringes inner HZS by 124FT.
9. Buildings:
  - a. John Flynn Hospital (unlit) 224FT AMSL BRG 296 DEG MAG 1,971M FM ARP.
  - b. Nirvana (unlit) 184FT AMSL BRG 088 DEG MAG 2,262M FM ARP.
  - c. 171FT AMSL BRG 078 DEG MAG 2.36NM FM ARP.
10. Buildings (lit):
  - a. 272FT AMSL BRG 085 DEG MAG 3,369M FM ARP.
  - b. 269FT AMSL BRG 085 DEG MAG 3,470M FM ARP.
  - c. 285.4FT AMSL BRG 123 DEG MAG 6,002M FM ARP.
  - d. 272FT AMSL BRG 085 DEG MAG 3,211M FM ARP.
  - e. 1,097FT AMSL BRG 326 DEG MAG 19,015M FM ARP.
  - f. 293.6FT AMSL BRG 316 DEG MAG 5,178M FM ARP.
  - g. 246FT AMSL BRG 089 DEG MAG 4,176M FM ARP.
  - h. 279.5FT AMSL BRG 085 DEG MAG 3,139M FM ARP.
  - i. 269FT AMSL BRG 086 DEG MAG 2.06NM FM ARP.
  - j. 220FT AMSL BRG 079 DEG MAG 2.43NM FM ARP.



11. Houses (unlit):
  - a. 245FT AMSL BRG 311 DEG MAG 2,440M FM ARP.
  - b. 152.5FT AMSL BRG 326 DEG MAG 3,066M FM ARP.

### METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT A, TAF3 H24, METAR/SPECI, AD WRNG, WS WRNG.
2. AWIS Phone 07 3564 3713 - Report faults to BoM.
3. AWIS FREQ 134.5 AVBL outside TWR HR - Report faults to AD OPR.

### PHYSICAL CHARACTERISTICS

|       |     |     |                                        |        |         |
|-------|-----|-----|----------------------------------------|--------|---------|
| 14/32 | 139 | 82a | PCN 61 /F /A /1750 (254PSI) /U Grooved | WID 45 | RWS 300 |
| 17/35 | 173 | 19a | 5700/1000 (145PSI) Unrated.            | WID 18 | RWS 90  |

### AERODROME AND APPROACH LIGHTING

|           |      |                |             |               |
|-----------|------|----------------|-------------|---------------|
| RWY 14/32 | HIRL |                |             | SDBY PWR AVBL |
| RWY 14/32 | MIRL | AFRU+PAL 118.7 |             | SDBY PWR AVBL |
| RWY 14/32 | RTIL |                |             |               |
| RWY 14    | PAPI | AFRU+PAL 118.7 | 3.0 DEG63FT | SDBY PWR AVBL |
| RWY 32    | PAPI | AFRU+PAL 118.7 | 3.0 DEG53FT | SDBY PWR AVBL |

RWY edge light spacing: 14/32 HIRL: 60M. White FM THR to 600M FM RWY end.  
 Yellow Final 600M to RWY end; MIRL: 60M. White.

### OTHER LIGHTING

- ABN                      ALTN 8 WG
1. Secondary PWR switchover time during TWR HR: 1 SEC during LVP; 15 SEC OT.
  2. TWY LGT: Green CL on A, B, C, D, E, G, K and L.
  3. RWY 14/32 and 17/35: RWY guard lights OPR at RWY holding points.
  4. RWY guard LGT not provided on TWY J.
  5. TWY centreline lighting not present along transition between TWY B and TWY G.

### ATS AND AERODROME COMMUNICATION FACILITIES

|      |                     |                                             |
|------|---------------------|---------------------------------------------|
| FIA  | BRISBANE CENTRE     | 119.5 On ground (outside Gold Coast TWR HR) |
| ACD  | GOLD COAST DELIVERY | 128.75 (3)                                  |
| ACD  | GOLD COAST GROUND   | 121.8                                       |
| APP  | BRISBANE APPROACH   | 123.5                                       |
| ATIS | GOLD COAST          | 112.3 (1) 134.5 (2)                         |
| SMC  | GOLD COAST GROUND   | 121.8                                       |
| TWR  | GOLD COAST TOWER    | 118.7 121.8                                 |

(1) H24

(2) TWR HR only

(3) ACFT DEP Gold Coast must REQ CLR or PDC readback

1. TWR HR - 1955-1300 UTC DLY.

2. Outside TWR HR, Gold Coast Class C airspace BLW 3,500FT becomes Class G.

3. Flight details and clearance requests should be advised to Brisbane Centre well before the CTR boundary. Pilots submitting details should prefix these requests with the phrase "Flight Details". Pilots should NOT contact Gold Coast TWR to submit Inbound/Transiting details.

4. ATIS AVBL Phone 07 5599 5910.

### RADIO NAVIGATION AND LANDING AIDS

|     |     |                    |           |            |                  |
|-----|-----|--------------------|-----------|------------|------------------|
| DME | CG  | 112.3/ 70X         | 281008.1S | 1533014.2E | (1)              |
| NDB | CG  | 278                | 280953.5S | 1533004.0E | Range 60 (HN 60) |
| VOR | CG  | 112.3              | 281008.2S | 1533014.7E |                  |
| DME | ICG | 111.1/ 48X (RWY14) | 280934.5S | 1533004.2E | (3)              |
| GP  | ICG | 331.7 (RWY14)      | 280934.4S | 1533004.4E | (2)              |
| ILS | ICG | 111.1 (RWY14)      | 281042.4S | 1533052.8E |                  |
| LOC | ICG | 111.1 (RWY14)      | 281042.4S | 1533052.8E |                  |

(1) Antenna ELEV 38 FT.

(2) Coverage limited to within 5 degrees W of the extended RWY CL, due to terrain shielding.

(3) Poor DME coverage at or below 3000FT beyond 17NM, W of the extended RWY CL.  
 Antenna ELEV 33FT.

## LOCAL TRAFFIC REGULATIONS

1. RWY 14 - ACFT ABV 136,000KG landing RWY 14 must roll through and exit RWY via TWY K to avoid pavement damage from heavy braking. ACFT BLW 136,000KG landing RWY 14 can exit via TWY D if heavy braking not required.
2. All aircraft must provide their parked position/gate number to ATC on acknowledgement of airways clearance.
3. Pilots are encouraged to request "detailed taxi guidance" prior to landing or taxiing for departure or request follow-me service once on ground frequency if unsure of parking bay.
4. **Runway Incursion Hotspots**
- 4.1. RWY 17/35 at TWY B (Holding Point B RWY 17 is very close to the gable line for RWY 14).
- 4.2. RWY 35 after landing RWY 32 (RWY 35 often mistaken for an angled TWY).
5. LOCAL HELICOPTER OPS are to be conducted on the Western Grass which is the area contained by the blue gable markers to the west of RWY14/32 and north of the VOR. The Western Grass is not a designated helicopter landing site and separation is not provided between aircraft and/or obstructions on the ground while operating within the confines of the Western Grass. Upwind and final legs of Western Grass circuit operations are to be conducted parallel to RWY 14/32 unless otherwise approved by ATC.
6. **Training and Airwork Flights**
  - a. Circuit training see Noise Abatement
  - b. Circuit and Western Grass helicopter bookings, pilots must book a slot online at [www.bookawk.com](http://www.bookawk.com).
  - c. IAL Training: Pilots must book a slot online at [www.bookawk.com](http://www.bookawk.com). ILS training for ACFT BLW 5,700KG MTOW will not be approved outside 0900-1700 Local. Pilots must contact Brisbane Centre 07 3866 3694 for AWK ABV 1,500FT
  - d. NDB - A and VOR - A approaches will not normally be approved.
  - e. Training operations contrary to the prevailing traffic pattern/operational runway direction will not normally be approved.
  - f. HEL with skid landing gear not permitted to complete touch and go circuit training on paved SFC due to pavement damage.
7. Occasionally, TCAS advisories for ACFT operating in Gold Coast Terminal Control Area may occur due ATC procedures affecting VFR ACFT.
8. Pilots planned to BN must obtain a slot time for Brisbane prior to engine start, in accordance with BN INTL Air Traffic Flow Management Procedures (See BRISBANE INTL entry).
9. Pilots should ensure flight plan details are submitted for flight in Gold Coast Class C airspace, preferably through NAIPS or Flightwatch, well in advance of requesting SSR code allocation. Failure to do so will result in delays for airways clearance. The SSR code request is to be made on the appropriate FIA frequency. Pilots who are squawking an assigned discrete code may call Gold Coast TWR on 118.7 directly for airways clearance at or BLW 1,500FT.
10. Flights planned to depart Gold Coast above 6,000FT can expect airways clearance at 6,000FT. Higher levels can be anticipated on APP CTL FREQ.
11. Fixed and rotary wing ACFT are not to perform engine ground runs and related static operations on the GA APN and should utilise provided run-up bays.
12. **PARKING**

Overnight parking is no longer AVBL for all aircraft above 5,700KG MTOW, except for RPT aircraft. Itinerant parking requirements is available for 2HR or less, this will require prior approval FM airport management with a MNM notice of one clear working day (MON-FRI). Itinerant ACFT under 5,700KG must park north of TWY G, at the northern end of the GA APN.
13. **TWY K DEPARTURES**

ACFT departing RWY 32 must use TWY K intersection for departure. Full length AVBL if operationally required.
14. No HEL air taxi on the GA APN. HEL OPS limited to aiming point and HEL PRKG area only.
15. HEL OPS from the aiming point not available to or adjacent to TWY G, east of the air traffic control tower or south of TWY G.

## FLIGHT PROCEDURES

### 1. **ATC TRAFFIC MANAGEMENT SPEED**

When **not** on a SID or STAR (including vectoring) - ACFT ARR or DEP CG must not exceed 250KT IAS when BLW 10,000FT AMSL. Advise ATC if a higher speed is operationally required.

2. Circuits from the Western Grass are to be conducted with upwind legs to remain inside the airport boundary fence and base turns to be made within the RWY14/32 threshold markers.

### 3. **COASTAL TRANSIT IN CLASS G AIRSPACE**

Due to high density traffic in coastal Class G Airspace between Cudgen Headland and Hastings Point, fly;

a. Southbound 1,000FT AMSL.

b. Northbound 500FT AMSL.

**Concentrated TFC BTN Gold Coast and Southport at 500FT, see also SOUTHPORT CTAF procedures.**

4. Aircraft requiring a transit of the GC CTR should plan to track via the VFR route depicted on the VTC as follows:

Northbound transit via the highway (inland) and contact Tower 118.7 approaching Cudgen Lake for ATC clearance.

Southbound transit via the highway (inland) and contact Tower 118.7 approaching Robina Town Centre for ATC clearance. Aircraft requiring to transit the CTR coastal may experience delays due high density traffic.

### **CTAF - AFRU 118.7**

Outside TWR HR.

## NOISE ABATEMENT PROCEDURES

1. A Curfew and Noise Abatement Procedures apply. See AIP DAP.

2. The preferred RWY for takeoff and landing is RWY 14.

3. Circuit training:

a. Not permitted BTN 1200-2000 UTC;

b. Where possible circuits should be distributed equally left and right of the RWY in use.

4. Preferred flight paths for turbojet and non turbojet ACFT ABV 5,700KG MTOW are contained in AIP DAP.

5. Outside TWR HR pilots are requested to use the same RWY for DEP and ARR - if operationally acceptable.

6. RWY 14 INSTR APCH PROC for turbojet and non turbojet ACFT ABV 5,700KG MTOW - noise preferred RWY 14 APCH:

a. RNP W RWY 14, RNP Y RWY 14;

b. RNP Z RWY 14;

c. ILS RWY 14 (training and recency not permitted).

To minimise noise, NDB or VOR RWY 14 only AVBL when operationally RQ.

## ADDITIONAL INFORMATION

1. Bird Hazard exists. Increased numbers of the following species are expected during the specified times:

a. MAR to MAY - increased flying-fox numbers present after dark, peak activity around dusk.

b. JUL to MAR - flocks of small birds feeding in air above runway and short final including fairy martin, welcome swallow, tree martin and white-throated needletail.

c. FEB to JUN - black kite may be present. Activity focuses foraging above runway between 1000-1500 Local with increased temperatures.

d. APR to OCT - increased masked lapwing activity. Activity focuses NE and SE corners of airfield day or night.

e. Increased bird activity during and post rainfall and adverse weather events including Australian white ibis, straw-necked ibis and silver gulls.

f. Species specific NOTAM will be issued during periods of increased activity.

2. Potential of BLDG induced wind TURB on RWY 32 when the wind speed is greater than 28KT FM NNE to ENE.

CHARTS RELATED TO THE AERODROME

1.

WAC 3357.
2.

Aerodrome Obstruction Chart Type A (October 2022).
3.

Also refer to AIP Departure and Approach Procedures.

GOLDEN GROVE

ELEV 1183

AVFAX CODE 6008

WA

284554S

1165818E

AD OPR Golden Grove Operations Pty Ltd, PMB 7, Geraldton, WA, 6531.

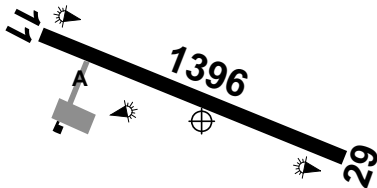
Email: donna.cook@29metals.com. PH 0407 609 484 H24. ARO 0457 761 542.

UTC +8

VAR 0 DEG W

YGGE

CERT



REMARKS

Restricted OPS. PPR from AD OPR.

HANDLING SERVICES AND FACILITIES

Nil fuel AVBL.

AERODROME OBSTACLES

1.

Unlit terrain:

a.

1,394FT AMSL BRG 199 MAG 1.0NM FM ARP. Infringes inner HZS by 76FT.

b.

1,473FT AMSL BRG 208 MAG 2.3NM FM ARP. Infringes conical SFC by 29FT.

c.

1,404FT AMSL BRG 270 MAG 1.9NM FM ARP. Infringes inner HZS by 87FT.

d.

1,345FT AMSL BRG 275 MAG 2.2NM FM ARP. Infringes inner HZS by 28FT.

2.

Masts:

a.

Unlit 1,352FT AMSL BRG 220 MAG 0.8NM FM ARP. Infringes inner HZS by 34FT.

b.

Unlit 1,343FT AMSL BRG 221 MAG 0.9NM FM ARP. Infringes inner HZS by 25FT.

c.

Unlit 1,365FT AMSL BRG 306 MAG 1.8NM FM ARP. Infringes inner HZS by 48FT.

d.

Lit 1,427FT AMSL BRG 307 MAG 1.8NM FM ARP. Infringes inner HZS by 110FT.

METEOROLOGICAL INFORMATION PROVIDED

1.

TAF CAT C, METAR/SPECI.
2.

AWIS FREQ 122.375 - (requires two one-second pulse to activate) - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

11/29      117    46a    PCN 19 /F /A /805 (117PSI) /U Sealed      WID 30    RWS 90

AERODROME AND APPROACH LIGHTING

RWY 11/29

LIRL

PAL 126.7

SDBY PWR AVBL BY PRIOR ARRANGEMENT

RWY 11/29

PTBL(1)

BY PRIOR ARRANGEMENT

(1)

60MIN PN.

RWY edge light spacing: 11/29: 60M.

OTHER LIGHTING

1.

SDBY PWR manually activated with 15MIN PN. CTC ARO.
2.

TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

MELBOURNE CENTRE

124.8 Circuit Area

UNICOM

GOLDEN GROVE UNICOM

126.7 (1)

(1)

CS "Golden Grove UNICOM", only AVBL for scheduled flights.

LOCAL TRAFFIC REGULATIONS

ACFT ABV 3,500KG MTOW must turn at RWY ends only. MAX radius MNM speed turns.

CTAF 126.7

ADDITIONAL INFORMATION

Blasting OPS at Gossan Hill pit. ACFT are requested to avoid flying over Gossan Hill due to blasting. Centre of circle area is: 284639.80S 1165750.40E with a radius of 650M and diameter 1,300M.

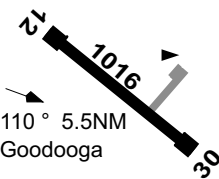
CHARTS RELATED TO THE AERODROME

1. WAC 3351.
2. Also refer to AIP Departure and Approach Procedures.

GOODOOGA

ELEV 459

AVFAX CODE 2217



NSW  
290424S  
AD OPR Brewarrina Shire Council, PO Box 125, Brewarrina, NSW,  
2839. PH 02 6839 2106. ARO AH 0429 392 001.

UTC +10  
VAR 10 DEG E

YGDA  
CERT

REMARKS  
AD not AVBL to ACFT ABV 5,700KG.

PHYSICAL CHARACTERISTICS

12/30      121   33c   5700/450 (65PSI) Sealed

WID 18    RWS 90

AERODROME AND APPROACH LIGHTING

RWY 12/30    PTBL(1)

(1)    EMERG only.

BY PRIOR ARRANGEMENT

ATS AND AERODROME COMMUNICATION FACILITIES

FIA      BRISBANE CENTRE

118.95 FL200

CTAF 126.7

ADDITIONAL INFORMATION

Animal hazard exists.

CHARTS RELATED TO THE AERODROME

WAC 3356.

GOOLGOWI

ELEV 400

FULL NOTAM SERVICE NOT AVBL

NSW  
335931S  
AD OPR Carrathool Shire Council, PO Box 12, Goolgowi, NSW, 2652.  
PH AD MGR BH 02 6965 1900: MOB 0408 846 507. ARO 0429 690 050. Fax 02 6965 1379.

UTC +10  
VAR 11 DEG E

YGGI  
UNCR

PHYSICAL CHARACTERISTICS

02/20      35c   Unrated. Grass. RWY LEN 1,080M.

WID 75

ATS AND AERODROME COMMUNICATION FACILITIES

FIA      MELBOURNE CENTRE

134.65

CTAF 126.7

CHARTS RELATED TO THE AERODROME

WAC 3457.

**GOOLWA**

SA

352855S      1384505E

AD OPR Goolwa Airport, PO Box 445, Goolwa, SA, 5214.

PH 08 8555 4030: 0415 470 240.

**REMARKS**

1.    PPR.

2.    AD Charges based on MTOW.

**HANDLING SERVICES AND FACILITIES**

JET A1 and AVGAS AVBL at card swipe bowser. PH ARO MOB 0830-1700 Local.

**ELEV 104**

**FULL NOTAM SERVICE NOT AVBL**

UTC +9:30      YGWA

VAR 8 DEG E      UNCR

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA      ADELAIDE CENTRE      130.45 Circuit area

**FLIGHT PROCEDURES**

1.    Right hand CCTS REQ when OPR on RWY 01, RWY 09 and RWY 34.

2.    Mid-field, crosswind circuit entries not permitted.

**CTAF** 126.95

**ADDITIONAL INFORMATION**

1.    Bird hazard exists.

2.    PJE OPS HJ - contact AD OPR.

3.    A Fly Neighbourly protection area has been established around Waitpinga Cliffs on Fleurieu Peninsula. Refer to ERSa GEN Special Procedures FN 13 for detailed information.

**CHARTS RELATED TO THE AERODROME**

WAC 3458, 3459.

**GOONDIWINDI**

QLD

283117S      1501913E

AD OPR Goondiwindi Regional Council, LMB 7, Inglewood, QLD, 4387.

PH 07 4671 1512.

**HANDLING SERVICES AND FACILITIES**

Lowes Petroleum Services: AVGAS Bowser OPT will accept Lowes account cards and credit cards. Call-out fee applies if needed on site.

JET A1 - Drum fuel only. BH PH 07 4671 3780, Emergency: Kevin 0427 657 763 or Wayne 0447 868 586.

**ELEV 714**

**AVFAX CODE 4033**

UTC +10      YGDI

VAR 11 DEG E      CERT

**AERODROME OBSTACLES**

1.    LIOL Mast 895FT AMSL, 057MAG 2,334M FM RWY 04 SOT, infringe Inner HZS, hazard lit HN.

2.    LIOL Mast 879FT AMSL, 204MAG 2,856M FM RWY 22 SOT, infringe Inner HZS, hazard lit HN.

**METEOROLOGICAL INFORMATION PROVIDED**

METAR/SPECI.

**PHYSICAL CHARACTERISTICS**

04/22   032   44b   PCN 4 /F /B /690 (100PSI) /U Central 18(60) sealed      WID 30      RWS 90

12/30   121   26c   Unrated. Grey clay. CAUTION: Loose stones.      WID 30      RWS 90

**AERODROME AND APPROACH LIGHTING**

RWY 04/22 LIRL AFRU+PAL 126.7

SDBY PWR AVBL

RWY edge light spacing: 04/22: 90M.

**OTHER LIGHTING**

1. Secondary PWR switchover time: 15SEC.
2. TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

123.95 3500FT

**CTAF - AFRU** 126.7**ADDITIONAL INFORMATION**

Bird hazard exists.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3357.
2. Also refer to AIP Departure & Approach Procedures.

**GOSFORD HOSPITAL****ELEV 210****AVFAX CODE 2083****FULL NOTAM SERVICE NOT AVBL**

NSW

UTC +10

YXGS

332511S

1512021E

VAR 12 DEG E

UNCR

AD OPR Central Coast Local Health District, Holden Street, Gosford, NSW, 2250.

Email: priscilla.jones@health.nsw.gov.au. PH 02 4320 2593. PH AH 02 4320 2111

(Hospital Switchboard). Request to be put through to the AH Nurse Manager.

Website: www.cclhd.health.nsw.gov.au.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA SYDNEY CENTRE

125.8

**CTAF** 126.7**CHARTS RELATED TO THE AERODROME**

1. WAC 3456.
2. Also refer to AIP Departure and Approach Procedures.

**GOULBURN****ELEV 2141****AVFAX CODE 2112**

NSW

UTC +10

YGLB

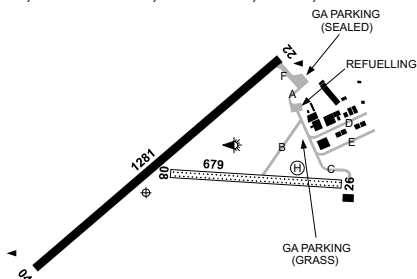
344837S

1494335E

VAR 12 DEG E

CERT

AD OPR John Ferrara Pty Ltd, PO Box 844, Goulburn, NSW, 2580. ARO 0403 368 933.

**REMARKS**

1. AD Charges: All ACFT.
2. PPR for OPS on TWY A PRKG bay. CTC ARO 0403 368 933.
3. RWY 04/22 not AVBL to ACFT BLW 650KG on weekends EXC with 60MIN PN to ARO.
4. TWY D access:
  - a. Per movement BLW 1.5 tonne \$20.00 plus GST.
  - b. Per movement ABV 1.5 tonne CTC AD OPR or \$100.00 plus GST.

HANDLING SERVICES AND FACILITIES

AVGAS Bowser H24 (Credit Card and Aero Refuellers card only). JET A1 from tanker. Call-out fee H24. Phone 0403 368 933.

METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT D, METAR/SPECI.
2. AWIS PH 02 9353 6422 - Report faults to BoM.
3. AWIS FREQ 136.30 (requires one-second pulse to activate) - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

04/2203542aPCN 17 /F /A /700 (102PSI) /TWID 30RWS 90

08/2608022cUnrated. Grassed red clayWID 30RWS 70

AERODROME AND APPROACH LIGHTING

RWY 04/22LIRLPAL+AA 119.6

OTHER LIGHTING

TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

FIAMELBOURNE CENTRE121.2 to E - On ground (121.2)

FIAMELBOURNE CENTRE124.1 to W

RADIO NAVIGATION AND LANDING AIDS

NDBGLOB407344825.8S1494413.8ERange 40 (HN 40)(1)

(1) Pilot Monitored

LOCAL TRAFFIC REGULATIONS

PRKG not AVBL on central grassed area TWY A, TWY B, APN and both RWY due PJE OPS.

CTAF - AFRU 127.15

ADDITIONAL INFORMATION

1. Ultralight training activity in vicinity of AD.
2. PJE OPS FM FL150 OHD AD. Intensive PJE activity on weekends.
3. MIL PJE OPS may occur HJ HN, WI 25NM radius AD, exit height up to FL250. During validity of any MIL PJE NOTAM, all ACFT are requested to contact CS SNOWBIRD or DZSO on CTAF 127.15 prior to start up at AD or MNM 25NM from AD on arrival. Canopies can be high opening and transiting to land at AD for up to 30MIN. Refer to MIL PJE NOTAM for current DZSO contact details and operating area.
4. Glider OPS at Towrang airstrip, 035 DEG 12NM to NE Goulburn, JF HJ. Winch launch to 4,500FT. Goulburn CTAF 127.15 monitored by gliders.

CHARTS RELATED TO THE AERODROME

1. WAC 3456, 3457.
2. Also refer to AIP Departure and Approach Procedures.

GOVE

ELEV 205

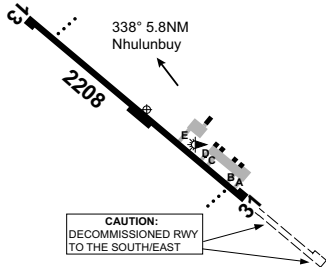
AVFAX CODE 8009

NTUTC +9:30YPGV

121609S1364906EVAR 4 DEG ECERT

AD OPR Nhulunbuy Corporation, PO Box 345, Nhulunbuy, NT, 0881. Email: mac@ncl.net.au.

PH AD 08 8987 1370 or 0448 863 903: H24 0428 962 606.





**REMARKS**

- AD Charges: All ACFT.
- This AD is a Security Controlled Airport.
- PPR from AD OPR for all ACFT OPS ABV 64,000KG MTOW.

**HANDLING SERVICES AND FACILITIES**

Viva Energy Aviation: Aviation Fuel Services JET A1 2130-0730 UTC, 0488 707 803, AH by prior arrangement, call-out fee applies. Fuel2Sky Carnet cards or credit cards (V and MC). H24 AVGAS bowser.

**PASSENGER FACILITIES**

LG/HC/RF/WC/TX.

**APRONS AND TAXIWAYS**

- TWY C WID 20M sealed and lit.
- TWY A and B 13.7M WID sealed.
- TWY E WID 18M sealed and lit.
- TWY D WID 12M sealed.

**METEOROLOGICAL INFORMATION PROVIDED**

- TAF CAT C, METAR/SPECI.
- AWIS Phone 08 7922 2505 - Report faults to BoM.
- AWIS FREQ 123.05 (requires one-second pulse to activate) - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

13/31 126 72a PCN 25 /F /A /1150 (167PSI) /T WID 45 RWS 150

**AERODROME AND APPROACH LIGHTING**

RWY 13/31 LIRL AFRU+PAL 127.8 SDBY PWR AVBL  
 RWY 13/31 PAPI(1) AFRU+PAL 127.8 3.0 DEG52FT SDBY PWR AVBL  
 (1) Left side.

RWY edge light spacing: 13/31: 60M

**OTHER LIGHTING**

- SDBY PWR switchover time: 15 SEC.
- TWY LGT: Blue edge on C and E.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 125.0 On ground

**RADIO NAVIGATION AND LANDING AIDS**

|     |    |                     |           |            |                                       |     |
|-----|----|---------------------|-----------|------------|---------------------------------------|-----|
| DME | GV | 114.1/ 88X          | 121554.0S | 1364858.6E |                                       | (2) |
| NDB | GV | 380                 | 121612.8S | 1364927.6E | Range 65 (HN 65) OW<br>110 (OW HN110) | (3) |
| VOR | GV | 114.1               | 121554.1S | 1364859.1E |                                       | (1) |
| (1) |    | 148/0.28 to ARP     |           |            |                                       |     |
| (2) |    | Antenna ELEV 211FT. |           |            |                                       |     |
| (3) |    | 275/0.36 to ARP     |           |            |                                       |     |

**LOCAL TRAFFIC REGULATIONS**

- ACFT ABV 10,000KG MTOW must use turning nodes for 180DEG turns, ACFT BLW 10,000KG must use MAX RAD turns to avoid pavement damage.
- No parking on E sealed apron without PPR FM AD OPR except for refuelling purposes.
- No parking on W sealed apron without PPR FM AD OPR.
- Gate codes to access airside can be obtained by contacting the ARO.

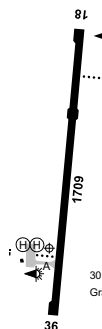
**CTAF - AFRU 127.8**

**ADDITIONAL INFORMATION**

All pilots and operators must possess and display a current Aviation Security Identification Card (ASIC) when airside.

**CHARTS RELATED TO THE AERODROME**

- WAC 3110.
- Also refer to AIP Departure and Approach Procedures.

**GRAFTON****ELEV 110****AVFAX CODE 2045**

NSW 294534S 1530148E UTC +10 YGFN CERT  
 VAR 12 DEG E  
 AD OPR Clarence Valley Council, Locked Bag 23, Grafton, NSW, 2460.  
 Email: airport@clarence.nsw.gov.au. PH 02 6643 0200 (BH): 02 6626 6858 (AH).  
 ARO 0417 664 846 (H24). Fax 6642 7647. Website: www.clarence.nsw.gov.au.

**REMARKS**

1. AD Charges: refer to website.
2. This AD is a Security Controlled Airport. Personnel must display a valid ASIC when airside.
3. Access to airport terminal by prior arrangement only. CTC AD OPR.

**HANDLING SERVICES AND FACILITIES**

Aero Refuellers: JET A1, H24. 1HR PN. Phone 0401 940 070. AH call-out fee may apply.

**APRONS AND TAXIWAYS**

TWY A - sealed Code C, WID 15M.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT D, METAR/SPECI.
2. AWIS PH 02 9353 6423 - Report faults to BoM.
3. AWIS FREQ 126.225 - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

18/36 174 56a PCN 12 /F /D /580 (84PSI) /T WID 30 RWS 150

**AERODROME AND APPROACH LIGHTING**

RWY 18/36 LIRL AFRU+PAL 126.7 SDBY PWR AVBL  
 RWY 18/36 PAPI AFRU+PAL 126.7 3.0 DEG42FT SDBY PWR AVBL  
 RWY edge light spacing: 18/36: 60M.

**OTHER LIGHTING**

1. Secondary PWR switchover time: 15 SEC.
2. TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 122.6 On ground

**RADIO NAVIGATION AND LANDING AIDS**

NDB GFN 389 294535.0S 1530138.8E Range 20 (HN 20) (1)  
 (1) Pilot monitored.

**LOCAL TRAFFIC REGULATIONS**

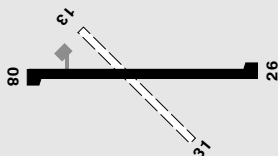
1. Turns only at THR and turning nodes.
2. Bay 2 on sealed APN is restricted to aeromedical and charter ACFT.

**CTAF - AFRU 126.7****ADDITIONAL INFORMATION**

1. Large flocks of fruit bats cross AD from first light to 1 1/2 hours after first light.
2. Extensive light and ultralight ACFT activity and model ACFT operations at South Grafton ALA, located 6NM NW of Grafton AD.
3. Caution - Fire suppression ACFT at AD during fire season.
4. Model aircraft operations within 700M radius of position 294209.7S 1530109.8E, SFC to 600FT.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3357.
2. Also refer to AIP Departure and Approach Procedures.

**GREAT LAKES AIRFIELD****ELEV 260****FULL NOTAM SERVICE NOT AVBL**

VIC  
 375033S 1480001E UTC +10 YGRL  
 VAR 13 DEG E UNCR  
 AD OPR KFT Investments Pty Ltd, PO Box 506, Lilydale, VIC,  
 3140. Email: greatlakes@kft.com.au. PH 03 9727 8000.  
 0900-1600 Local MON-FRI.

**REMARKS**

1. PPR.
2. AD charges apply.

**PASSENGER FACILITIES**

Fully equipped passenger terminal and observation platform AVBL on request.

Hangars available for all categories of aircraft.

Accommodation: [www.lakes-entrance.com](http://www.lakes-entrance.com) or [www.metung.com](http://www.metung.com)

**PHYSICAL CHARACTERISTICS**

RWY 08/26 - Bitumen 18M x 1,180M. Uphill grade on 26 is 2.7% until RWY intersection then gradual transition to flat. (Average Grade 2.0%).

RWY 13/31 - Gravel 18M x 670M. Uphill grade on 31 is 0.9%

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 124.0

**LOCAL TRAFFIC REGULATIONS**

1. Concrete hardstand for turbine and transport category aircraft off TWY at Western end of RWY 08/26.
2. Parking: Light aircraft may park adjacent to the concrete hardstand.
3. Runway gradients may inhibit visibility and pilots must confirm that both runways are clear before landing or takeoff.

**FLIGHT PROCEDURES**

Pilots must observe the airfield at Kalimna (YLKE) and maintain a minimum altitude of 2,500FT until ABM this airfield when descending downwind for RWY 26.

**CTAF** 126.7

**ADDITIONAL INFORMATION**

1. Note the presence of tall trees on final to RWY 26.
2. Possibility of windshear on final approach to RWY 26.

**CHARTS RELATED TO THE AERODROME**

WAC 3470.

**GREGORY DOWNS****ELEV 260****FULL NOTAM SERVICE NOT AVBL**

QLD  
 183732S 1391401E UTC +10 YGDS  
 VAR 5 DEG E UNCR  
 AD OPR Burke Shire Council, Musgrave Street, Burketown, QLD, 4830. PH 07 4745 5100:  
 RDO RFDS MT Isa 8XI.

**PASSENGER FACILITIES**

Telephone facilities not AVBL.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 125.7 7500FT

**CTAF** 126.7

**CHARTS RELATED TO THE AERODROME**

WAC 3220.

**GRIFFITH****ELEV 439****AVFAX CODE 2205**

NSW

UTC +10

YGTH

341503S

1460402E

VAR 11 DEG E

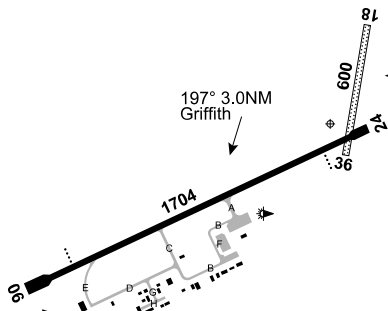
CERT

AD OPR Griffith City Council, PO Box 485, Griffith, NSW, 2680.

Email: graham.slingsby@griffith.nsw.gov.au. ARO 0419 167 741. Email: airport@griffith.nsw.gov.au

(MIL ATO/transit advice should be sent to this email). ARO AH 0427 294 520.

Council PH 02 6962 8100 or 1300 176 077.

**REMARKS**

1. AD Charges: All ACFT - \$15.30/tonne or part thereof per landing. Billing by Avdata Australia PH: 02 6262 8111 for all enquiries relating to landing fee charges at YGTH (with exception to annual fee subscriptions - as per Griffith City Council Revenue Policy).
2. AD ARO onsite services available: 0500 - 1500 Local (call-out basis AH).
3. Entry to the main terminal building, from the airside secure area, is available during RPT scheduled operations (0600 - 2030 Local). Access to landside outside these hours, is via the keypad controlled gates located at the western end of the terminal (perimeter fence), or next to the Griffith Aero Club building.
4. PAX and unauthorised aircrew are not to access the terminal building via the eastern baggage handling area (including footpath from Air Transport Apron) without first seeking prior permission.  
*Note: The AD OPR accepts no responsibility for PAX and/or aircrew who use the eastern baggage handling area and/or footpath without prior permission.*
5. AD is a Tier 3 security controlled airport.
6. AD is an ICAO CAT 3C airport.
7. Hi-Vis reflective vest (or equivalent) must be worn when operating airside.
8. All pilots and other operators must possess and clearly display a valid Australian Security Identification Card (ASIC), or Griffith Aerodrome specific VIC when operating in a secure area or zone IAW *Aviation Transport Security Regulations 2005, Regulation 3.03*.
9. A person who properly displays a valid VIC and is supervised by a person who properly displays a valid ASIC, need not display a valid ASIC.
10. Visiting aircrew must maintain positive control of PAX at all times, whilst in a secure area or zone.
11. Griffith Regional Aerodrome does not provide wheel chocks, or access to baggage loading equipment.

## HANDLING SERVICES AND FACILITIES

World Fuel Services: JET A1 tanker refueller; H24 AVGAS carnet card and credit card (via smartphone APP) bowser. Manned MON - FRI 0800 - 1700 Local. On call 24HR Duty Refueller: 0437 681 614, Email: [airfuelservices@gmail.com](mailto:airfuelservices@gmail.com)

*Note: AVGAS spillage on the pavement is to be avoided. AVGAS captured in fuel drain testers, is not to be emptied onto the pavement or natural grass areas.*

Griffith Aero Club - Accommodation AVBL (conditions apply). CTC Griffith Aero Club (GAC)

Phone: 02 6964 1666 Email: [gthgac@exemail.com.au](mailto:gthgac@exemail.com.au)

LAME/AVIONICS facility (Precision Aviation Pty Ltd) located at intersection of TWY D and TWY E.

CTC: 02 6964 3158 or [precisionaviation@bigpond.com](mailto:precisionaviation@bigpond.com).

RPT Handling agent: Aus Flight Handling, website: [www.ausflighthandling.com.au](http://www.ausflighthandling.com.au).

## PASSENGER FACILITIES

PT/TX/HC/LG/RF (Aero Club)/WC/ME.

## APRONS AND TAXIWAYS

1. TWY B, C, D not AVBL to ACFT ABV 5,700KG.
2. TWY D restricted to MAX wingspan 20M.
3. TWY A 15M WID.
4. The GA APN (via TWY F) sealed pavement not AVBL to ACFT ABV 5,700KG (without a pavement concession from the AD OPR).

## AERODROME OBSTACLES

TWR:

- a. 747FT BRG 185 DEG MAG 3,028M FM ARP.
- b. 720FT BRG 192 DEG MAG 3,040M FM ARP.
- c. 773FT BRG 193 DEG MAG 3,088M FM ARP.

## METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT C, METAR/SPECI.
2. AWIS Phone 02 9353 6424 - Report faults to BoM.
3. AWIS FREQ 132.95 - Report faults to AD OPR.

## PHYSICAL CHARACTERISTICS

|       |     |     |                                              |        |         |
|-------|-----|-----|----------------------------------------------|--------|---------|
| 06/24 | 055 | 56a | PCN 16 /F /B /1400 (203PSI) /U               | WID 30 | RWS 150 |
| 18/36 | 178 | 20c | Unrated. Grass. Central 30(98) red sand clay | WID 30 | RWS 90  |

1. RWY 06/24 turning nodes each end 45M WID.
2. RWY 18/36 (unprepared SFC) - often subject to NOTAM.

## AERODROME AND APPROACH LIGHTING

|           |         |                 |                             |
|-----------|---------|-----------------|-----------------------------|
| RWY 06/24 | LIRL    | AFRU+PAL 126.55 | SDBY PWR AVBL               |
| RWY 06/24 | PAPI(1) | AFRU+PAL 126.55 | 3.0 DEG39.4FT SDBY PWR AVBL |

(1) Left side only.

RWY edge light spacing: 06/24: 60M.

## OTHER LIGHTING

1. Secondary PWR switchover time: Automatically activated, switchover time 1 MIN.
2. TWY LGT: Blue edge on TWY A. Green CL reflectors on TWY B.

## ATS AND AERODROME COMMUNICATION FACILITIES

FIA MELBOURNE CENTRE 134.65 On Ground

## RADIO NAVIGATION AND LANDING AIDS

|     |     |     |           |            |                   |     |
|-----|-----|-----|-----------|------------|-------------------|-----|
| NDB | GTH | 305 | 341637.9S | 1460324.2E | Range 150 (HN 90) | (1) |
|-----|-----|-----|-----------|------------|-------------------|-----|

(1) Pilot monitored - 011/1.7 to ARP.

## LOCAL TRAFFIC REGULATIONS

1. Only approved local aerial agricultural ACFT are permitted to land on RWY strip northern side of RWY 06/24. (ACFT are to exit RWY strip directly opposite TWY C, to avoid further damaging the RWY edge).
2. Use of main RPT APN is restricted to RPT ACFT only and other ACFT approved by AD OPR. Parking arrangements are to be made with AD OPR for ACFT above 5,700KG.
3. Overnight parking on the Air Transport APN is not AVBL due RPT ACFT.

4. There is no provision for overnight parking for ACFT above 5,700KG. Strict parking limitations apply. Any parking exemptions issued by the AD OPR must be complied with. No time extensions will be granted on the main (RPT) Air Transport APN, due to commercial agreements with RPT OPR.
5. Parking Positions 1, 2 and 3 of the Air Transport APN are restricted to RPT and MIL ACFT. Other ACFT OPR may apply for limited parking with a MNM 48 hour notification. Approval not guaranteed.
6. TWY F has Outer Main Gear Wheel Span (OMGWS) restrictions. Contact AD OPR for briefing.
7. The GA APN is accessible via TWY B and TWY F only.
8. The GA APN is a shared fixed wing and rotary wing facility. Caution: rotor downwash may cause damage to nearby parked ACFT.
9. GA tie down cable parking is AVBL opposite the Griffith Aero Club (northern grass area) and opposite TWY F (western grass area).
10. A portion of the paved APN opposite the Griffith Aero Club, is line marked for aeromedical parking only. No long term parking is permitted on the APN area.
11. The grass / natural surface area west of TWY F and GA Apron is suitable for Rotary Wing operations (under dry conditions). Use is entirely at ACFT PIC discretion. The AD OPR accepts no responsibility for operations conducted on grass/natural surface areas.
12. The AD OPR and Airport Coordinator must be advised (in writing) at least 7 days in advance of any intended AWK or staging operations from YGTH. EMERG OPS exempt.
13. AERO MED parking only on APN in designated area in-front of Griffith Aero Club.
14. Upon completion of refuelling from the AVGAS bowser facilities - aircraft must be moved to available parking in a reasonable time period.
15. On RWY 06/24, ACFT above 5,700KG: 180 DEG turns are to be performed at turning nodes only.
16. RWY strip RWY 06/24 and RWY 18/36 WIP (mowing) 5 MIN PN for ARR and DEP ACFT CS: 'MOWER 1' via CTAF. DLY 2100-0400 UTC.

#### **CTAF - AFRU 126.55**

#### **ADDITIONAL INFORMATION**

1. Bird and animal hazard exists. Advise AD OPR of bird strikes, as soon as practicable.  
*Note: No wildlife dispersal resources available after 1500 Local (unless deemed urgent).*
2. Portable 98 octane refuelling trailer (for RAAus ACFT) parked on northern grass area opposite the Griffith Aero Club (on the GA tie down cable) - 20M east of AVGAS fuel bowser. Trailer marked clearly with U/S markers and red illumination.
3. The AD OPR and Airport Coordinator MUST be advised (in writing) for approval to bring any grade of fuel and/or diesel onto the airside aerodrome environment.
4. Caution: Emergency services vehicles mounted with red/blue warning lights operate frequently on TWY B, TWY F and the APN area designated for aeromedical operations (opposite the Griffith Aero Club).
5. Caution: High aerial agricultural ACFT OPS to and from AD and at TWY D FM OCT-FEB.
6. Caution: ARO operating mower/slasher equipment inside RWY strips.
7. Caution: High RAAus flying training operations and circuit traffic.

#### **CHARTS RELATED TO THE AERODROME**

1. WAC 3457.
  2. Also refer to AIP Departure and Approach Procedures.
-

**GROOTE EYLANDT****ELEV 53****AVFAX CODE 8010**

NT

135824S

1362739E

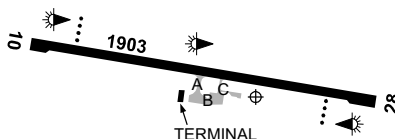
UTC +9:30

YGTE

VAR 4 DEG E

CERT

AD OPR Groote Eylandt Mining Co., Alyangula, NT, 0885. Email: gteairport@amsaustralia.com or grootearo@amsaustralia.com. ARO 0447 866 322.

**REMARKS**

1. AD Charges: All ACFT.
2. Groote Eylandt is the freehold property of the Anindilyakwa people. Access is restricted to the leasehold areas of the Groote Eylandt Mining Company (GEMCO) and Alyangula Township unless you hold a permit. Permits can be obtained from the Anindilyakwa Land and Sea Rangers. Phone 08 8987 6703 for details.
3. Cane toads are prohibited on Groote Eylandt. It is a strict quarantine requirement that other plant and animal species must not be brought to Groote Eylandt without permission from the Anindilyakwa Land and Sea Rangers. Phone 08 8987 6703 for details.
4. Alcohol restrictions are in place on Groote Eylandt.
5. This AD is a security controlled airport.
6. RPT and GA OPS not AVBL TUE 0630-0930 and 1730-2030 Local.

**HANDLING SERVICES AND FACILITIES**

World Fuel Services: AVGAS WFS carnet card and credit card (via smartphone app) bowser H24. JET A1 AVBL for RPT OPS, otherwise by arrangement. Charges may change without notice. Call-out fees may apply to AH refuelling weekends and BTN 1800-0600 Local MON-FRI. PH: 0437 591 796.

Groote Freight (Ground Handling Agent) - MOB: 0438 945 126. Email: grootefreight@bigpond.com

**PASSENGER FACILITIES**

WC/HC (by arrangement).

**APRONS AND TAXIWAYS**

1. TWY B to GA apron NOT AVBL to ACFT ABV 5,700KG MTOW.
2. Helicopter Operations: 30MIN PRKG position RPT APN Bay 2 via TWY A 24HR prior notice. Unsealed PRKG contained by blue markers E of GA APN. The unsealed HEL APN is not a designated HLS.
3. TWY C MAX wingspan 15M.
4. 24HR PN required for overnight GA PRKG.

**AERODROME OBSTACLES**

1. Terrain penetrations:
  - a. BRG 061 MAG 3.0NM FM ARP. Infringes conical SFC by 7FT.
  - b. BRG 083-103 MAG 2.4-3.2NM FM ARP. Infringes IHS and conical SFC by 1-115FT.
  - c. BRG 142 MAG 2.8NM FM ARP. Infringes conical SFC by 10FT.
  - d. BRG 149 MAG 2.3NM FM ARP. Infringes IHS and conical SFC by 26FT.
2. Trees:
  - a. 66FT AGL BRG 104-106 MAG 0.49-0.6NM FM ARP. Infringe TNS by 7FT.
  - b. 74FT AGL BRG 266-275 MAG 0.3-0.8NM FM ARP. Infringe TNS by 17FT.
  - c. 76FT AGL BRG 290-297 MAG 0.43-0.64NM FM ARP. Infringe TNS by 26FT.
  - d. 77FT AGL BRG 013-084 MAG 0.12-0.52NM FM ARP. Infringe TNS by 20FT.
3. Lit TWR 190FT AMSL BRG 256 MAG 1.03NM FM ARP.
4. RWY 10/28 TNS on S side infringed BTN TWY A and W end by trees 150M S of CL. Infringes up to 22FT.

1. TAF CAT C, METAR/SPECI.
2. AWIS Phone 08 7922 2506 - Report faults to BoM.
3. AWIS FREQ 128.65 (requires one-second pulse to activate) - Report faults to AD OPR.

|       |     |     |                                                                                                                |        |         |
|-------|-----|-----|----------------------------------------------------------------------------------------------------------------|--------|---------|
| 10/28 | 095 | 62a | PCN 26 / F / A / 1076 (156PSI) / T Grooved.<br>Last 60M of both ends including turning nodes<br>are ungrooved. | WID 30 | RWS 150 |
|-------|-----|-----|----------------------------------------------------------------------------------------------------------------|--------|---------|

|           |         |                |             |                      |
|-----------|---------|----------------|-------------|----------------------|
| RWY 10/28 | LIRL    | AFRU+PAL 126.0 |             | SDBY PWR AVBL        |
| RWY 10/28 | PAPI(1) | AFRU+PAL 126.0 | 3.0 DEG41FT | SDBY PWR AVBL        |
| RWY 10/28 | PTBL(2) |                |             | BY PRIOR ARRANGEMENT |

RWY edge light spacing: 10/28:60M.

2. TWY LGT: Blue edge on A.

|     |                 |                 |
|-----|-----------------|-----------------|
| FIA | BRISBANE CENTRE | 122.2 On Ground |
|-----|-----------------|-----------------|

(2) Range reduced to 50 in sector 090-170

3. Light ACFT tie-downs not strength rated.

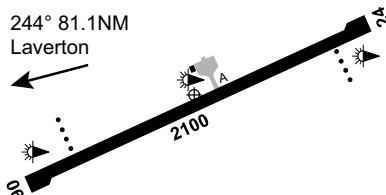
3. Fruit bat hazard exists at sunrise and sunset on RWY and APCH.

2. Also refer to AIP Departure and Approach Procedures.

ELEV 1542

CERT

Email: [giv.aerodrome@gruyereiv.com](mailto:giv.aerodrome@gruyereiv.com). PH 08 6187 4148: H24 0427 389 326.





REMARKS

PPR FM AD OPR.

HANDLING SERVICES AND FACILITIES

JET A1 AVBL. Fixed facility. PPR from AD OPR.

AERODROME OBSTACLES

Lit mast HGT 1,562FT AMSL BRG 278 DEG MAG, 222M FM ARP.

METEOROLOGICAL INFORMATION PROVIDED

AWIS FREQ: 133.45MHz (requires three one-second pulses to activate) - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

06/24                    063    69a    PCN 26 /F /B /1076 (156PSI) /T Sealed                    WID 30            RWS 150

AERODROME AND APPROACH LIGHTING

|           |         |                 |               |                      |
|-----------|---------|-----------------|---------------|----------------------|
| RWY 06/24 | LIRL    | AFRU+PAL 125.85 |               | SDBY PWR AVBL        |
| RWY 06/24 | PAPI(1) | AFRU+PAL 125.85 | 3.0 DEG48.5FT | SDBY PWR AVBL        |
| RWY 06/24 | PTBL(2) |                 |               | BY PRIOR ARRANGEMENT |

(1) Left side only.

(2) 60MIN PN.

RWY 06/24 edge LGT spacing: 60M.

OTHER LIGHTING

Secondary PWR switchover time: 15MIN - manually activated.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA                    MELBOURNE CENTRE                    118.4

LOCAL TRAFFIC REGULATIONS

1. RWY 06/24: All fixed wing ACFT ABV 20,000KG must make MAX RAD turns at MNM speed at all turning nodes to avoid SFC damage.
2. All ACFT to follow APN markings.
3. All jet ACFT to use idle PWR for movements on the APN with the exception of breakaway thrust to initiate taxi. ACFT that cannot comply with this restriction must advise the AD OPR prior to DEP.
4. PRKG by prior arrangement with AD OPR.

CTAF - AFRU 125.85

ADDITIONAL INFORMATION

1. Blasting HJ DLY BRG 028 DEG MAG 3.6NM FM ARP. Dust plumes may occur following blasting, ACFT are requested to avoid flying over mine pit.
2. UAV OPR HJ daily BRG 037DEG MAG 3.7NM FM ARP. SFC to 400FT AGL.

CHARTS RELATED TO THE AERODROME

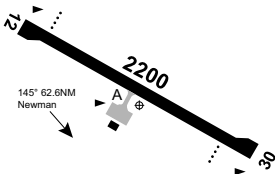
1. WAC 3352.
2. Also refer to AIP Departure and Approach Procedures.

GUDAI-DARRI MINE

ELEV 1473

AVFAX CODE 6838

|                                                                                           |          |             |      |
|-------------------------------------------------------------------------------------------|----------|-------------|------|
| WA                                                                                        |          | UTC +8      | YKDD |
| 223019S                                                                                   | 1190434E | VAR 1 DEG E | CERT |
| AD OPR Mount Bruce Mining Pty Ltd, Level 18, 152-158 St Georges Terrace, Perth, WA, 6000. |          |             |      |
| Email: gudaidarri.airport@amsaustralia.com. PH 08 9327 2000. ARO AH 0428 868 947.         |          |             |      |



**REMARKS**

1. Restricted OPS, HJ only. 24 HR PPR FM AD OPR.
2. All OPS – Advise AD OPR at least 20 MINS prior ETA on 127.925. CS “Gudai-Darri Base”.

**HANDLING SERVICES AND FACILITIES**

Viva Energy Aviation: 2230-1000 UTC DLY, AH with 2HR PN. PH 0448 680 573. JET A1 - Fuel2Sky  
Carnet Cards, V or MC.

Marshalling, parking allocation and ground handling services by prior arrangement with AD OPR.

**PASSENGER FACILITIES**

WC, LG, RF, Telstra 4G mobile reception.

**APRONS AND TAXIWAYS**

TWY A, Code C WID 18M bitumen seal.

**AERODROME OBSTACLES**

There are a large number of obstacles in the VCY of the AD. CTC ARO for details.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT C, METAR/SPECI.
2. AWIS FREQ 133.350 (requires three one-second pulses to activate) - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

12/30 114 72a PCN 45 /F /B /1440 (209PSI) /T Sealed. WID 45 RWS 300

**AERODROME AND APPROACH LIGHTING**

RWY 12/30 PAPI(1) PAL+AA 119.6 3.0 DEG54FT SDBY PWR AVBL  
RWY 12/30 PTBL(2) BY PRIOR ARRANGEMENT

(1) AVBL HJ only. Left side only. PAL+AA requires three three-second pulses to activate.

(2) AVBL for EMERG (mercy flights) only. 2HR PN to ARO.

RWY 12/30 edge light spacing: 60M (PTBL).

**OTHER LIGHTING**

SDBY PWR switchover time: 10 SEC.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 128.15 Circuit area

**LOCAL TRAFFIC REGULATIONS**

1. RWY 12/30: All fixed wing ACFT ABV 5,700KG must make MAX RAD turns at MNM speed at turning nodes to avoid SFC damage.
2. All ACFT 5,700KG and BLW are permitted to perform MAX RAD mid RWY turns.
3. All ACFT are required to backtrack on RWY centreline.
4. All ACFT to follow APN markings.
5. All jet ACFT to use idle power for movements on the APN with the exception of breakaway thrust to initiate taxi.

**FLIGHT PROCEDURES**

Right hand circuit on RWY 30 due to high terrain to the S of the AD.

**CTAF - AFRU 127.05**

1. AFRU not AVBL on ground.
2. AFRU at Fortescue Dave Forrest (YFDF).

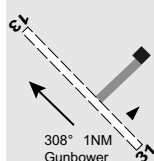
**ADDITIONAL INFORMATION**

Blasting occurs BTN BRG 209 MAG and BRG 248 MAG, 2.0NM to 4.2NM FM ARP.

CTC ARO for blasting times.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3229.
2. Also refer to AIP Departure and Approach Procedures.

**GUNBOWER****ELEV 290****FULL NOTAM SERVICE NOT AVBL**

VIC

355759S

1442252E

UTC +10

VAR 11 DEG E

YGBW

UNCR

AD OPR Brohden Elliott, 34 Pavone Rd, Gunbower, VIC, 3566.

Email: brohdenelliott@icloud.com. PH 03 5487 1517. Mobile 0438 368 088.

**REMARKS**

PPR.

**AERODROME OBSTACLES**

Powerlines prior to RWY 31 THR.

**PHYSICAL CHARACTERISTICS**

13/31 23c Grass. RWY LEN 700M.

WID 30

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE

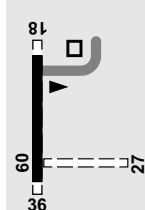
118.6

**CTAF 126.7****ADDITIONAL INFORMATION**

1. White painted tyres around RWY edges and windsock.
2. Strip becomes unserviceable after moderate rain.
3. Bird and animal hazard may exist.

**CHARTS RELATED TO THE AERODROME**

WAC 3457.

**GUNDAROO****ELEV 1860****FULL NOTAM SERVICE NOT AVBL**

NSW

350242S

1491530E

UTC +10

VAR 12 DEG E

YGDO

UNCR

AD OPR DSI, PO Box 418, Terrey Hills, NSW, 2084. PH Manager 0429 443 260.

**REMARKS**

PPR.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA CANBERRA APPROACH

124.5 On ground

**FLIGHT PROCEDURES**

Where practical;

- a. Approach from and depart to the South.
- b. Avoid flying over township or homestead.

**CTAF - AFRU 126.7****ADDITIONAL INFORMATION**

ACFT to give way to steam train on TWY.

**CHARTS RELATED TO THE AERODROME**

WAC 3456, 3457.

**GUNNEDAH****ELEV 864****AVFAX CODE 2034**

NSW

UTC +10

YGDH

305740S

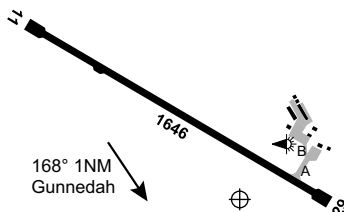
1501502E

VAR 11 DEG E

CERT

AD OPR Gunnedah Shire Council, PO Box 63, Gunnedah, NSW, 2380. PH 02 6740 2100.

Fax 02 6740 2119.

**REMARKS**

AD charges: in accordance with council fees and charges.

**HANDLING SERVICES AND FACILITIES**

Gunnedah Aero Club: H24, fuel general enquiries PH 0408 453 030. AVGAS, JET A1 self-service card swipe bowsters. MC, V and AMEX only. Carnet cards not accepted.

**PASSENGER FACILITIES**

TX/HC/LG/WC

**AERODROME OBSTACLES**

TWR 1,624FT AMSL BRG 167 DEG MAG 2.4NM FM ARP. Lit by red intermittent light.

**METEOROLOGICAL INFORMATION PROVIDED**

1. METAR/SPECI.
2. AWIS PH 02 9353 6425 - Report faults to BoM.
3. AWIS FREQ 133.275 (requires one-second pulse to activate) - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

11/29 111 54a PCN 8 /F /D /580 (84PSI) /T

WID 30 RWS 150

**AERODROME AND APPROACH LIGHTING**

RWY 11/29 LIRL AFRU+PAL 127.4

RWY edge light spacing: 60M.

**OTHER LIGHTING**

TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

127.1 On Ground

**FLIGHT PROCEDURES**

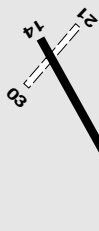
Right hand circuits RQ when OPR on RWY 29.

**CTAF - AFRU 127.4****ADDITIONAL INFORMATION**

Bird hazard exists.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3357.
2. Also refer to AIP Departure and Approach Procedures.

**GYMPIE****ELEV 260****FULL NOTAM SERVICE NOT AVBL**

QLD

261658S

1524207E

UTC +10

VAR 11 DEG E

YGYM

UNCR

AD OPR Gympie Regional Council, 242 Mary Street, Gympie, QLD, 4570.

PH 07 5213 1001: 1300 307 800. ARO 07 5481 0907.

Website: [www.gympie.qld.gov.au](http://www.gympie.qld.gov.au).**REMARKS**

1. PPR. Obtained via Permission to Operate form on website or contact ARO.
2. Landing charges: all ACFT.
3. Parking charges: all ACFT PRKG in short-term ("01S"), long-term ("02L"), or temporary parking bays ("03T").
4. All HN OPS prohibited except for EMERG services.

**HANDLING SERVICES AND FACILITIES**

AVGAS 24/7 MC or V credit card fully automated bowser.

PULP 95 24/7 MC or V credit card fully automated bowser.

Gympie Aero Club Inc. Backup service Ray Gresham PH: 0428 835 451.

**AERODROME AND APPROACH LIGHTING**

RWY LGT AVBL only for emergency services. Contact AD OPR with 1 HR PN.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA

BRISBANE CENTRE

129.0 2500FT

**LOCAL TRAFFIC REGULATIONS**

1. Carriage and use of radio is required by AD OPR.
2. Helicopter training prohibited. Helicopter OPS limited to arrivals and departures only.
3. RWY 32 THR turns to line up should be avoided on sealed section of THR.
4. Parking:
  - a. APN PRKG not WI 18M of AVGAS/PULP FAC. Not immediately in front of terminal building.
  - b. Short-term (1-6 days) PRKG AVBL N of APN and within signed area 01S.
  - c. Long-term (7 days or more) PRKG AVBL W of APN and within signed area 02L.
  - d. Temporary or overflow PRKG AVBL S of APN and within signed area 03T.

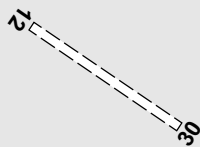
**CTAF** 126.7**ADDITIONAL INFORMATION**

1. Hang glider, parachute and ultralight OPS HJ.
2. Hang glider and aero-tow OPS WI RWS and FM WI 5NM RAD from SFC-3,000FT.
3. Glider launching via rope/aero-tow RWY 14/32. Rope position W of RWY 14/32.
4. Rope launch possible from SFC-2,500FT, midfield crosswind joining not recommended during gliding OPS – phone club 0438 639 926.
5. Ultralight OPS on sealed and grassed areas WI RWS.
6. Parachuting OPS GND to FL150. If unfamiliar, CTC jump pilot via CTAF. Midfield crosswind not recommended during OPS.

**CHARTS RELATED TO THE AERODROME**

WAC 3340.

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**HAASTS BLUFF****ELEV 2269****FULL NOTAM SERVICE NOT AVBL**

NT  
232702S 1315105E UTC +9:30 YHAA  
VAR 4 DEG E UNCR  
AD OPR Haasts Bluff Community Inc, PMB Haasts Bluff, via Alice Springs,  
NT, 0871. PH 08 8956 8533.

**PASSENGER FACILITIES**

Telephone facilities not AVBL.

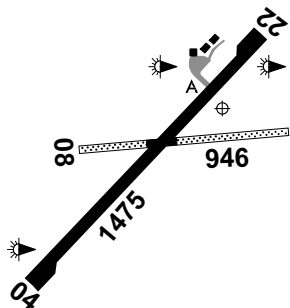
**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 119.8 FL185

CTAF 126.7

**CHARTS RELATED TO THE AERODROME**

WAC 3231.

**HALLS CREEK****ELEV 1346****AVFAX CODE 6908**

WA  
181402S 1274011E UTC +8 YHLC  
VAR 3 DEG E CERT  
AD OPR Aerodrome Management Services, PO Box 226, Halls  
Creek, WA, 6770. Email: hcairport@amsaustralia.com.  
ARO 0437 170 368.

**REMARKS**

1. AD Charges: All ACFT.
2. Airside gate access CTC ARO.
3. Landside gate access C1234X.

**HANDLING SERVICES AND FACILITIES**

AIR BP - AVGAS H24 self serve bowser (with AirBP Sterling card). Aerodrome Management Services (AMS) - JET A1 H24 self serve bowser (with AMS carnet card). Credit card accepted for both by OPR MON-FRI 2200-0800 UTC. 1HR PN required. Call out fee \$150. Phone ARO.Direct applications for AMS JET A1 carnet cards to hcairport@amsaustralia.com.

**PASSENGER FACILITIES**

WC - access C2739.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT C, METAR/SPECI.
2. AWIS Phone 08 6216 2617 - Report faults to BoM.

**PHYSICAL CHARACTERISTICS**

|       |     |     |                                            |        |        |
|-------|-----|-----|--------------------------------------------|--------|--------|
| 04/22 | 041 | 48a | PCN 10 / F / A / 1000 (145PSI) / T Sealed. | WID 30 | RWS 90 |
| 08/26 | 083 | 31c | 5700/550 (80PSI) Red gravel                | WID 18 | RWS 60 |

**AERODROME AND APPROACH LIGHTING**

RWY 04/22 LIRL AFRU+PAL 126.7

1. RWY edge light spacing: 04/22: 60M.
2. No standby/backup PWR AVBL.

**OTHER LIGHTING**

TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 118.2 On Ground

**RADIO NAVIGATION AND LANDING AIDS**

|     |                  |     |           |            |                  |     |
|-----|------------------|-----|-----------|------------|------------------|-----|
| NDB | HLC              | 245 | 181359.2S | 1274020.8E | Range 50 (HN 50) | (1) |
| (1) | Pilot monitored. |     |           |            |                  |     |

## LOCAL TRAFFIC REGULATIONS

1. ACFT ABV 5,700KG MTOW must use turning nodes for 180 DEG turns RWY 04/22.
2. ACFT BLW 5,700KG MTOW requested to use MAX radius and MNM speed turns to avoid pavement damage.
3. Aircraft tie down points (not rated) provided on the Main Apron and GA Parking.

## FLIGHT PROCEDURES

Bungles scenic flights conform to the following Standard Operating Procedures. These procedures include adherence to the Table of Cruising Levels.

- a. From Halls Creek track to the South West Tip of the Bungles via McIntosh Hills. Returning, depart the Southern Tip of the Bungles tracking direct to Halls Creek.
- b. Operate around the Bungles in accordance with the procedures specified in ERSA GEN - Special Procedures (Not Associated with an Aerodrome).

## CTAF - AFRU 126.7

## ADDITIONAL INFORMATION

1. Bird hazard. Increased black kites and corellas HJ activity on and in VCY of AD. CTC 126.7 for real time information.
2. Wildlife hazard (wallabies) on AD. Increased ACT HN.

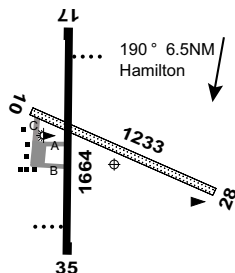
## CHARTS RELATED TO THE AERODROME

1. WAC 3222.
2. Also refer to AIP Departure and Approach Procedures.

## HAMILTON

**ELEV 803**

## AVFAX CODE 3014



VIC 373856S 1420355E UTC +10 YHML  
 1420355E VAR 10 DEG E CERT  
 AD OPR Southern Grampians Shire Council, PO Box 685, Hamilton, VIC, 3300. PH 03 5573 0256. ARO TUE and THU 0730 - 1600 Local 0417 553 796.

## HANDLING SERVICES AND FACILITIES

AVGAS and JET A1 AVBL H24 IOR Fuelcharge APP or TAG only.  
 PH: 1300 457 467.

## PASSENGER FACILITIES

PT/TX (03 5571 1200)/LG/WC/ME.

## AERODROME OBSTACLES

1. Trees:
  - a. 832FT AMSL BRG 343 DEG MAG 2,346M FM ARP. Infringes TKOF SFC by 3FT.
  - b. 826FT AMSL BRG 336 DEG MAG 2,076M FM ARP. Infringes TKOF SFC by 17FT.
  - c. 824FT AMSL BRG 341 DEG MAG 2,202M FM ARP. Infringes TKOF SFC by 4FT.
  - d. 840FT AMSL BRG 283 DEG MAG 1,555M FM ARP. Infringes TKOF SFC by 6FT.
  - e. 834FT AMSL BRG 283 DEG MAG 1,367M FM ARP. Infringes TKOF SFC by 12FT.
  - f. 784FT AMSL BRG 287 DEG MAG 746M FM ARP. Infringes TKOF SFC by 4FT.
2. Groups of trees:
  - a. 805FT AMSL BRG 346 DEG MAG 1,928M FM ARP. Infringes TKOF SFC by 2 FT.
  - b. 811FT AMSL BRG 338 DEG MAG 1,970M FM ARP. Infringes TKOF SFC by 7FT.
  - c. 840FT AMSL BRG 339 DEG MAG 2,261M FM ARP. Infringes TKOF SFC by 17FT.
  - d. 825FT AMSL BRG 093 DEG MAG 990M FM ARP. Infringes TKOF SFC by 4FT.
  - e. 820FT AMSL BRG 097 DEG MAG 936M FM ARP. Infringes TKOF SFC by 2FT.
  - f. 821FT AMSL BRG 099 DEG MAG 878M FM ARP. Infringes TKOF SFC by 7FT.
  - g. 821FT AMSL BRG 099 DEG MAG 890M FM ARP. Infringes TKOF SFC by 6FT.
  - h. 818FT AMSL BRG 100 DEG MAG 837M FM ARP. Infringes TKOF SFC by 7FT.
  - i. 783FT AMSL BRG 286 DEG MAG 724M FM ARP. Infringes TKOF SFC by 4FT.
  - j. 815FT AMSL BRG 345 DEG MAG 1,200M FM ARP. Infringes transitional SFC by 1FT.



METEOROLOGICAL INFORMATION PROVIDED

- 1. TAF CAT C, METAR/SPECI.
- 2. AWIS PH 03 8470 3208 - Report faults to BoM.
- 3. AWIS FREQ 126.275 - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

|       |     |     |                                        |        |         |
|-------|-----|-----|----------------------------------------|--------|---------|
| 10/28 | 103 | 40c | PCN 6 /F /B /400 (58PSI) /U Red gravel | WID 30 | RWS 90  |
| 17/35 | 170 | 55a | PCN 10 /F /B /600 (87PSI) /U           | WID 30 | RWS 150 |

AERODROME AND APPROACH LIGHTING

|           |         |                |               |               |
|-----------|---------|----------------|---------------|---------------|
| RWY 17/35 | LIRL    | AFRU+PAL 124.2 |               | SDBY PWR AVBL |
| RWY 17    | PAPI(1) | AFRU+PAL 124.2 | 3.0 DEG28.9FT | SDBY PWR AVBL |
| RWY 35    | PAPI(1) | AFRU+PAL 124.2 | 3.0 DEG22FT   | SDBY PWR AVBL |

- (1) Left side only.
- RWY edge light spacing: 17/35 60M.

OTHER LIGHTING

- 1. Secondary PWR switchover time: 30 SEC.
- 2. TWY A LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

|     |                  |                 |
|-----|------------------|-----------------|
| FIA | MELBOURNE CENTRE | 125.8 On Ground |
|-----|------------------|-----------------|

RADIO NAVIGATION AND LANDING AIDS

|     |                  |     |           |            |                  |     |
|-----|------------------|-----|-----------|------------|------------------|-----|
| NDB | HML              | 203 | 373857.4S | 1420328.3E | Range 45 (HN 45) | (1) |
| (1) | Pilot monitored. |     |           |            |                  |     |

LOCAL TRAFFIC REGULATIONS

- 1. Limited PRKG for ACFT ABV 5,700KG MTOW.
- 2. Gravel TWY N of APN not AVBL NOV to MAR due to fire suppression ACFT OPS.

CTAF - AFRU 124.2

ADDITIONAL INFORMATION

- 1. RWY 10/28 and 17/35 - Due to RWY levels ACFT may not be sighted on opposite RWY ends.
- 2. Birds may be present on SFC and APCH to RWYs.

CHARTS RELATED TO THE AERODROME

- 1. WAC 3469.
- 2. Also refer to AIP Departure and Approach Procedures.

**HAMILTON ISLAND****ELEV 15****AVFAX CODE 4403**

QLD

202129S

1485706E

UTC +10

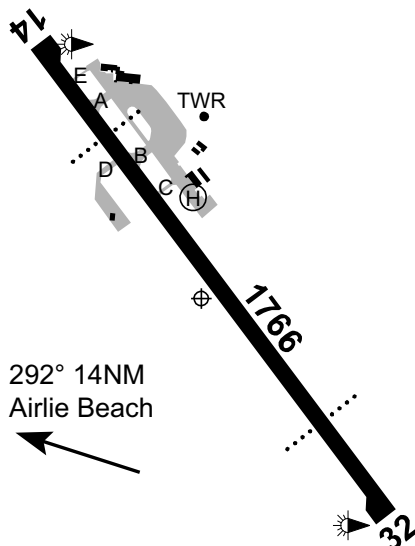
VAR 8 DEG E

YBHM

CERT

AD OPR Great Barrier Reef Airport Pty Ltd, PO Box 201, Hamilton Island, QLD, 4803.

PH 07 4946 8620. ARO 0414 594 592. Fax 07 4948 9944.

Website: [www.hamiltonisland.com.au/airport](http://www.hamiltonisland.com.au/airport).**REMARKS**

1. PPR.
2. AD charges apply. Further information AVBL on website.
3. This AD is a Security Controlled Airport.

**HANDLING SERVICES AND FACILITIES**

VIVA: Whitsunday Aviation Refuelling PTY LTD - 2130-0600 UTC AH call-out fee will apply.

PN required. Mobile 0412 936 177, AVGAS, JET A1. VIVA Fuel2Sky Card, Viva Global Carnet Card and Credit Cards (V and MC).

**General**

AD OPR does not provide marshalling services.

**PASSENGER FACILITIES**

BU/HC/AC/LG/RF/WC

**RESCUE AND FIREFIGHTING SERVICES**

1. CAT 7:
  - a. TUE-SUN - 2200-0545 UTC.
  - b. MON - 2200-0645 UTC.
2. 131.0 MHz AVBL HO.
3. Water Rescue Service AVBL.

**AERODROME OBSTACLES**

1. Transient yacht masts may infringe RWY 14/32 APCH slope clearance.
2. Unlit control tower 99FT AMSL BRG 348 MAG 597M FM ARP. Infringes OLS by 6FT.
3. Lit TWR 92FT AMSL BRG 345 MAG 592M FM ARP. Infringes TNS by 4FT.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT B, METAR/SPECI, AD WRNG.
2. AWIS Phone 07 3564 3716- Report faults to BoM.
3. AWIS FREQ 124.75 (requires two SEC pulse to activate) - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

14/32 135 58a PCN 41 /F /A /1400 (203PSI) /T Grooved WID 45 RWS 150  
 RWS WID 90(295) for ACFT BLW 22,700KG MTOW by day in VMC. Marked by white cones.

**AERODROME AND APPROACH LIGHTING**

|           |         |                      |
|-----------|---------|----------------------|
| RWY 14/32 | MIRL(1) | SDBY PWR AVBL        |
| RWY 14/32 | PTBL(3) | BY PRIOR ARRANGEMENT |
| RWY 14    | PAPI(2) | 3.0 DEG47FT          |
| RWY 32    | PAPI(2) | 3.0 DEG48FT          |

- (1) LGT RQ MAN switching. Prior notice RQ.
- (2) LGT RQ MAN switching. Prior notice RQ. Double Sided.
- (3) Fixed wing ACFT in EMERG only. 60 MIN PN. CTC ARO.

RWY edge light spacing: 14/32: 60M.

**OTHER LIGHTING**

1. Secondary PWR switchover time: 60 SEC.
2. TWY LGT: Blue edge on A and B.
3. 4 MIOL associated with local topography. 3 LIOL associated with AD fixtures.

**ATS AND AERODROME COMMUNICATION FACILITIES**

|      |                 |                                     |
|------|-----------------|-------------------------------------|
| FIA  | BRISBANE CENTRE | 135.5 Circuit Area (Outside TWR HR) |
| ATIS | HAMILTON ATIS   | 128.35                              |
| TWR  | HAMILTON TOWER  | 118.7                               |

1. TWR HR: as per NOTAM  
 Phone 07 4946 9123^.

*Note: TWR HR may change at short notice, check status of airspace with ATS or Hamilton ATIS.*

2. Hamilton TWR provides combined TWR and APP CTL services within Class D airspace 4,500FT AMSL and BLW DRG TWR HR. CTC TWR for a clearance.
3. Outside TWR HR, Hamilton Class D airspace becomes Class G.
4. Brisbane Centre 133.2 operates Hamilton Island Class C airspace H24.

**LOCAL TRAFFIC REGULATIONS**

1. Limited parking available - Contact AD OPR for further information.
2. Due pavement disturbance ACFT ABV 23,000KG must use RWY turning nodes for 180DEG turns unless directed by ATC.
3. Phone Hamilton TWR for training and practice instrument APCH approval DRG TWR HR.

**FLIGHT PROCEDURES**

1. Right hand circuits when OPR on RWY 14.
2. Helicopters to/from Hamilton Island Air apron must track parallel to the duty RWY on ARR or DEP unless specified by ATC.

**CTAF - AFRU 127.85**

1. CTAF - AFRU AVBL for ACFT on ground Hamilton Island. Range 5NM.
2. CTAF ACT outside TWR HR.

**ADDITIONAL INFORMATION**

1. Bird hazard exists.
2. ACFT carrying livestock or Dangerous Goods Class 1 explosives require prior approval from AD OPR.
3. Turbulence and associated windshear can be expected on APCH to RWY 14 when wind strength is 15KT or greater from the North East to East South East.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3234, 3235.
2. Aerodrome Obstacle Chart Type A: July 2021.
3. Also refer to AIP Departure and Approach Procedures.

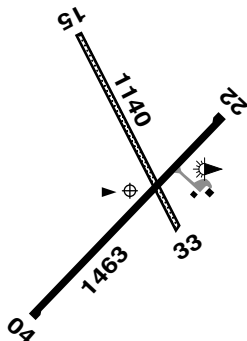
ELEV 1444

PH AH EMERG 02 6386 0160. Website: <http://hilltops.nsw.gov.au>.

WAC 3456, 3457.

ELEV 1052

WAC 3355.

**HAY****ELEV 305****AVFAX CODE 2207**

NSW  
343153S 1444947E UTC +10 YHAY  
AD OPR Hay Shire Council, PO Box 141, Hay, NSW, 2711. CERT  
PH 02 6993 1003. Fax 6993 1288.

**REMARKS**

AD Charges: Airline ACFT.

**HANDLING SERVICES AND FACILITIES**

Aero Refuellers: AVGAS, 24HR self-service, Aero Refuellers card, VISA and MC.

**APRONS AND TAXIWAYS**

RWY 04/22. Turning nodes each end 45M WID.

**AERODROME OBSTACLES**

1. Unlit mast 605FT AMSL, 010 DEG MAG, 3980M from ARP.
2. RWY 15/33 - PWR pole 34FT ABV 432 NW of RWY 15 RWS end.

**METEOROLOGICAL INFORMATION PROVIDED**

1. METAR/SPECI.
2. AWIS PH 02 9353 6426 - Report faults to BoM.

**PHYSICAL CHARACTERISTICS**

04/22 033 48a PCN 8 /F /A /500 (73PSI) /U WID 30 RWS 90  
15/33 144 37c Unrated. Red sandy clay WID 30 RWS 90  
Transient OBST not accounted for in locating THR RWY 22.

**AERODROME AND APPROACH LIGHTING**

RWY 04/22 LIRL PAL 119.6

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 118.6 Circuit Area

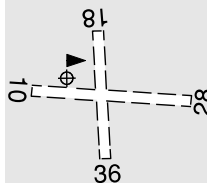
**CTAF** 126.7

**ADDITIONAL INFORMATION**

Bird and animal hazard exists.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3457.
2. Also refer to AIP Departure & Approach Procedures.

**HECK FIELD****ELEV 10****FULL NOTAM SERVICE NOT AVBL**

QLD  
274603S 1532022E UTC +10 YHEC  
AD OPR David Heck (W.H.Heck & Sons Pty Ltd), Norwell, QLD, 4208. UNCR  
PH 0418 196 171.

**REMARKS**

PPR

**PHYSICAL CHARACTERISTICS**

10/28 23c Unrated. Crusher dust over grass. RWY LEN 700M. WID 10  
18/36 21c Unrated. Crusher dust over grass. RWY LEN 640M. WID 15

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 125.7

LOCAL TRAFFIC REGULATIONS

1. Itinerant ACFT not permitted to conduct TGL.
2. Carriage and use of radio is required by AD OPR.
3. Flight training HJ 7 days per week.
4. Twin engine ACFT not permitted.

CTAF 119.0

CTAF area with Mason Field/Southport.

ADDITIONAL INFORMATION

1. RWY soft after wet weather.
2. Agricultural ACFT operate from the AD.
3. Kangaroo hazard exists.

CHARTS RELATED TO THE AERODROME

WAC 3357.

HERBERTVALE CATTLEYARD

ELEV 804

FULL NOTAM SERVICE NOT AVBL

QLD

185731S

1380344E

UTC +10

VAR 5 DEG E

YHCS

UNCR

AD OPR Hawkins Cattle Company, Herbertvale, QLD, 4825. PH 07 4748 4998: 07 4748 4942.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

BRISBANE CENTRE

125.7

CTAF 126.7

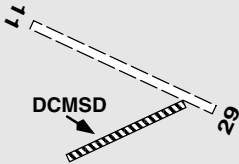
CHARTS RELATED TO THE AERODROME

WAC 3220.

HERMANNSBURG

ELEV 1945

FULL NOTAM SERVICE NOT AVBL



NT

235540S

1324845E

UTC +9:30

VAR 4 DEG E

YHMB

UNCR

AD OPR Ntaria Community Council, Hermannsburg, via Alice Springs, NT, 0871. PH 08 8956 7411.

PASSENGER FACILITIES

Telephone facilities not AVBL.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

MELBOURNE CENTRE

119.8 3500FT

CTAF 126.7

CHARTS RELATED TO THE AERODROME

WAC 3232.

**HERVEY BAY****ELEV 60****AVFAX CODE 4026**

QLD

251908S

1525249E

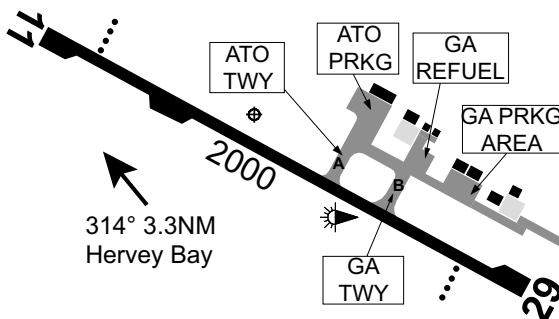
UTC +10

VAR 10 DEG E

YHBA

CERT

AD OPR Fraser Coast Regional Council, PO Box 1943, Hervey Bay, QLD, 4655. PH 1300 794 929.

ARO 0419 671 405. Website: [www.frasercoastairport.com.au](http://www.frasercoastairport.com.au).**REMARKS**

1. AD Charges: Fees apply - see website or CTC AD OPR.
2. This AD is a Security Controlled Airport. All persons (excluding PAX), operating or accessing airside must wear high VIS attire at all times.
3. GA pedestrian access via GA APN only.

**HANDLING SERVICES AND FACILITIES**

World Fuel Services - Fraser Coast Aviation: 2100-0630 UTC DLY. Phone 0412 253 267, AH 2HR PN, call out fee may apply. AVGAS H24 WFS carnet card and credit card (via smartphone app) activated bowser or cash. AVGAS, JET A1, O125, O156.

**PASSENGER FACILITIES**

RF/PT/LG/WC/ME

**SURFACE MOVEMENT GUIDANCE**

RWY 29 DIST to run markers 600/400/200M.

**AERODROME OBSTACLES**

1. Unlit GA APN LGT, 84FT AMSL, 129M NE of RWY CL, infringes TNS BY 7FT.
2. Mobile TWR LIT, 345FT AMSL, BRG 159 MAG, 2.47NM FM ARP, infringes inner HZS.
3. Masts:
  - a. Lit, 400FT AMSL, BRG 270 MAG 2.67NM FM ARP, infringes inner HZS.
  - b. Lit, 250FT AMSL, BRG 142 MAG, 1.9NM FM ARP, infringes inner HZS (NBN mast).
  - c. Unlit, 349FT AMSL, BRG 158 MAG 2.48NM FM ARP, infringes inner HZS.
  - d. Unlit, 370FT AMSL, BRG 270 MAG 2.67NM FM ARP, infringes inner HZS.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT B, METAR/SPECI.
2. AWIS Phone 07 3564 3717 - Report faults to BoM.
3. AWIS FREQ 134.9 - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

11/29 108 66a PCN 42 /F /B /1503 (218PSI) /T Grooved WID 30 RWS 150

**AERODROME AND APPROACH LIGHTING**

|           |         |           |             |               |
|-----------|---------|-----------|-------------|---------------|
| RWY 11/29 | LIRL(1) | PAL 122.8 |             | SDBY PWR AVBL |
| RWY 11/29 | PAPI(2) | PAL 122.8 | 3.0 DEG53FT | SDBY PWR AVBL |

(1) PAL requires three one-second pulses to activate.

(2) Left side. PAL requires three one-second pulses to activate.

RWY edge light spacing: 11/29: 60M.





PHYSICAL CHARACTERISTICS

|       |     |                                                |        |        |
|-------|-----|------------------------------------------------|--------|--------|
| 06/24 | 43a | 5700/ Unrated. Sealed. RWY LEN 1,300M.         | WID 18 | RWS 90 |
| 14/32 | 27c | 5700/ Unrated. Grassed red clay. RWY LEN 820M. | WID 90 |        |

AERODROME AND APPROACH LIGHTING

|                                     |            |            |                      |
|-------------------------------------|------------|------------|----------------------|
| RWY 06/24                           | HIRL       | PAL 120.05 | SDBY PWR AVBL        |
| RWY 06/24                           | PTBL(1)    |            | BY PRIOR ARRANGEMENT |
| (1)                                 | 60 MIN PN. |            |                      |
| RWY edge light spacing: 06/24: 95M. |            |            |                      |

OTHER LIGHTING

1. APN floodlighting is activated by PAL.
2. SDBY PWR switchover time: Manually activated.
3. Blue TWY edge LGT.

ATS AND AERODROME COMMUNICATION FACILITIES

|     |                  |                     |
|-----|------------------|---------------------|
| FIA | MELBOURNE CENTRE | 134.65 Circuit Area |
|-----|------------------|---------------------|

LOCAL TRAFFIC REGULATIONS

1. RWY14/32 not AVBL to ACFT ABV 5,700KG MAX all up weight.
2. PRKG is permitted.
3. Light ACFT PRKG AVBL on tie-downs - not strength rated. ACFT must not taxi into tie-down positions under power.

CTAF 126.7

ADDITIONAL INFORMATION

1. Landside access to APN via gate on the northern side.
2. Animal hazard may exist.

CHARTS RELATED TO THE AERODROME

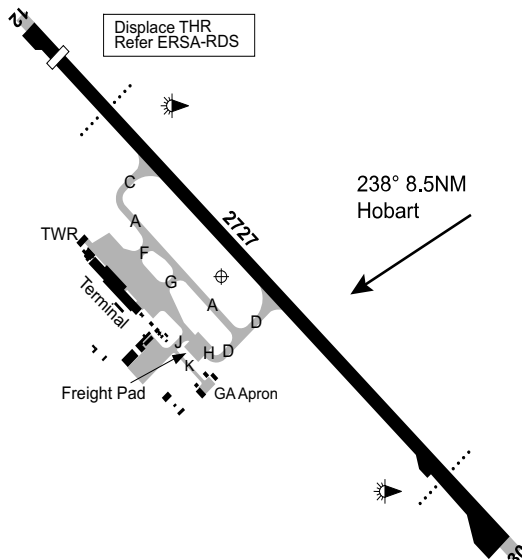
WAC 3457.

**HOBART****ELEV 13****AVFAX CODE 7001**TAS  
425010S

1473037E

UTC +10  
VAR 15 DEG EYMHB  
CERT

AD OPR Hobart International Airport Pty Ltd, Hobart International Airport, 6 Hinkler Rd, Cambridge, TAS, 7170. Email: [operations@hobartairport.com.au](mailto:operations@hobartairport.com.au). PH 03 6216 1600^.  
ARO 0418 120 854. Fax 6248 5540. Website: [www.hobartairport.com.au](http://www.hobartairport.com.au).

**REMARKS**

1. This AD is a Security Controlled Airport.
2. AD Charges: All ACFT AVBL FM website.

**HANDLING SERVICES AND FACILITIES**

Air BP: Hobart Aviation Refuellers. 1900-1000 UTC DLY, AH call-out fee, 1HR PN.  
Phone H24 03 6248 5713, Fax 03 6248 5715, email: [enquiries@hobartaviationrefuellers.com.au](mailto:enquiries@hobartaviationrefuellers.com.au).  
JET A1 only.

ACFT marshalling is the responsibility of ACFT operators.

**RESCUE AND FIREFIGHTING SERVICES**

1. CAT 7:
  - a. 1945-1245 UTC DLY EXC SAT.
  - b. 1945-1100 UTC SAT.

*Note: All times 1HR earlier HDS.*
2. 131.0 MHz AVBL HO.
3. Water Rescue Service AVBL.

**APRONS AND TAXIWAYS**

1. Freight ACFT apron pavement rating PCN 49/F/B/1415 (205PSI)/T.
2. APN PRKG PSN designation number markings are not sequential.
3. TWY K not AVBL for ACFT above 5,700KG MTOW or wingspan greater than 12M.
4. GA apron HJ only.

AERODROME OBSTACLES

1.

BLDG 188FT AMSL BRG 261 MAG 2.63NM FM ARP infringes conical SFC.
2.

Frangible lattice weather mast 45FT AMSL BRG 113MAG 0.9NM FM ARP. Lit with steady red OBST light and marked with alternating red and white. Infringes approach SFC.
3.

Fence 21FT AMSL BRG 121 MAG 1,728M FM ARP. Infringes APCH SFC by up to 3FT.
4.

Towers:

a.

Lit and marked phone TWR 738FT AMSL at Single Hill BRG 177 DEG MAG 2.5NM FM ARP. Infringes HZS.

b.

Lit and marked phone TWR 906FT AMSL at Butchers Hill BRG 310 DEG MAG 6.18NM FM ARP. Infringes HZS.

c.

Lit and marked phone TWR 164FT AMSL at Tower Hill BRG 251 DEG MAG 0.39NM FM ARP. Infringes inner HZS.

d.

Unlit phone TWR 710FT AMSL at Mt Augustus BRG 170 DEG MAG 7.86NM FM ARP. Infringes outer HZS by 212FT.

e.

Communications TWR 653FT AMSL at Weston Hill BRG 011 DEG MAG 4.82NM FM ARP. Infringes outer HZS.

f.

Mt Mather communications TWR. Lit 652FT AMSL PSN 425541.23S 1472826.63E BRG 182 DEG MAG 5.75NM FM ARP. Infringes outer HZS.

g.

Lit and marked TWR 755FT at Lewisham BRG 081 DEG MAG 6.2NM FM ARP. Infringes outer HZS.

h.

Marked and lit mast 669FT AMSL at Lauderdale BRG 170 DEG MAG 5.38NM FM ARP. Infringes outer HZS by 171FT.

i.

Lit communications TWR 1,893FT AMSL at Grasstree Hill BRG 283 DEG MAG 7.75NM FM ARP. Infringes outer HZS by 1,394FT.
5.

Groups of trees:

a.

46FT AMSL BRG 306 DEG MAG 1,728M FM ARP. Infringes takeoff SFC by up to 2FT.

b.

46FT AMSL BRG 300 DEG MAG 1,705M FM ARP. Infringes takeoff SFC by up to 3FT.

METEOROLOGICAL INFORMATION PROVIDED

1.

TAF CAT A, METAR/SPECI, TAF3 H24, AD WRNG, WS WRNG.
2.

AWIS PH 03 6283 8602 - Report faults to BoM.
3.

AWIS FREQ 122.375 (requires one-second transmit pulse to activate) - Report faults to AD OPR.
4.

MET INFO AVBL FM Airservices Pilot Briefing. Elaborative briefing FM MWO 03 6221 2026.

PHYSICAL CHARACTERISTICS

12/3012089aPCN 63 /F /D /1750 (254PSI) /T GroovedWID 45RWS 300

AERODROME AND APPROACH LIGHTING

- RWY 12/30

HIRL

SDBY PWR AVBL
- RWY 12/30

MIRL

AFRU+PAL 118.1

SDBY PWR AVBL
- RWY 12/30

PAPI

AFRU+PAL 118.1

3.0 DEG53FT

SDBY PWR AVBL
- RWY 12

HIAL-CAT I

AFRU+PAL 118.1

SDBY PWR AVBL
1.

ALS type and length

a.

RWY 12 - distance coded CL: 850M.
2.

RWY edge light spacing: 12/30: 59M.
3.

RWY guard LGT (RGL) at all RWY/TWY intersections.
4.

Responsible person AVBL on CTAF outside TWR HR. Report PAL faults on CTAF or Phone 03 6216 1600^, and Melbourne Centre 125.55.

OTHER LIGHTING

- HBN

On nearby hills, refer to IAL charts.
1.

Secondary PWR switchover time: 1 SEC during LVP; 15 SEC OT.
2.

TWY LGT: Green CL. AVBL on all TWY except TWY K.

**ATS AND AERODROME COMMUNICATION FACILITIES**

|      |                  |     |                  |
|------|------------------|-----|------------------|
| FIA  | HOBART CENTRE    | (1) | 125.55 On Ground |
| FIA  | MELBOURNE CENTRE | (2) | 125.55 On Ground |
| ACD  | HOBART GROUND    |     | 121.7            |
| APP  | HOBART APPROACH  | (3) | 125.55           |
| ATIS | HOBART ATIS      |     | 112.7 128.45     |
| SMC  | HOBART GROUND    |     | 121.7            |
| TWR  | HOBART TOWER     |     | 118.1            |

(1) During APP HR.

(2) Outside APP HR.

(3) Automatic re-transmit when combined with LAUNY APP.

1. TWR and APP HR: 1950-1210 UTC DLY (1HR earlier during HDS).

*Note: TWR and APP HR operates independently and may change at short notice, check status of airspace with ATS, Hobart ATIS or NOTAM.*

2. Phone HOBART TWR: 03 6248 3096^, HB APP: 03 9235 2012^.

3. HOBART TWR provides a non-surveillance TWR CTL service within the YMHB Class D CTR and CTA steps:

a. SFC to 1,500FT east of the YMHB RWY 12/30 extended CL and;

b. SFC to 2,500FT west of the YMHB RWY 12/30 extended CL extended to 11NM TASUM to the north-west.

4. Hobart TWR also provides information for Cambridge AD traffic.

5. HOBART APP provides a surveillance APP CTL service within the YMHB CTA steps (extending to 70NM TASUM), up to FL245.

6. Outside TWR/APP HR, Class C and Class D airspace WI 35NM TASUM SFC to 8,500FT AMSL becomes Class G.

**RADIO NAVIGATION AND LANDING AIDS**

|     |     |                    |           |            |     |
|-----|-----|--------------------|-----------|------------|-----|
| DME | HB  | 112.7/ 74X         | 424957.6S | 1473038.8E | (2) |
| VOR | HB  | 112.7              | 424958.0S | 1473038.4E | (1) |
| DME | IHB | 109.9/ 36X (RWY12) | 424948.4S | 1473021.6E | (3) |
| GP  | IHB | 333.8 (RWY12)      | 424948.7S | 1473021.3E |     |
| ILS | IHB | 109.9 (RWY12)      | 425047.8S | 1473133.5E |     |
| LOC | IHB | 109.9 (RWY12)      | 425047.8S | 1473133.5E |     |

(1) RESTRICTION: Coverage reduced by terrain shielding in all sectors.

(2) Antenna ELEV 28FT.

(3) Antenna ELEV 22FT.

Outside TWR HR LOC, GP, VOR, DME, monitored by Melbourne Centre. All other aids pilot monitored. ILS not protected outside TWR HR.

**LOCAL TRAFFIC REGULATIONS**

- ACFT ABV 36,000KG MTOW must use nodes for 180DEG turns, except B737, A220, A320, BAE146, B717, B727, C130, A319, A321, E190, GLEX and GLF6.
- TWY G, H and D BTN TWY A and TWY H not AVBL for wide body ACFT unless approved prior by AD OPR.
- Engine ground running of all ACFT (excluding ENG start up PROC) not permitted without prior approval FM AD OPR. CTC senior OPS office 0418 120 854 H24. ACFT OPR required to broadcast on Hobart SMC (121.7) at start and at finish of ground runs maintaining a listening watch during ENG run.
- Wide body ACFT PRKG requires approval FM AD OPR prior to OPS.
- PRKG of itinerant ACFT must be approved by Hobart Airport. Itinerant aircraft parking request form available via airport website.
- ACFT ABV 36,000KG MTOW LDG RWY 30 vacate at TWY C unless otherwise advised by ATC.
- HLS not provided.
- During daylight OPS HEL aiming point is TWY A unless otherwise approved by the AD OPR.
- During nighttime OPS HEL aiming point is RWY 12/30 unless otherwise approved by the AD OPR.
- HEL TAX is via marked TWY only unless otherwise approved by the AD OPR.

11. Temporary parked ACFT on the TWY H Freight Pad will close TWY H BTN TWY D and J, TWY D BTN TWY A and H and will be marked by cones and lights at these locations.
12. **INSTRUMENT APPROACH TRAINING**
  - a. Capacity for instrument APCH training at YMHB is limited and is subject to scheduled operations. Instrument APCH training availability can be found via [www.bookawk.com](http://www.bookawk.com).
  - b. All ACFT planning practice instrument APCH (AVBL during APP HR only) must book a slot online at [www.bookawk.com](http://www.bookawk.com).
  - c. Practice VOR approaches are restricted to ACFT below 5,700KG MTOW.
  - d. Practice approaches to the non-duty runway may not be available or subject to extensive delays.

## **FLIGHT PROCEDURES**

1. **ATC TRAFFIC MANAGEMENT SPEED**

ACFT ARR or DEP YMHB (including practice instrument APCH) must not exceed 250KT IAS when BLW 10,000FT AMSL. Advise ATC if a higher speed is operationally required.
2. Right hand circuits RWY 30.
3. During TWR HR Airways Clearance shall be requested prior to requesting a taxi clearance.
4. **COMMUNICATIONS FAILURE**

If VFR in Class G airspace.

  - a. Carry out general COM failure procedures.
  - b. Stay in VMC.
  - c. Proceed to CBG.
  - d. Broadcast intentions on 118.1.
  - e. Squawk 7600.
  - f. Enter CTR from the west between Tasman Bridge (TAS) and Droughty Point (DRP) at 1,500FT AMSL. Remain to the west of a line Seven Mile Beach Township - Hobart Airport - Radio Telescope. Proceed to overhead CBG. Ascertain landing direction and descend to 1,000FT AMSL. Proceed with a normal approach and landing with a circuit direction that will keep the aircraft to the west of CBG and clear of the Hobart runway approaches. Maintain separation from other aircraft. Listen out on ATIS for instructions. Watch for light signals from Hobart Tower.
  - g. Contact the tower by phone after landing.
5. **HOBART CTR AWK**
  - a. Capacity for AWK in the YMHB CTR is limited and priority for AWK, including circuit training at YMHB or YCBG, is allocated according to bookings made online: [www.bookawk.com](http://www.bookawk.com).
  - b. All AWK other than circuit training at YMHB and YCBG must also be coordinated with Hobart TWR by phone prior to flight planning.
6. **OUTSIDE TWR AND APP HR PROCEDURES**
  - a. Melbourne Centre provides ATS services in the Hobart Class A, C and E airspace ABV 8,500FT AMSL.
  - b. Melbourne Centre provides Class G services below CTA.
  - c. Departures
    - (i) Normal CTAF procedures apply.
    - (ii) Include RWY and preferred departure procedure (if IFR) with Taxi report to Melbourne Centre.
  - d. Arrivals:
    - (i) Advise Melbourne Centre of intended landing RWY and preferred approach (if IFR).

7. VFR Route 1: **VICTOR NORTHWEST**  
**Inbound:** Track CBV-CPA-RCH west of the Colebrook/Richmond Road to west abeam RADT.  
**Outbound:** Track west abeam RADT-RCH-CPA-CBV remain west of the Richmond/Colebrook Road.  
VFR Route 2: **VICTOR NORTHEAST**  
**Inbound:** Track CBV-CPA-Orielton-SORL remain east of Colebrook Road to CPA then via Orielton east of Tasman HWY to SORL. **Note:** Expect circuit joining instructions **OR** to orbit north of SORL depending on traffic.  
**Outbound:** Track as directed by ATC to SORL then Orielton remain east of Tasman HWY, thence east of Colebrook Rd east of CPA to CBV.  
VFR Route 3: **VICTOR EAST**  
**Inbound:** Track DLY-SORL north of the Arthur HWY. **Note:** Expect circuit joining instruction **OR** to orbit southeast of SORL depending on traffic.  
**Outbound:** Track as directed by ATC to SORL thence north of Arthur HWY to DLY.  
VFR Route 4: **VICTOR SOUTHWEST**  
**Inbound:** Track DRP to-CBG west of Mt Rumney.  
**Outbound:** Track west of Mt Rumney to DRP.  
VFR Route 5: **VICTOR SOUTH**  
**Inbound:** Track CRM-LAUD-CBG.  
**Outbound:** Track LAUD-CRM.  
VFR Route 6: **VICTOR WEST**  
**Inbound:** Track BOWB to Risdon Vale thence Cambridge township.  
**Outbound:** Track to Risdon Vale thence BOWB.
8. **LOW VISIBILITY OPERATIONS**  
For CASA approved operators, RWY is capable of supporting takeoffs with an RVR/RWY VIS of not less than 350M.
- Preparations for Low Visibility Procedures (LVP) commence when VIS has reduced to 2,300M.
  - During conditions of less than CAT I minima, only one ACFT is permitted on the manoeuvring area.
  - All ACFT and vehicle under positive control of ATC.
  - Vehicle access to manoeuvring area restricted to ARO and ARFF.

**CTAF - AFRU 118.1**

Outside HB TWR HR.

**NOISE ABATEMENT PROCEDURES**

Noise Abatement Procedures (NAP) apply. Refer AIP DAP.

**ADDITIONAL INFORMATION**

- Bird hazard exists. JUN-NOV black cockatoos crossing RWY during early morning and late afternoon. Bird watch reports developed by AD OPR for specific wildlife hazards if required. Email: operations@hobartairport.com.au to be included on distribution list.
- APCH to RWY 30 in strong winds will produce temporary (less than 2 SEC) but minor vertical updrafts (+500FT/MIN) immediately above the sand dune area.
- Immediately before the sand dune induced updraft of Note 2, a less severe downdraft could occur for a similar short duration.
- Weather balloon launch APRX 2315 and 1115 UTC FM 1KM W ARP. Launches may occur at other times.

**CHARTS RELATED TO THE AERODROME**

- WAC 3556.
  - Aerodrome Obstacle Chart Type A Revision 6: APR 2022.  
Email: operations@hobartairport.com.au.
  - Also refer to AIP Departure and Approach Procedures.
-

**HOBART/CAMBRIDGE****ELEV 67****FULL NOTAM SERVICE NOT AVBL**

TAS

UTC +10

YCBG

424936S

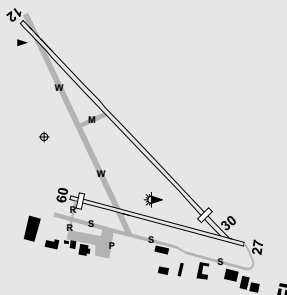
1472829E

VAR 15 DEG E

UNCR

AD OPR Par Avion, PO BOX 324, Rosny Park, TAS, 7018. Email: [flights@paravion.com.au](mailto:flights@paravion.com.au).

PH 03 6248 5390.

**REMARKS**

1. AD not AVBL to ACFT ABV 5,700KG.
2. AD Charges: Contact AD OPR.
3. For operator information visit <http://paravion.com.au/ycbg>

**HANDLING SERVICES AND FACILITIES**

Par Avion: 2200-0700 UTC DLY. Phone 03 6248 5390. AVGAS O125.

World Fuel Services: 24HR JET A1 carnet card and credit card (via smartphone app) bowser.

**PASSENGER FACILITIES**

Public passenger terminal facilities not AVBL, commercial operators must CTC AD OPR.

**PHYSICAL CHARACTERISTICS**

|       |     |                       |        |
|-------|-----|-----------------------|--------|
| 09/27 | 21c | Sealed. RWY LEN 630M. | WID 18 |
| 12/30 | 32c | Sealed. RWY LEN 975M. | WID 18 |

**AERODROME AND APPROACH LIGHTING**

RWY 12/30 LIRL(1) BY PRIOR ARRANGEMENT

- (1) ACT by PAL. PPR FM AD OPR.

Other RWY are illuminated but are only used for taxi guidance.

**ATS AND AERODROME COMMUNICATION FACILITIES**

|      |               |     |        |
|------|---------------|-----|--------|
| FIA  | HOBART CENTRE | (1) | 125.55 |
| ACD  | HOBART GROUND |     | 121.7  |
| ATIS | HOBART ATIS   |     | 128.45 |
| TWR  | HOBART TOWER  |     | 118.1  |

- (1) Outside HB TWR and APP HR ML CENTRE.

1. See HOBART entry in ERSA FAC for TWR HR and airspace.

2. Also provides information for Cambridge AD traffic only DRG TWR HR.

**LOCAL TRAFFIC REGULATIONS**

1. RWY 12/30 is the primary RWY for all ACFT OPS.
2. RWY 09/27:
  - a. AVBL for HEL OPS.
  - b. AVBL for fixed wing OPS when operationally required.
3. CAUTION: Ground vehicles may be operating on movement areas without advice. OPS to/from/on movement areas are conducted under own watch.
4. ACFT ABV 3,000KG must CTC AD OPR prior to arrival for parking and TWY guidance.
5. Public passenger terminal FAC not AVBL, commercial OPR must CTC AD OPR.
6. Helicopter hover taxi to AVGAS fuel FAC prohibited.

7. **HOBART CTR AWK**

a. Capacity for AWK in the YMHB CTR is limited and priority for AWK, including circuit training at YMHB or YCBG, is allocated according to booking made via [www.bookawk.com](http://www.bookawk.com)

b. All AWK other than circuit training at YMHB and YCBG must also be coordinated with YMHB TWR by phone prior to flight planning.
8. **INSTRUMENT APCH TRAINING**

a. Refer to YMHB ERSa FAC for applicable instrument APCH training requirements at YMHB.

**FLIGHT PROCEDURES**

1. **DRG TWR HR, Class D CTR procedures apply, with the following exceptions:**

a. Separation on the YCBG movement area is not provided due to the geographical displacement of Hobart (YMHB) TWR.

b. Prior to leaving APN, ACFT must establish radio COM with HOBART GROUND for FLT notification and/or Airways Clearance.

c. When ready to taxi and prior to leaving the apron ACFT must contact HOBART TOWER, advising intended runway for departure and receipt of YMHB ATIS, to obtain TFC information.

d. LDG and TKOF clearances are not given. ACFT must remain clear of active runway and report ready to HOBART TOWER. ACFT must not enter ACTIVE runway and become airborne until DEP instructions have been issued.

e. Direction of turn on departure and circuit direction will be advised by ATC DRG TWR HR.

f. ACFT operating in the YCBG circuit must report downwind stating RWY and intentions (e.g. touch and go or full stop LDG).

g. After LDG, ACFT must report clear of the RWY to HOBART TOWER.
2. **COMMUNICATIONS FAILURE**

If VFR in Class G airspace.

a. Carry out general COM failure procedures.

b. Stay in VMC.

c. Proceed to CBG.

d. Broadcast intentions on 118.1

e. Squawk 7600

f. Enter CTR from the W between Tasman Bridge (TAS) and Droughty Point (DRP) at 1,500FT AMSL. Remain to the W of a line Seven Mile Beach Township - Hobart Airport - Radio Telescope. Proceed to overhead CBG. Ascertain landing direction and descend to 1,000FT AMSL. Proceed with a normal approach and landing with a circuit direction that will keep the aircraft to the W of CBG and clear of the Hobart RWY approaches. Maintain separation from other ACFT. Listen out on ATIS for instructions. Watch for light signals from Hobart TWR. Contact Hobart TWR by phone 03 6248 3096, after landing.

**CTAF 118.1**  
Outside HB TWR HR.

**CHARTS RELATED TO THE AERODROME**  
WAC 3556.

14

12

04

32

NSW

354100S

1471900E

AD OPR Greater Hume Shire Council, PO Box 99, Holbrook, NSW, 2644.

Email: [mail@greaterhume.nsw.gov.au](mailto:mail@greaterhume.nsw.gov.au). PH Shire 6036 0100.

Fax Shire 6036 2683.

**ELEV 875**

**FULL NOTAM SERVICE NOT AVBL**

UTC +10

VAR 12 DEG E

YHKB

UNCR



**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE

119.5 Circuit Area

**CTAF** 126.7**ADDITIONAL INFORMATION**

Ultralight ACFT CCT training DLY - 500FT AGL.

**CHARTS RELATED TO THE AERODROME**

WAC 3456, 3457.

**HOLSWORTHY****ELEV 250****AVFAX CODE 2103**

NSW

335942S

1505709E

UTC +10

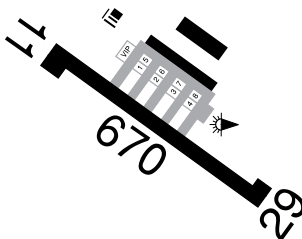
VAR 13 DEG E

YSHW

MIL

AD OPR Dept of Defence, Luscombe Army Airfield, Holsworthy, NSW, 2173.

Email: aro.holsworthy@apac.bgis.com. PH 02 8782 7866. ARO 0408 516 796.

**REMARKS**

1. Luscombe Army Airfield Holsworthy is a Heliport. Fixed wing operators are warned the runway does not necessarily comply in all respects with applicable regulations.
2. Access to Holsworthy HLS by non 6 AVN REGT aircraft restricted to OPR specifically AUTH by 6 AVN Duty Officer (02 8782 7500, 0419 528 777) or AOM (02 8782 7866) or XO (02 8782 7880).
3. The HLS is located in close proximity to small arms and demolition ranges, civil controlled airspace, civil training areas, R521, R555 and physical obstacles. Operators of non 6 AVN REGT are required to comply with the "Local Procedures" section below, and prior liaison with 6 AVN REGT OPS is recommended due airspace complexity.
4. Information on all active ranges except those within the Special Forces Training Facility (SFTF) may be obtained from Holsworthy Range Control (HRC) (PH 02 8782 4372 JO or OT 0400 791 651). Contact range control on 02 8782 4372 or 0413 186 354 or 0417 296 731 prior to DEP to CFM FREQ RQMNTS. Information on active ranges within the SFTF may be obtained from OIC SFTF (PH 02 8782 5106 JO or OT 0439 570 072). HRC and SFTF staff are not trained or familiar with ATC or SAR Alerting PROC.
5. Corporations with infrastructure within R555 and government organisations that require non-emergency air access for management purposes are required to liaise with HRC at least 21 days in advance to request access.

**HANDLING SERVICES AND FACILITIES**

F34 (MIL only) 48HR PN to 6 AVN REGT PH 02 8782 7866 JO, OT Duty Officer PH 0419 528 777.

**AERODROME OBSTACLES**

1. PWR lines 700M N of, and parallel to RWY 11/29 (Red and white support towers APRX 120FT high, unmarked, lit).
2. Heliport Transitional Slope is 20%, (1:5) rises to 45M high and reaches that height 225M from the edge of the strip.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT B, METAR/SPECI.
2. AWIS PH 02 9353 6427 - Report faults to BoM.
3. Use YSBK ATIS 120.9.

**PHYSICAL CHARACTERISTICS**

11/29 111 22a PCN 16 /F /B /1000 (145PSI) /T WID 30 RWS 60  
OVRNs RWY 29, 600FT; RWY 11, 360FT. RWY slopes down to W. CTC 6 AVN REGT OPS for details.

**AERODROME AND APPROACH LIGHTING**

RWY 11/29 LIRL SDBY PWR AVBL

1. 48HR PN to 6 AVN REGT PH 02 8782 7866 JO, OT duty officer PH 0419 528 777.
2. SDBY PWR and apron floodlighting AVBL on request.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA SYDNEY CENTRE 124.55

ATIS BANKSTOWN ATIS (1) 120.9

(1) BANKSTOWN ATIS, ATS not AVBL.

**LOCAL TRAFFIC REGULATIONS**

1. All wheeled ACFT must be ground taxied following yellow lines on apron area.
2. Far eastern pads not to be used for ACFT parking due obstacles.
3. 6 AVN REGT OPS (C/S 60A) monitors CTAF FREQ. Visiting ACFT RQ to contact 60A inbound and on taxi for traffic and parking directions.
4. ACFT RQ to contact HRC on taxi and prior to entering R555 to ascertain status of ranges.
5. RWY 11/29 RWS restrictions: RWS FM end of turning node RWY 29 to abeam the illuminated WDI not AVBL. Marked at night by red LGT EXC when NVG OPS in progress.
6. HEL training OPS not to be conducted in vicinity of buildings without approval from the Base Support Manager - Liverpool Military Area 02 8782 4635.
7. IFR ACFT CTC Sydney Centre on 124.55 MHz prior to TAXI for DEP.

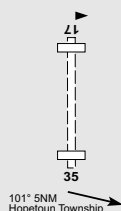
**FLIGHT PROCEDURES**

1. Right hand circuits RQ when OPR on RWY 29.
2. All CCT OPS to remain clear of Small Arms Danger Area (SADA), SFTF and OP LIMIT "no go" zones and, unless a clearance obtained, civil controlled airspace to the east. OPS within SFTF and OP LIMIT "no go" zones by booking only.
3. ACFT RQ to contact 90B on Air Coordination Net (ACN) 136.5 MHz inbound and on taxi for range status and exit of R555.
4. Pilots of transponder equipped ACFT shall switch transponder to ON/ALT prior to entry and during all flights WI R555.
5. Sydney Centre 124.55 MHz will hold SARWATCH for ARR/DEP IFR ACFT on request.
6. Preferred entry route to Luscombe Army Airfield FM N is via 2RN remaining CLR of the SADA and E-W power lines, but no closer than 1/2 NM FM YSBK CTR.
7. ACFT to remain clear of SADA and SFTF and OP LIMIT "no go" zones and sectors B, C, D, E, G and H unless clearance obtained from HRC and OIC SFTF.
8. ACFT to remain clear of R521.
9. MIL ACFT may OPR WI R555 up to the following vertical limits without reference to Sydney ATS:
  - a. 2,000FT AMSL in R555A;
  - b. 2,000FT AMSL in R555C DLY 2100-1100 (1 HR earlier HDS) OT by NOTAM;
  - c. 1,500FT AMSL in R555F JO 2100-1400 (1 HR earlier HDS) OT by NOTAM; and
  - d. 1,000FT BLW the NOTAM upper limit of R555B and R555D during active hours. provided relevant clearances have been obtained from HRC and SFTF.
10. Airways clearance to transit R555 ABV 2,000FT when active may be AVBL. CTC Sydney Centre on 124.55 MHz.
11. Civil EMERG services ACFT cleared to enter R555 shall be instructed by SY ATC to broadcast on the Holsworthy CTAF and ACN, on entry and exit, and to monitor the CTAF and ACN for the duration of OPS in R555.
12. Civil EMERG ACFT that request OPS within R555 may be required to cancel IFR and operate VFR.
13. All ACFT operating within R555 will receive an ATS equivalent to that of Class G.
14. Pilots operating in R555 and requesting a clearance to enter Civil CTA/Sydney CTR, shall remain responsible for separation with all flying and non-flying activity in R555.

15. Where neither civil ATC nor the Pilot in Command (PIC) of the civil EMERG services ACFT are able to establish CTC with HRC or 6 AVN REGT to confirm the status of flying and non-flying activity within R555; the PIC of the civil EMERG services ACFT shall be informed of this inability to make CTC. Should the PIC of the civil EMERG services ACFT request a clearance to enter R555 whilst the flying and non-flying status is unknown, the PIC shall accept responsibility for separation with all flying and non-flying activity. Pilots shall broadcast on the Holsworthy CTAF and ACN and monitor the CTAF and ACN for the duration of their OPS in R555.
16. EMERG services ACFT may operate in the portion of R555 west of the Georges River bank abutting Holsworthy Range and the portion of Holsworthy Range known as Long Point, no further south than the high tension power line, SFC to 2000FT AMSL in VMC without reference to Holsworthy Range CTL or 6 AVN REGT. All EMERG services ACFT are to broadcast entry, intention and DEP on the YSHW CTAF FREQ. ACFT should also contact SY Centre on 124.55 and advise intentions. A wake turbulence waiver is automatically initiated BTN EMERG services ACFT and MIL medium wake turbulence category ACFT on entry into R555.
17. Landing and takeoff to RWY permitted during hot refuel operations provided any ACFT conducting hot refuelling remain E of apron area and landing/take off is confined to west of the VIP pad. Aircraft are not to overfly the hot refuel operation on take off or final approach.
18. Simultaneous operations to RWY 11/29 and adjacent grass permitted.

**CTAF 121.0****CHARTS RELATED TO THE AERODROME**

1. WAC 3455, 3456, AUSPEC0203.
2. Holsworthy Special 1:50,000 Edition 4, 2009.

**HOMESGLEN****ELEV 262****FULL NOTAM SERVICE NOT AVBL**

VIC  
354142S 1421534E  
AD OPR Lindsay & Fay Afford, PO Box 132, Hopetoun, VIC, 3396.  
Email: fayafford52@bigpond.com. PH 03 5083 3224: 0437 833 224 (H24):  
0400 966 599: 0439 347 449.

UTC +10  
VAR 10 DEG E  
YHGN  
UNCR

**REMARKS**

PPR.

**HANDLING SERVICES AND FACILITIES**

Fuel: private stock only.

**PASSENGER FACILITIES**

Transport to/from AD AVBL with prior notice.

**AERODROME OBSTACLES**

1. Power line on fence line on APCH to RWY 35.
2. TV aerials, trees and cattle yard on APCH to RWY 17.  
*Note: Power line LCA to W of RWY 17/35 but clear of APCH paths.*

**PHYSICAL CHARACTERISTICS**

17/35 26c Grass. RWY LEN 800M WID 18

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 125.8

**CTAF 126.7****ADDITIONAL INFORMATION**

Bird and animal hazard exists.

**CHARTS RELATED TO THE AERODROME**

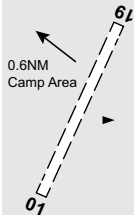
WAC 3458.

HONEYMOON

ELEV 416

FULL NOTAM SERVICE NOT AVBL

UTC +9:30 YHON  
VAR 8 DEG E UNCR



SA  
314512S 1403954E  
AD OPR Uranium One Australia Pty Ltd, PO Box 3644, Rundle Mall, SA, 5000.  
PH 08 8080 0900 (Site Admin). Fax 08 8080 0999.

REMARKS  
PPR.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA MELBOURNE CENTRE 122.6

CTAF 126.7

CHARTS RELATED TO THE AERODROME

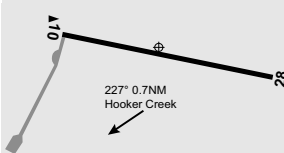
WAC 3355.

HOOKER CREEK

ELEV 1089

AVFAX CODE 8406

FULL NOTAM SERVICE NOT AVBL



NT  
181942S 1303848E  
AD OPR Wulain Homelands Council Aboriginal Corporation, PMB  
9, Katherine, NT, 0852. Email: wulain@bigpond.com or  
wulain001@outlook.com. PH 08 8975 0640. ARO 0458 863 431 or  
0409 028 903.

REMARKS

This AD is a Security Controlled Airport.

HANDLING SERVICES AND FACILITIES

Lajamanu Aircraft Refuellers: 24HR PN required. PH 08 8975 0896, AH PH 0459 500 307. AVGAS  
and JET A1 AVBL 0117, 0125.

PASSENGER FACILITIES

Telstra network AVBL.

METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT D, METAR/SPECI.
2. AWIS PH 08 7922 2508 - Report faults to BoM.

PHYSICAL CHARACTERISTICS

10/28 52a Unrated. Sealed WID 30 RWS 90  
RWY BRG 101 DEG MAG.  
RWY slopes 1.31% down to the E.

AERODROME AND APPROACH LIGHTING

RWY 10/28 PTBL(1) BY PRIOR ARRANGEMENT  
(1) EMERG only.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA BRISBANE CENTRE 123.7 5000FT

RADIO NAVIGATION AND LANDING AIDS

NDB HOO 398 181951.4S 1303813.9E Range 50 (HN 50) (1)  
(1) Pilot monitored - 124/0.4 to ARP.

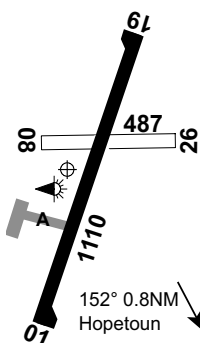
CTAF 126.7

ADDITIONAL INFORMATION

Bird and animal hazard exists on AD.

CHARTS RELATED TO THE AERODROME

WAC 3222.

**HOPETOUN****ELEV 256****AVFAX CODE 3027**

VIC  
354255S 1422135E UTC +10 YHPN  
VAR 10 DEG E CERT  
AD OPR Yarriambiack Shire Council, PO Box 243, Warracknabeal, VIC,  
3393. PH 03 5398 0100. ARO 03 5083 3149: 03 5083 3124: 03 5083 3078:  
03 5083 3527. PH AH 03 5083 3124. Fax 03 5394 1802.

**METEOROLOGICAL INFORMATION PROVIDED**

METAR/SPECI

**PHYSICAL CHARACTERISTICS**

|       |     |     |                                  |        |        |
|-------|-----|-----|----------------------------------|--------|--------|
| 01/19 | 010 | 36a | PCN 10 /F /B /600 (87PSI) /U     | WID 18 | RWS 90 |
| 08/26 | 080 | 16c | Unrated. Grassed brown silt clay | WID 30 | RWS 90 |

**AERODROME AND APPROACH LIGHTING**

RWY 01/19 LIRL PAL+AA 123.9

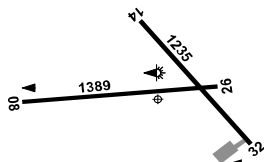
**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 125.8 Circuit Area

CTAF 126.7

**CHARTS RELATED TO THE AERODROME**

WAC 3458.

**HORN ISLAND****ELEV 43****AVFAX CODE 4502**

QLD  
103511S 1421724E UTC +10 YHID  
VAR 5 DEG E CERT  
AD OPR Torres Shire Council, PO Box 171, Thursday Island, QLD,  
4875. Email: aro.hiairport@torres.qld.gov.au.  
PH Airport 07 4069 1314. ARO H24 0429 691 338.

**REMARKS**

1. Australian Borderforce and Biosecurity.
2. AD Charges: parking, passenger and landing fees applicable.
3. Limited ACFT parking AVBL. Contact ARO with 48HR PN.
4. Security controlled AD. All aircrew to wear safety visibility vest while on APN area.
5. Access requirements - contact ARO.
6. Extensive HEL OPS ranging FM light to medium/heavy OPR HJ and HN. HEL OPS HJ are not restricted to RWY and may be OPR in accordance with HEL procedures in *AIP ENR*.

**HANDLING SERVICES AND FACILITIES**

AIR BP: 2000-0800 UTC MON-SAT, 2100-0700 UTC SUN. No AH service AVBL.

Phone 07 4069 2224, H24 0499 692 411. VHF 129.9. JET A1, AVGAS, O117, O125. MC, V, AIR BP Carnet Card.

Viva Energy: 2130-0700 UTC MON-FRI. SAT-SUN with PN. AH service AVBL on request. Phone 0484 251 671. JET A1, AVGAS.

**PASSENGER FACILITIES**

WC/PT/RF/Public Transport.

APRONS AND TAXIWAYS

Apron and TWY rating 9/F/A/1000/T.

AERODROME OBSTACLES

1.

Lit terrain 130FT AMSL BRG 73 MAG 0.9NM FM ARP.
2.

Lit terrain 144FT AMSL BRG 79 MAG 0.9NM FM ARP.
3.

Lit terrain 226FT AMSL BRG 89 MAG 0.9NM FM ARP.
4.

Lit terrain 398FT AMSL BRG 103 MAG 1.8NM FM ARP.
5.

Unmarked and unlit communication TWR 222FT AMSL APRX BRG 256 MAG 1.8NM FM ARP. Infringes inner HZS by 13FT.
6.

Trees infringe TNS by up to 20FT either side of RWY 08/26.

METEOROLOGICAL INFORMATION PROVIDED

1.

TAF CAT A, METAR/SPECI.
2.

AWIS Phone 07 3564 3718 - Report faults to BoM.
3.

AWIS FREQ 122.125 - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

08/26

080

46a

PCN 16 /F /A /1000 (145PSI) /T Grooved

WID 30

RWS 150

14/32

135

41a

PCN 4 /F /A /850 (123PSI) /T

WID 23

RWS 90

AERODROME AND APPROACH LIGHTING

RWY 08/26

PTBL(1)

BY PRIOR ARRANGEMENT

RWY 08

LIRL

AFRU+PAL 126.5

SDBY PWR AVBL

RWY 08

PAPI(3)

AFRU+PAL 126.5

3.0 DEG44FT

SDBY PWR AVBL

RWY 26

LIRL(2)

AFRU+PAL 126.5

SDBY PWR AVBL

RWY 26

PAPI(3)

AFRU+PAL 126.5

3.2 DEG50FT

SDBY PWR AVBL

RWY 14/32

PTBL(1)

BY PRIOR ARRANGEMENT

(1)

PN

(2)

Lighting WID 33.6M

(3)

Left hand side

RWY edge light spacing: 08/26: 90M.

OTHER LIGHTING

- HBN

SE of AD
1.

Secondary PWR switchover time: 15 SEC.
2.

TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

BRISBANE CENTRE

120.3 On Ground

RADIO NAVIGATION AND LANDING AIDS

NDB

HID

356

103531.4S

1421733.2E

Range 50 (HN 50) OW 100 (OW HN100)

FLIGHT PROCEDURES

1.

Due to terrain, TKOF RWY 14 and land RWY 32 not AVBL.
2.

For special procedures which apply to Torres Strait biosecurity requirements, see ERSa GEN - SPECIAL PROCEDURES.

CTAF - AFRU 126.5

ADDITIONAL INFORMATION

Bird hazard exists (migratory).

CHARTS RELATED TO THE AERODROME

1.

WAC 3097.
2.

Also refer to AIP Departure and Approach Procedures.

**HORSHAM****ELEV 445****AVFAX CODE 3022**

VIC

UTC +10

YHSM

364011S

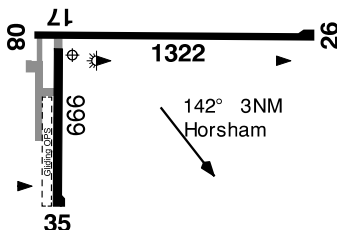
1421022E

VAR 10 DEG E

CERT

AD OPR Horsham Rural City Council, PO Box 511, Horsham, VIC, 3402. PH 03 5382 9777.

ARO 0408 504 255.

**HANDLING SERVICES AND FACILITIES**

BP - Horsham Aero Club: 2200-0700 UTC MON-FRI. H24 BP AVGAS Card swipe bowser, H24 BP JET A1 Cardswipe bowser (BP Card Only). Phone 0417 501 624, 1HR PN required. Call-out fee will apply. Cash or BP carnet only.

**PASSENGER FACILITIES**

WC/PT (local only)/ME - ACFT and glider repairs AVBL.

**AERODROME OBSTACLES**

1. Lit OBST, ELEV 1,126FT, 4NM NE of AD.
2. Unlit OBST, ELEV 647FT 3NM ESE of AD.
3. Hangar corner 136M SW of THR RWY 08. Infringes transitional SFC by 8FT.
4. Unlit OBST, ELEV 514FT AMSL BRG 228 MAG 483M FM ARP.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT D, METAR/SPECI.
2. AWIS Phone 03 8470 3209 - Report faults to BoM.
3. AWIS FREQ 122.925 - Requires one second pulse to activate.

**PHYSICAL CHARACTERISTICS**

|       |     |     |                                      |        |        |
|-------|-----|-----|--------------------------------------|--------|--------|
| 08/26 | 080 | 43a | PCN 6 / F / B / 580 (84PSI) / U      | WID 30 | RWS 90 |
| 17/35 | 170 | 33a | PCN 6 / F / B / 5700/580 (84PSI) / U | WID 24 | RWS 80 |

**AERODROME AND APPROACH LIGHTING**

|           |         |              |                      |
|-----------|---------|--------------|----------------------|
| RWY 08/26 | LIRL    | PAL+AA 122.3 | SDBY PWR AVBL        |
| RWY 08/26 | PTBL(1) |              | BY PRIOR ARRANGEMENT |
| RWY 17/35 | LIRL    | PAL+AA 122.3 |                      |
| RWY 17/35 | PTBL(1) |              | BY PRIOR ARRANGEMENT |

(1) 60 MIN PN.

RWY edge light spacing: 17/35: 57M; 08/26: 95M.

**OTHER LIGHTING**

TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

|        |                  |                 |
|--------|------------------|-----------------|
| FIA    | MELBOURNE CENTRE | 125.8 On Ground |
| UNICOM | HORSHAM UNICOM   | 118.8 (1)       |

- (1) CS "Horsham UNICOM". TX, fuel, SFC WX and MOV, MON-FRI 0800-1700 Local, serviced by volunteers, usually quick response.

**LOCAL TRAFFIC REGULATIONS**

1. Limited parking for ACFT ABV 5,700KG MTOW by prior notice.
2. Due to soil cracking and subsidence around movement areas restrict operations to sealed and prepared surfaces. Except glider operations as per AD Manual.

**CTAF - AFRU 118.8**

ADDITIONAL INFORMATION

- 1. Gliding OPS HJ JF.
- 2. Seasonal aerial spraying operations.

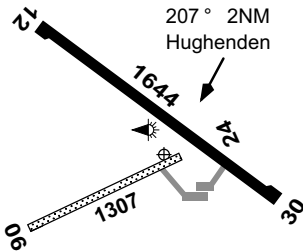
CHARTS RELATED TO THE AERODROME

- 1. WAC 3469.
- 2. Also refer to AIP Departure and Approach Procedures.

HUGHENDEN

ELEV 1043

AVFAX CODE 4317



QLD  
204854S      1441331E      UTC +10      YHUG  
204854S      1441331E      VAR 7 DEG E      CERT

AD OPR Flinders Shire Council, PO Box 274, Hughenden,  
QLD, 4821. PH 07 4741 2900. ARO 0427 411 821.

REMARKS

- 1. AD Charges: \$11.50/tonne/landing for all ACFT. Flight training exercises to be paid for the first four landings per day, thereafter free of charge.
- 2. This AD is a Security Controlled Airport.

HANDLING SERVICES AND FACILITIES

Peter Riordan - Fuel. PN required. Call-out fee applies. Phone MON-FRI 07 4741 1536, MOB 0438 290 403, 0447 778 205. AVGAS bowser, JET A1 (bowser). Cash and Credit card.

AERODROME OBSTACLES

2 unlit masts 1367FT AMSL 212/2.8NM FM ARP.

METEOROLOGICAL INFORMATION PROVIDED

- 1. TAF CAT D, METAR/SPECI.
- 2. AWIS PH 07 3564 3719 - Report faults to BoM.
- 3. AWIS FREQ 122.375 (requires one-second pulse to activate) - Report faults to 0427 411 821.

PHYSICAL CHARACTERISTICS

|       |     |     |                               |        |         |
|-------|-----|-----|-------------------------------|--------|---------|
| 06/24 | 059 | 43c | Unrated. Brown gravel         | WID 18 | RWS 60  |
| 12/30 | 121 | 54a | PCN 13 /F /D /850 (123PSI) /T | WID 30 | RWS 150 |

AERODROME AND APPROACH LIGHTING

|           |      |                |               |
|-----------|------|----------------|---------------|
| RWY 12/30 | LIRL | AFRU+PAL 126.7 | SDBY PWR AVBL |
|-----------|------|----------------|---------------|

- 1. RWY 12/30 edge light spacing: 60M.
- 2. Auto SDBY generator AVBL. Switchover time: 15 SEC.

ATS AND AERODROME COMMUNICATION FACILITIES

|     |                 |                    |
|-----|-----------------|--------------------|
| FIA | BRISBANE CENTRE | 119.8 Circuit Area |
|-----|-----------------|--------------------|

RADIO NAVIGATION AND LANDING AIDS

|     |         |           |            |                   |
|-----|---------|-----------|------------|-------------------|
| NDB | HUG 371 | 204914.2S | 1441344.5E | Range 110 (HN 70) |
|-----|---------|-----------|------------|-------------------|

LOCAL TRAFFIC REGULATIONS

RWY 12/30 all ACFT ABV 5,700KG MTOW must use RWY turning nodes and MAX radius turns.

CTAF - AFRU 126.7

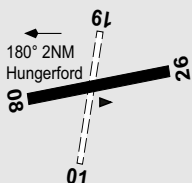
ADDITIONAL INFORMATION

- 1. Bird and animal hazard exists.
- 2. Caution: HEL operate scenic flights from AD direct to Porcupine Gorge and White Mountain National Parks (and direct between both). Flights operate SFC-3,500FT AMSL during daylight hours from April to October. For INFO CTC 0429 413 117.

CHARTS RELATED TO THE AERODROME

- 1. WAC 3234.
- 2. Also refer to AIP Departure and Approach Procedures.



**HUNGERFORD****ELEV 600****FULL NOTAM SERVICE NOT AVBL**

QLD

285946S

1442711E

UTC +10

VAR 9 DEG E

YHRD

UNCR

AD OPR Bulloo Shire Council, PO Box 46, Thargomindah, QLD, 4492.

PH 07 4655 3133. Fax 4655 3131.

**REMARKS**PPR. Contact Bulloo Shire Council (Hungerford) Phone/Fax  
07 4655 4105 or Hungerford Police 07 4655 4088 and UHF CH 5.**AERODROME OBSTACLES**

Powerline 300M N RWY 19 THR.

**AERODROME AND APPROACH LIGHTING**

PTBL - lights and flares AVBL for EMERG only.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

124.8

**FLIGHT PROCEDURES**

Overfly town for pick up.

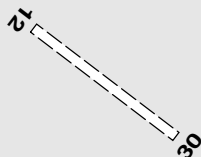
**CTAF** 126.7**ADDITIONAL INFORMATION**

Animal hazard may exist.

**CHARTS RELATED TO THE AERODROME**

WAC 3356.

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**IFFLEY****ELEV 140****FULL NOTAM SERVICE NOT AVBL**

QLD  
 185400S 1411300E  
 AD OPR M.D.H Pty Ltd, Iffley Station, via Mount Isa, QLD, 4825.  
 PH 07 4745 3434.

UTC +10  
 VAR 6 DEG E

YIFY  
 UNCR

**PASSENGER FACILITIES**

Telephone facilities not AVBL.

**ATS AND AERODROME COMMUNICATION FACILITIES**

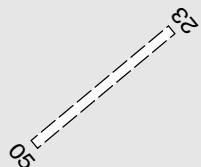
FIA BRISBANE CENTRE 118.6 3000FT

**CTAF** 126.7**ADDITIONAL INFORMATION**

Possibility of feral animals on AD.

**CHARTS RELATED TO THE AERODROME**

WAC 3220.

**ILFRACOMBE****ELEV 720****FULL NOTAM SERVICE NOT AVBL**

QLD  
 232818S 1443203E  
 AD OPR Ilfracombe Shire Council, PO Box 1, Ilfracombe, QLD, 4727.  
 Council PH 07 4658 2233. Fax 4658 2598.

UTC +10  
 VAR 8 DEG E

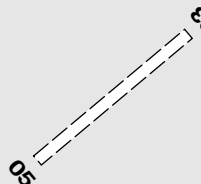
YILF  
 UNCR

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 122.1 Circuit Area

**CTAF** 126.7**CHARTS RELATED TO THE AERODROME**

WAC 3234.

**INGHAM****ELEV 49****AVFAX CODE 4410****FULL NOTAM SERVICE NOT AVBL**

QLD  
 183938S 1460906E  
 AD OPR Hinchinbrook Shire Council, PO Box 366, Ingham, QLD, 4850.  
 PH 07 4776 4600: AD 0428 784 131.

UTC +10  
 VAR 7 DEG E

YIGM  
 UNCR

**REMARKS**

AD Charges: All ACFT.

**HANDLING SERVICES AND FACILITIES**

Liddles Air Services Pty Ltd - PH 07 4776 2030 or mobile 0419 674 073  
 AVGAS Bowser and JET A1 drums by prior arrangement.

**PASSENGER FACILITIES**

WC/ME/Telephone facilities not AVBL.

**PHYSICAL CHARACTERISTICS**

05/23 051 50a Unrated. Sealed. RWY LEN 1,530M. WID 30

**AERODROME AND APPROACH LIGHTING**

RWY 05/23 LIRL PAL 120.05

RWY 05/23 edge light spacing: 89M.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA            BRISBANE CENTRE            120.55 3000FT

CTAF 126.7

ADDITIONAL INFORMATION

1.        Animal hazard exists.
2.        Model ACFT operations: OPS are approved on weekends BTN 0900-1600 Local and restricted to BLW 400FT AGL and in an area 500M square to the NW of RWY 05/23. The operator will maintain a radio watch with all ACFT on the CTAF frequency and cease OPS during departing and inbound ACFT OPS.

CHARTS RELATED TO THE AERODROME

1.        WAC 3219.
2.        Also refer AIP Departure and Approach Procedures.

INJUNE

ELEV 1325

FULL NOTAM SERVICE NOT AVBL



QLD  
255100S            1483300E  
AD OPR Maranoa Regional Council, PO Box 620, Roma, QLD, 4455.  
Email: [airport@maranoa.qld.gov.au](mailto:airport@maranoa.qld.gov.au). ARO 0407 730 531.  
Council PH 1300 007 662. Fax 07 4624 6990. Website: [www.maranoa.qld.gov.au](http://www.maranoa.qld.gov.au).

UTC +10  
VAR 9 DEG E

YINJ  
UNCR

REMARKS

1.        PPR from AD OPR.
2.        AD Charges - refer to website.

AERODROME AND APPROACH LIGHTING

Lighting - PAL 119.6

ATS AND AERODROME COMMUNICATION FACILITIES

FIA            BRISBANE CENTRE            126.0 4000FT

LOCAL TRAFFIC REGULATIONS

Helicopter PRKG AVBL.

CTAF 126.7

CHARTS RELATED TO THE AERODROME

WAC 3340, 3341.

INKERMAN STATION

ELEV 20

FULL NOTAM SERVICE NOT AVBL

QLD  
161345S            1412602E  
AD OPR Gulf Coast Agricultural Company Pty Ltd, PMB 8, Cairns MC, QLD, 4870.  
Email: [contact@gulfcoast.com.au](mailto:contact@gulfcoast.com.au). PH 07 4745 3463. Website: [www.gulfcoast.com.au](http://www.gulfcoast.com.au).

UTC +10  
VAR 6 DEG E

YIKM  
UNCR

REMARKS

1.        AD charges: All ACFT.
2.        PPR.

HANDLING SERVICES AND FACILITIES

AVGAS.

AERODROME OBSTACLES

1.        Unlit mast 83FT AMSL.
2.        Telstra phone TWR near homestead.

PHYSICAL CHARACTERISTICS

RWY 11/29 1,300M. WID 18M.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA            BRISBANE CENTRE            118.6 4000FT

CTAF 126.7

ADDITIONAL INFORMATION

Wildlife and bird life in vicinity of strip.

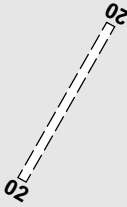
CHARTS RELATED TO THE AERODROME

WAC 3220.

INNAMINCKA

ELEV 178

FULL NOTAM SERVICE NOT AVBL



SA  
274200S                      1404400E  
AD OPR G&C Pastoral, Innamincka Station, Innamincka, SA, 5731.  
PH 08 8675 9903.

UTC +9:30                      YINN  
VAR 7 DEG E                      UNCR

REMARKS

PPR.

PASSENGER FACILITIES

Telephone facilities not AVBL.

AERODROME OBSTACLES

Unpainted, unlit mast 430FT AMSL BRG 170 DEG MAG 3NM FM AD.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA                      MELBOURNE CENTRE                      119.5 Circuit Area

CTAF 126.7

ADDITIONAL INFORMATION

AD unfenced.

CHARTS RELATED TO THE AERODROME

WAC 3342.

INNAMINCKA TOWNSHIP

ELEV 260

FULL NOTAM SERVICE NOT AVBL



SA  
274430S                      1404442E  
AD OPR Innamincka Progress Association, PMB 3, Innamincka, via Leigh Creek, SA, 5731. PH 08 8675 9901.

UTC +9:30                      YIMT  
VAR 7 DEG E                      UNCR

REMARKS

AD charges: \$10/landing

HANDLING SERVICES AND FACILITIES

Fuel AVBL in drums. Phone Innamincka Trading Post, Phone 08 8675 9900.

PASSENGER FACILITIES

WC/PT - both within walking distance

AERODROME OBSTACLES

1.            CAUTION: Telephone tower near town.
2.            Mast 475FT AMSL BRG 207 DEG MAG 1,145M from SOT RWY 10.

PHYSICAL CHARACTERISTICS

10/28                      32a    5700/ Unrated. Spray seal. Turn pad east end    WID 15            RWS 45  
24M WID. RWY LEN 980M.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA                      MELBOURNE CENTRE                      119.5 Circuit Area

CTAF 126.7

ADDITIONAL INFORMATION

Livestock, bird and wildlife hazard.

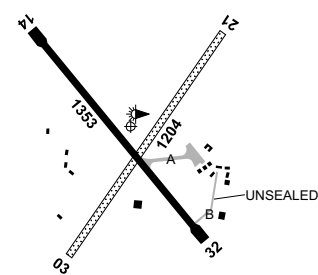
CHARTS RELATED TO THE AERODROME

WAC 3342.

INNISFAIL/MUNDOO

ELEV 46

AVFAX CODE 4523



QLD173331S1460042EUTC +10YIFL  
VAR 7 DEG ECERT  
AD OPR Cassowary Coast Regional Council, PO Box 887,  
Innisfail, QLD, 4860. PH 07 4030 2222. ARO 0408 456 068.

REMARKS

AD Charges: All ACFT

HANDLING SERVICES AND FACILITIES

Nil fuel AVBL.

AERODROME OBSTACLES

1. Two unlit radio masts 410FT AMSL BRG 036 DEG MAG 3.2NM FM ARP.
2. Trees 112FT AMSL BRG 290 DEG MAG 485M FM ARP. Infringes RWY 14/32 transitional SFC.

METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT D, METAR/SPECI.
2. AWIS FREQ 122.45 - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

03/2102840cGrassed Red Silt ClayWID 30RWS 90  
14/3213444aPCN 9 /F /B /900 (131PSI) /U SealedWID 30RWS 90

AERODROME AND APPROACH LIGHTING

RWY 14/32LIRLAFRU+PAL 132.9SDBY PWR AVBL  
RWY 14/32 edge light spacing: 60M.

OTHER LIGHTING

1. Secondary PWR switchover time: 15 SEC.
2. TWY A LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

FIABRISBANE CENTRE124.6 Circuit Area

LOCAL TRAFFIC REGULATIONS

ACFT DEP for Cairns that have obtained a Landing Slot Time FM ATC will be processed more expeditiously.

FLIGHT PROCEDURES

All pilots (especially rotary wing) are requested to prevent their ACFT from operating BLW 500FT AGL affecting a noise-sensitive area located at 173014.4S 1460245.6E (Bearing 024 DEG MAG and 4NM from the AD). If operational RQMNTS dictate otherwise, PH property owner in advance on 0417 632 660.

CTAF - AFRU 132.9

ADDITIONAL INFORMATION

1. Agricultural OPS take place WI 10NM up to 500FT AGL.
2. PJE OPS WI 5NM. Contact AD Operator for additional information.

CHARTS RELATED TO THE AERODROME

1. WAC 3219.
2. Also refer to AIP Departure and Approach Procedures.

INVERELL

ELEV 2669

AVFAX CODE 2049

9↓

2114

34

6.9NM

Inverell

700

2114

NSW

295318S

1510839E

UTC +10

VAR 11 DEG E

AD OPR Inverell Shire Council, PO Box 138, Inverell, NSW, 2360.

PH 02 6728 8288. ARO 0428 477745. PH AH 0428 477 745.

YIVL

CERT

REMARKS

AD Charges: Airline ACFT.

HANDLING SERVICES AND FACILITIES

Nil fuel AVBL.

METEOROLOGICAL INFORMATION PROVIDED

1. AWIS PH 02 6723 1198 - report faults to AD OPR
2. AWIS FREQ 122.425 (requires one pulse to activate) - report faults to AD OPR.

PHYSICAL CHARACTERISTICS

04/22

039

23c

Unrated. Grassed granite soil

WID 18

RWS 60

16/34

159

69c

PCN 10 /F /B /580 (84PSI) /U Sealed

WID 30

RWS 150

AERODROME AND APPROACH LIGHTING

RWY 16/34

LIRL

AFRU+PAL 126.7

SDBY PWR AVBL

RWY 16/34

PAPI

AFRU+PAL 126.7

3.0 DEG41FT

SDBY PWR AVBL

RWY edge light spacing: 16/34: 60M.

OTHER LIGHTING

1. Secondary PWR switchover time: 15 SEC.
2. TWY LGT: Blue edge on TWY A.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

BRISBANE CENTRE

127.1 Circuit Area

RADIO NAVIGATION AND LANDING AIDS

NDB

IVL

260

295304.9S

1510823.9E

Range 40 (HN 40)

LOCAL TRAFFIC REGULATIONS

Due to RWY levels, ACFT may not be sighted on opposite ends of the RWY.

CTAF - AFRU 126.7

CHARTS RELATED TO THE AERODROME

1. WAC 3357.
2. Also refer to AIP Departure and Approach Procedures.

IRON BRIDGE MINE

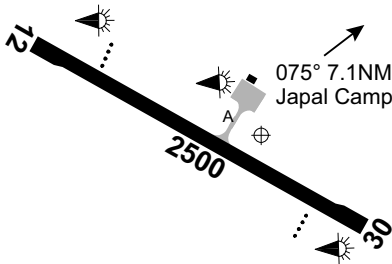
ELEV 666

AVFAX CODE 6839

WA  
211712S  
AD OPR IB Operations Pty Ltd, PO Box 6915, East Perth, WA, 6892.  
Email: ironbridgeairport@fmgl.com.au. ARO H24 0437 015 125.

1185259E  
UTC +8  
VAR 1 DEG E

YIBO  
CERT



REMARKS

- 1. 24HR PPR from AD OPR for all unscheduled ACFT OPS.
- 2. All OPS: Advise AD OPR at least 20MIN prior to ETA on 132.525, CS 'Iron Bridge Base'.

HANDLING SERVICES AND FACILITIES

AIR BP: JET A1. CTC AD MGR/ARO.  
ACFT marshalling is provided for all ACFT ABV 5,700KG MTOW.

APRONS AND TAXIWAYS

APN and TWY suitable for Code 4C ACFT.

METEOROLOGICAL INFORMATION PROVIDED

- 1. TAF CAT C, METAR/SPECI.
- 2. AWIS FREQ 122.575 (requires 3 one-second pulses to activate) - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

12/30      115   82a   PCN 46 /F /B /1412 (205PSI) /T Sealed      WID 30      RWS 150

AERODROME AND APPROACH LIGHTING

|           |         |              |                           |
|-----------|---------|--------------|---------------------------|
| RWY 12/30 | LIRL(2) | PAL+AA 120.2 | SDBY PWR AVBL             |
| RWY 12/30 | PAPI(1) | PAL+AA 120.2 | 3.0 DEG53FT SDBY PWR AVBL |
| RWY 12/30 | PTBL(3) |              | BY PRIOR ARRANGEMENT      |

- (1) Left side only.
- (2) Standard PAL+AA activation outside scheduled movements.
- (3) AVBL with 90MIN PN.
  - 1. RWY edge LGT spacing: 59.5M.
  - 2. Lateral spacing of RWY 36M WID.
  - 3. Main PWR supplied by generator.
  - 4. All lighting manually activated by ARO 30MIN prior to scheduled arrival and deactivated 15MIN after departure.

OTHER LIGHTING

- 1. SDBY PWR switchover time: 20 SEC.
- 2. TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

|        |                          |           |
|--------|--------------------------|-----------|
| FIA    | MELBOURNE CENTRE         | 118.6     |
| UNICOM | IRON BRIDGE MINE UNICOM  | 126.7 (1) |
| (1)    | CS "Iron Bridge UNICOM". |           |



**LOCAL TRAFFIC REGULATIONS**

1. ACFT ABV 5,700KG MTOW must make MAX RAD turns at MNM speed at all turning pads to avoid surface damage.
2. Itinerant GA PRKG to the western side of the apron CTC AD Supervisor/ARO with 24HR prior notice.
3. Due jet blast clearances, jet ACFT must use breakaway thrust to move forward on the alignment line for 3M before turning onto the lead out line to taxi and reducing power to idle for the remainder of the turnout.
4. 2 PRKG position for ACFT up to Code 4C (B738 and A320). Iron Bridge UNICOM will advise APP to ACFT on receipt of inbound call on Company or CTAF.
5. Dual lead in lines on PRKG Bay 2. Lead in lines marked as 2 or 2A:
  - a. ACFT to use lead in 2: A320, B712, B738, F100, GLEX, PC24, DH8A, DH8C.
  - b. ACFT to use lead in 2A: A319.

**CTAF - AFRU 126.7**

1. AFRU located at YWGA. Not AVBL on ground.
2. FREQ confirmation by YIBO UNICOM on receipt of TAX DEP call "YIBO UNICOM confirm 126.7".

**ADDITIONAL INFORMATION**

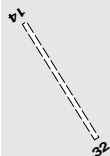
1. Blasting occurs between 9.4NM and 17.5NM to the east of the ARP BTN 58 and 95 DEG MAG.
2. Dust plumes may occur following a blast with fly rock no greater than 400FT AGL- UNICOM will notify ACFT of any conflict on 126.7.
3. Caution: Wodgina (YWGA) AD 20NM to north west. YWGA PROCS ADJ to north west.
4. Caution: Steep sided open drains ADJ to movement area.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3229.
2. Also refer to AIP Departure and Approach Procedures.

**ISISFORD****ELEV 694****FULL NOTAM SERVICE NOT AVBL**

QLD  
241533S 1442527E UTC +10 YISF  
AD OPR Isisford Shire Council, PO Box 4, Isisford, QLD, 4731. PH 07 4658 8900. UNCR  
Fax 07 4658 8950.

**PASSENGER FACILITIES**

Telephone facilities not AVBL.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 122.1 Circuit Area

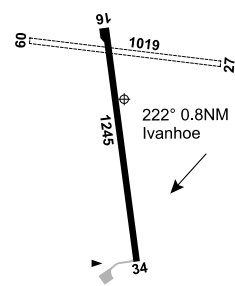
**CTAF 126.7****CHARTS RELATED TO THE AERODROME**

WAC 3341.

IVANHOE

ELEV 332

AVFAX CODE 2208



NSW  
325305S  
AD OPR Central Darling Shire Council, PO Box 165, Wilcannia, NSW,  
2836. Email: council@centraldarling.nsw.gov.au. PH 08 8083 8900.  
ARO 0429 915 983. PH AH 0429 915 992.

UTC +10  
1441842E  
VAR 10 DEG E

YIVO  
CERT

PASSENGER FACILITIES

WC

AERODROME OBSTACLES

Lit antenna 624FT AMSL BRG 208 DEG MAG 2.6NM FM ARP. Infringes COS.

METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT D, METAR/SPECI.
2. AWIS PH 02 9353 6428 - Report faults to BoM.
3. AWIS FREQ 133.7 - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

|       |     |     |                              |        |        |
|-------|-----|-----|------------------------------|--------|--------|
| 09/27 | 089 | 33c | Unrated. Grass               | WID 30 | RWS 90 |
| 16/34 | 164 | 41a | PCN 10 /F /B /580 (84PSI) /U | WID 18 | RWS 90 |

AERODROME AND APPROACH LIGHTING

|           |      |           |                                       |
|-----------|------|-----------|---------------------------------------|
| RWY 16/34 | LIRL | PAL 126.7 | SDBY PWR AVBL<br>BY PRIOR ARRANGEMENT |
|-----------|------|-----------|---------------------------------------|

1. SDBY PWR manual activation. 15MIN PN for MED flights only.
2. RWY edge light spacing: 90M.

OTHER LIGHTING

Blue TWY edge lights.

ATS AND AERODROME COMMUNICATION FACILITIES

|     |                  |              |
|-----|------------------|--------------|
| FIA | MELBOURNE CENTRE | 124.9 3500FT |
|-----|------------------|--------------|

CTAF 126.7

ADDITIONAL INFORMATION

1. Bird and kangaroo hazards exist.
2. AD not suitable for gliding OPS.

CHARTS RELATED TO THE AERODROME

1. WAC 3457.
2. Also refer to AIP Departure and Approach Procedures.

**JABIRU****ELEV 85****AVFAX CODE 8007**

NT

123930S

1325335E

UTC +9:30

VAR 3 DEG E

YJAB

CERT

AD OPR Energy Resources of Australia, Locked Bag 1, Jabiru, NT,  
0886. PH 08 8938 1470. ARO 0467 721 193 (H24).  
Fax 08 8938 1415.

**REMARKS**

- AD charges - fees and charges may apply for all ACFT.
- All persons excluding PAX operating or accessing airside must wear high VIS attire at all times.

**HANDLING SERVICES AND FACILITIES**

Viva Energy Aviation: Jetstream Electrical H24. PH 08 8984 3434.

Email: info@jetstreamelectrical.com. Swipe bowser AVGAS and JET A1. Viva Energy Fuel2Sky card, credit cards (V and MC). PIN required for all bank credit/debit cards.

**AERODROME OBSTACLES**

- Unlit Obstacle - Mine stockpile 230FT AMSL, BRG 140DEG MAG/1800M FM THR RWY 27. Infringes inner HZS.
- LIOL primary WDI 190M E of TWY. Infringes TNS by 2.16M.
- LIOL secondary illuminated WDI 71.4M N of 09 THR. Infringes TNS by 2.5M.

**METEOROLOGICAL INFORMATION PROVIDED**

- TAF CAT D, METAR/SPECI.
- AWIS Phone 08 7922 2507 - Report faults to BoM.
- AWIS FREQ 133.35 (press and hold for three seconds to activate) - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

09/27 092 46a PCN 11 /F /A /700 (102PSI) /U

WID 23 RWS 90

**AERODROME AND APPROACH LIGHTING**

RWY 09/27 PTBL(1)

BY PRIOR ARRANGEMENT

(1) EMERG only on 45 MIN PN.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

124.1 On Ground

**LOCAL TRAFFIC REGULATIONS**

- PRKG including refuelling on sealed APN not AVBL 0600-0830 Local and 1600-1900 Local MON-FRI except for approved Air Transport OPS and other ACFT approved by ARO. At other times, PRKG on sealed APN AVBL for loading and unloading only with pilots in attendance. Itinerant PRKG AVBL E of TWY.
- ACFT PRKG on the APN must park sequentially in PRKG Bays 1, 2, then 3.
- ACFT with MTOW greater than 5,700KG must make 180DEG turns at the runway end turning nodes.
- RWY gradients may inhibit visibility from all thresholds. Mandatory CTAF BCST RQ BFR OPR on RWY.
- All ACFT are REQ to be secured if left unattended.
- RWS 09/27 gable markers 80M.

**FLIGHT PROCEDURES**

Right Hand circuits RQ when OPR on RWY 27.

**CTAF - AFRU 126.7**

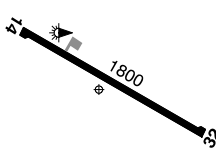
**CHARTS RELATED TO THE AERODROME**

- WAC 3109.
- Also refer to AIP Departure and Approach Procedures.

JACINTH AMBROSIA

ELEV 419

AVFAX CODE 5312



SA  
305404S  
AD OPR Iluka Resources Limited, 11 Dequetteville Terrace, Kent Town,  
SA, 5067. PH 08 8670 2800 (Site Office). ARO 0408 572 670.  
AH Control Room Shift Coordinator 0417 499 457.

1321101E  
VAR 5 DEG E

UTC +9:30  
YJAC  
CERT

REMARKS  
Restricted OPS. PPR FM AD MGR.

AERODROME OBSTACLES

1. Lit Tower 636FT, 087DEG MAG/1.6NM from ARP 68FT ABV HZS.
2. Stockpile 632FT, 105DEG MAG/1.5NM from ARP.

PHYSICAL CHARACTERISTICS

14/32      135   59a   PCN 6 /F /B /924 (134PSI) /T      WID 30    RWS 90

AERODROME AND APPROACH LIGHTING

RWY 14/32      PTBL(1)      BY PRIOR ARRANGEMENT  
(1) Flares. EMERG only. 60MIN PN.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA      MELBOURNE CENTRE      123.5 5000FT (ARR/DEP SOUTHEAST)

FIA      MELBOURNE CENTRE      132.7 3000FT (ARR/DEP NORTHWEST)

FLIGHT PROCEDURES

Right hand CCTS required when OPR RWY 14.

CTAF 126.7

ADDITIONAL INFORMATION

Animal hazard exists.

CHARTS RELATED TO THE AERODROME

WAC 3354.

JAMESTOWN

ELEV 1550

FULL NOTAM SERVICE NOT AVBL

SA  
331132S  
AD OPR Northern Areas Council, PO Box 120, Jamestown, SA, 5491.  
PH 08 8664 1139.

1383657E  
VAR 8 DEG E

UTC +9:30  
YJST  
UNCR

HANDLING SERVICES AND FACILITIES

AVGAS AVBL Phone: 0427 810 940; 0417 863 450; 08 8664 1838.

PASSENGER FACILITIES

WC/TX (0429 640 000)

AERODROME OBSTACLES

1. Hill top power lines to the E.
2. Wind turbines 3.3NM to the N and NW.

AERODROME AND APPROACH LIGHTING

PAL 120.65.

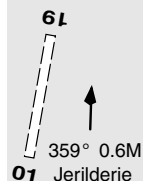
ATS AND AERODROME COMMUNICATION FACILITIES

FIA      MELBOURNE CENTRE      123.9 Circuit Area

CTAF 126.7

CHARTS RELATED TO THE AERODROME

WAC 3458, 3459.

**JERILDERIE****ELEV 360****FULL NOTAM SERVICE NOT AVBL**

NSW  
352212S 1454330E  
AD OPR Jerilderie Shire Council, P.O. Box 96, Jerilderie, NSW, 2716.  
PH 03 5886 1200.

UTC +10  
VAR 11 DEG E  
YJER  
UNCUR

**ATS AND AERODROME COMMUNICATION FACILITIES**

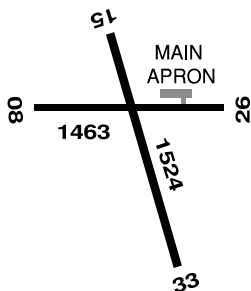
FIA MELBOURNE CENTRE 118.6 Circuit Area

**CTAF 126.7****ADDITIONAL INFORMATION**

Agricultural OPS in area.

**CHARTS RELATED TO THE AERODROME**

WAC 3457.

**JERVIS BAY****ELEV 200****AVFAX CODE 2104**

NSW  
350851S 1504155E  
AD OPR NAVY, Naval Air Station Nowra, NSW, 2540.  
Email: albatross.aioperations@defence.gov.au.  
PH MON-FRI: Airfield Coordination Centre 02 4449 2161.  
PH AH Duty Officer 0411 127 367.

UTC +10  
VAR 13 DEG E  
YJBY  
MIL

**REMARKS**

- MIL OPS only. AD not open for public use.**
- MIL ACFT requesting circuit/landing 24HR PN.  
AVBL 2130-0630 UTC MON-THU; 2130-0230 UTC FRI;  
PH excluded (1HR earlier during HDS).  
Phone Airfield Coordination Centre.
- Due to proximity of Navy restricted areas, NWX and TSX should be included when checking NOTAM.
- RWY 15/33 not AVBL to fixed wing ACFT HN due vegetation infringing RWS and RESA.

**SURFACE MOVEMENT GUIDANCE**

APN taxi guidelines for fixed wing ACFT not AVBL.

**METEOROLOGICAL INFORMATION PROVIDED**

- TAF CAT D, METAR/SPECI.
- AWIS Phone 02 9353 6429 - Report faults to BoM.

**AERODROME OBSTACLES**

- WDI located WI RWS BRG 303 DEG MAG 20M FM ARP.
- All RWS, RESA and transitional approach and departure layers infringed by dense vegetation.
- Lit disused control TWR 70FT AGL BRG 347 DEG MAG 272M FM ARP.
- Unlit antenna 35FT AGL BRG 332 DEG MAG 526M FM ARP.

**PHYSICAL CHARACTERISTICS**

|       |         |                               |        |        |
|-------|---------|-------------------------------|--------|--------|
| 08/26 | 082 48a | PCN 25 /F /C /900 (131PSI) /T | WID 45 | RWS 90 |
| 15/33 | 151 50a | PCN 25 /F /C /900 (131PSI) /T | WID 45 | RWS 90 |

- Water hazard exists on RWY SFC AFT heavy rain.
- Graded area south of RWY 15/33 intersection SFC uneven due erosion lateral slope on all RWY shoulders greater than standard (drop up to 90MM).

## ATS AND AERODROME COMMUNICATION FACILITIES

|                           |                                                                                                                                                                         |     |                             |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------------------------|
| FIA                       | MELBOURNE CENTRE                                                                                                                                                        |     | 121.2 2000FT                |
| ACC                       | NOWRA CENTRE                                                                                                                                                            | (1) | 132.3 325.8                 |
| ACD                       | NOWRA DELIVERY                                                                                                                                                          | (1) | 128.35                      |
| APP                       | NOWRA APPROACH                                                                                                                                                          | (1) | 118.35 (2) 123.5 (3) 352.15 |
| (1)                       | Nowra ATS hours notified by R421A/B NOTAM (refer NWX). Outside Nowra ATS hours CTAF procedures apply. Nowra ATS may be ACT at short notice, check YSNW ATIS for status. |     |                             |
| (2)                       | PRI FREQ for OPS WI Jervis Bay and at Jervis Bay AD.                                                                                                                    |     |                             |
| (3)                       | Nowra Approach SEC FREQ.                                                                                                                                                |     |                             |
| Listening watch not AVBL. |                                                                                                                                                                         |     |                             |

## LOCAL TRAFFIC REGULATIONS

1. Start clearance not RQ unless specified by NOTAM. When specified by NOTAM, start clearance RQMNTS shall apply to all ACFT WI 5NM of AD due PJE OPS.
2. AMS service FREQ 121.625 (CS 'JB OPS') ACFT shall CTC for parking, ground handling and airfield hazards.
3. ACFT movements confined to RWY and APN only.

## FLIGHT PROCEDURES

1. The YJBY Circuit Area (CIRA) is defined as a 2NM RAD centred on the YJBY ARP remaining over land, SFC to 1,500FT AMSL. Inside NOWRA ATS HR broadcast intentions on FREQ 121.625.  
When R421A is ACT all ACFT RQ DEP FM or operate WI the YJBY CIRA must:
  - a. Before taxi, CTC Nowra Approach on FREQ 118.35 to obtain AWY CLR and SSR code;
  - b. ACFT are to broadcast intentions on FREQ 121.625 IAW CTAF procedures and remain in the YJBY CIRA. LCA MIL ACFT may be OPR WI the CIRA;
  - c. ACFT are to be in receipt of an airways clearance and have established two way communications with Nowra APP prior to leaving the YJBY CIRA;
  - d. IFR ACFT OPS are not normally AVBL and REQ permission from ATC. IFR ACFT may be subject to significant delay.
  - e. ACFT are to remain on the ground. When ready to taxi, CTC Nowra Approach on FREQ 118.35 for AUTH to become airborne.
2. When R421A is not ACT, all ACFT OPR CTAF FREQ 118.85.

## 3. REMOTELY PILOTED AIRCRAFT SYSTEMS (RPAS)

- 3.1. RPAS requests and enquiries are to be sent to nowra.rpas@defence.gov.au with at least 10 business days PN. RPAS approval is subject to all MIL OPS and status of active restricted/military operating areas may have additional restrictions imposed, or be cancelled at short notice.
- 3.2. Visiting MIL RPAS requests and enquiries are to be sent to: albatross.airoperations@defence.gov.au with at least 10 business days PN.
- 3.3. Resident MIL RPAS (up to 400KG) OPS H24 within active restricted areas. Manned ACFT OPS may be affected when RPAS airborne. CTC Nowra ACC 02 4449 2161 for additional information.

## CTAF - AFRU 118.85

Coincident with Nowra CTAF-AFRU 118.85.

## NOISE ABATEMENT PROCEDURES

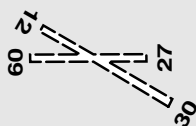
1. HEL circuit OPS to RWY 15/33 should be conducted to the west of RWY 15/33.
2. HEL circuit OPS to RWY 08/26 should be conducted to the south of RWY 08/26.
3. Avoid overflight of Wreck Bay, Jervis Bay Village and HMAS Creswell.

## ADDITIONAL INFORMATION

1. PJE OPS HO.
2. Significant animal hazard exists on airfield. Recommend join crosswind and overfly to assess and minimise animal hazard on RWY.
3. All ACFT OPR in M440, M441 and M444 when ACT are not SUBJ to an ATS FM Nowra ATC.
4. AD within R421A and M440 when active.

**CHARTS RELATED TO THE AERODROME**

WAC 3456.

**JINDABYNE****ELEV 3400****FULL NOTAM SERVICE NOT AVBL**

NSW

362536S

1483606E

UTC +10

VAR 13 DEG E

YJIN

UNCR

AD OPR Jindabyne Aero Club, PO Box 60, Jindabyne, NSW, 2627.

PH 0428 240 192: 0408 613 691. Fax 02 6456 5143.

Website: [www.jindabyneaeroclub.org.au](http://www.jindabyneaeroclub.org.au).**REMARKS**

1. PPR from AD OPR or 0467 783 011.
2. Landing fees: Ultra light \$5.50/landing, GA up to 2 tonne: \$8/tonne, \$8 MNM, over 2 tonne: \$22/tonne MTOW; overnight PRKG \$10/ACFT. For latest INFO refer to the website.

**HANDLING SERVICES AND FACILITIES**

Skyfuel: AVGAS, H24 self-service bowsers accepts MC, V and Skyfuel Carnet card.

Phone 0418 862 100 or 0417 780 280. Refer to [www.skyfuel.com.au](http://www.skyfuel.com.au) for site information and orientation.**PHYSICAL CHARACTERISTICS**

09/27 25c Unrated. Grass. RWY LEN 750M.

WID 20

RWS 30

12/30 28c Unrated. Gravel. RWY LEN 850M.

WID 10

RWS 30

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE

120.75 Circuit Area

**LOCAL TRAFFIC REGULATIONS**

All visiting HEL to park on N side RWY 30.

**FLIGHT PROCEDURES**

Right hand CCTS RWY 27 and 30.

**CTAF** 126.7**ADDITIONAL INFORMATION**

1. Animal hazard exists.
2. Caution: High ground to W.
3. Caution: TWR southern side of the airfield.
4. Severe TURB in W wind conditions.
5. Grass and gravel RWY unrated, soft when wet PPR.

**CHARTS RELATED TO THE AERODROME**

WAC 3470.

**JULIA CREEK****ELEV 404****AVFAX CODE 4305**

QLD

204006S

1414321E

UTC +10

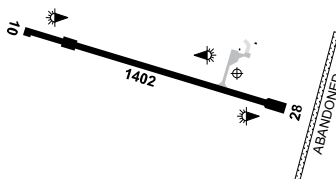
VAR 6 DEG E

YJLC

CERT

AD OPR McKinlay Shire Council, PO Box 177, Julia Creek, QLD, 4823. PH 07 4746 7166:

07 4746 4224. ARO 0428 757 273. Fax 07 4746 7549.



REMARKS

1. This AD is a Security Controlled Airport.
2. AD charges (billed through AVDATA):

a. ACFT BLW 5,700KG - \$10 (including GST) per tonne/per landing.

b. ACFT ABV 5,700KG - \$15 (including GST) per tonne/per landing.

HANDLING SERVICES AND FACILITIES

AVGAS: H24. Access to the tank is via debit or credit card, or the Woodham Petroleum RFID tag.  
CTC ARO.

AERODROME OBSTACLES

1. Lit masts:

a. 630FT AMSL BRG 038 MAG 1.4NM FM ARP. Infringes inner HZS.

b. 1,066FT AMSL BRG 074 MAG 5.63NM FM ARP.
2. Unlit mast 475FT AMSL BRG 021 MAG 413M FM ARP.

METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT D, METAR/SPECI.
2. AWIS PH 07 3564 3796 - Report faults to BoM.

PHYSICAL CHARACTERISTICS

10/2810146aPCN 8 / F / D / 850 (123PSI) / U Sealed

WID 30RWS 150

AERODROME AND APPROACH LIGHTING

RWY 10/28LIRLAFRU+PAL 126.7

SDBY PWR AVBL

1. RWY edge light spacing: 10/28: 60M.
2. AUTO backup generator activates WI 45 SEC.

OTHER LIGHTING

TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

FIABRISBANE CENTRE

123.95 Circuit Area

CTAF - AFRU 126.7

ADDITIONAL INFORMATION

Bird hazard (kite hawks) exist. Daylight HR concentrated around TWY and RWY INT.

CHARTS RELATED TO THE AERODROME

1. WAC 3233.
2. Also refer to AIP Departure and Approach Procedures.

JUNDAH

ELEV 476

FULL NOTAM SERVICE NOT AVBL

6L

07

QLD

244953S1430356E

UTC +10

VAR 7 DEG E

AD OPR Barcoo Shire Council, 6 Perkins Street, Jundah, QLD, 4736.

ARO 0459 885 797. Council PH 07 4658 6900.

ELEV 476

YJDA

UNCR

PHYSICAL CHARACTERISTICS

01/1945aUnrated. Sealed. RWY LEN 1,360M.

WID 18

AERODROME AND APPROACH LIGHTING

RWY 01/19LIRLPAL+AA 119.6

ATS AND AERODROME COMMUNICATION FACILITIES

FIABRISBANE CENTRE

122.1 7500FT

CTAF 126.7

CHARTS RELATED TO THE AERODROME

WAC 3342.



**JUNDEE****ELEV 1845****AVFAX CODE 6611**

WA

UTC +8

YJUN

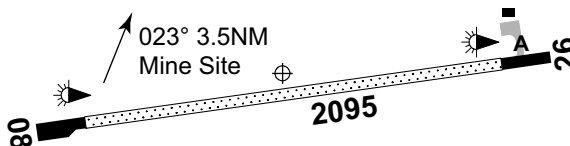
262516S

1203439E

VAR 1 DEG E

CERT

AD OPR Northern Star Resources Ltd - Jundee Operation, Level 1, 388 Hay Street, Subiaco, WA, 6008. Email: jwalford@nsrld.com. PH 08 6188 2111. ARO 0439 390 313 (H24).

**REMARKS**

Restricted OPS: PPR from AD OPR.

**HANDLING SERVICES AND FACILITIES**

JET A1 private installation. Contact aerodrome manager.

**AERODROME OBSTACLES**

1. Mine site BRG 023 DEG MAG 3.5NM.
2. TNS infringed by 4.8FT tall fence located 75M either side of RCL for full length of RWY.
3. TNS may be infringed by 6.5FT due to tailplane of ACFT parked on APN.
4. Wind turbine 755FT AGL APRX BRG 026 DEG MAG 4.5NM FM ARP.

**PHYSICAL CHARACTERISTICS**

08/26 082 69c PCN 16 /F /A /931 (135PSI) /U Gravel.  
Sealed 200M either end.

WID 30 RWS 150

**AERODROME AND APPROACH LIGHTING**

RWY 08/26 LIRL PAL 123.9

SDBY PWR AVBL

1. RWY edge light spacing: 08/26: 87M.
2. Local power supply - no mains available.
3. SDBY PWR manually activated - 15 MIN PN

**OTHER LIGHTING**

1. Secondary PWR switchover time: Manually activated - PN required.
2. TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 118.95 4000FT

**LOCAL TRAFFIC REGULATIONS**

ACFT above 5,700KG MTOW are to use the turning nodes.

**FLIGHT PROCEDURES**

No overflying mine to NE below 3,000FT.

**CTAF - AFRU** 127.2

**CHARTS RELATED TO THE AERODROME**

1. WAC 3345.
2. Also refer to AIP Departure and Approach Procedures.

**JURIEN BAY****ELEV 50****FULL NOTAM SERVICE NOT AVBL**WA  
301812S

1150319E

UTC +8

VAR 1 DEG W

YJUR

UNCR

AD OPR Dandaragan Shire Council, PO Box 676, Jurien Bay, WA, 6516.

Email: council@dandaragan.wa.gov.au. PH 08 9652 0800. Mobile 0499 765 311.

Fax 9652 1310.

02

**AERODROME AND APPROACH LIGHTING**

PAL+AA 119.6 - not checked by CASA.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 121.2 2000FT

**FLIGHT PROCEDURES**

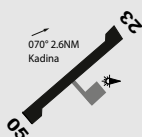
Transiting ACFT to check ML CEN 121.2 or CTAF status on parachuting OPS.

**CTAF** 126.7**ADDITIONAL INFORMATION**

1. Intense PJE OPS WI 5NM 7 days/week to FL150.
2. Parachuting ACFT will broadcast on YJUR CTAF 126.7 and ML CEN 121.2.

**CHARTS RELATED TO THE AERODROME**

WAC 3351.

**KADINA****ELEV 138****AVFAX CODE 5018****FULL NOTAM SERVICE NOT AVBL**

SA 335812S 1373936E UTC +9:30 YKDI  
VAR 8 DEG E UNCR

AD OPR Copper Coast Council, 51 Taylor Street, Kadina, SA, 5554.  
PH 08 8828 1200. Fax 08 8821 2736.

**HANDLING SERVICES AND FACILITIES**

Flying Fuels: AVGAS 100LL AVBL 24HR, all itinerant customers welcome.  
PH: 0412 602 447.

**PASSENGER FACILITIES**

WC/LG/RF/TX 08 8821 3444 - 24HR.

**METEOROLOGICAL INFORMATION PROVIDED**

METAR/SPECI.

**PHYSICAL CHARACTERISTICS**

05/23 39a Unrated. Gravel. Central 18M sealed. WID 30 RWS 90  
RWY LEN 1,200M

RWY bearing: 054.

**AERODROME AND APPROACH LIGHTING**

RWY 05/23 LIRL PAL 120.55 SDBY PWR AVBL  
RWY edge light spacing: 05/23: 60M.

**OTHER LIGHTING**

1. Secondary PWR switchover time: 1 SEC.
2. TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 118.95 Circuit Area

**LOCAL TRAFFIC REGULATIONS**

ACFT tie-down and parking near windsock.

**CTAF** 126.7

**CHARTS RELATED TO THE AERODROME**

WAC 3459.

KALBARRI

AVFAX CODE 6012

WA

274131S

1141534E

AD OPR Shire of Northampton, PO Box 61, Northampton, WA, 6535.

Email: ceo@northampton.wa.gov.au. ARO 0429 341 203: 0427 341 205.

Council PH 08 9934 1202.

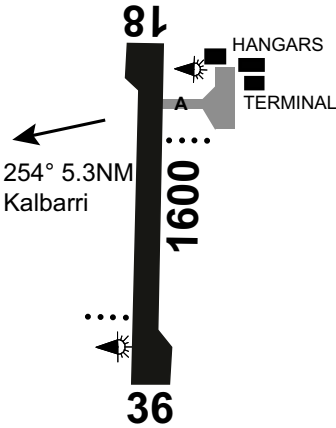
ELEV 515

UTC +8

VAR 1 DEG W

YKBR

CERT



REMARKS

AD Charges: \$20/landing.

PASSENGER FACILITIES

PT - phone coverage AVBL, WC.

AERODROME OBSTACLES

1. Terrain infringement 230DEG M/3,200M FM ARP ELEV 659.4FT.
2. OLS infringement - Terrain and lit mast, 254DEG M/4,000M FM ARP ELEV 856.5FT.

PHYSICAL CHARACTERISTICS

18/36

181 52a PCN 15 /F /A /1100 (160PSI) /T Sealed

WID 30

RWS 90

AERODROME AND APPROACH LIGHTING

RWY 18/36

LIRL

AFRU+PAL 126.7

SDBY PWR AVBL

RWY 18/36

PAPI(1)

AFRU+PAL 126.7

3.0 DEG42FT

(1)

Left side.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

MELBOURNE CENTRE

121.2 Circuit Area

FLIGHT PROCEDURES

See ERSA GEN SPECIAL PROCEDURES “FN11: Kalbarri National Park - Fly Neighbourly Advice” for guidance on sightseeing flights.

CTAF - AFRU 126.7

ADDITIONAL INFORMATION

1. All electrical power is by onsite generator, 10 second switchover.
2. Animal hazard (kangaroos) WI AD VCY.

CHARTS RELATED TO THE AERODROME

WAC 3346.

**KALGOORLIE-BOULDER****ELEV 1203****AVFAX CODE 6101**

WA

304722S

1212742E

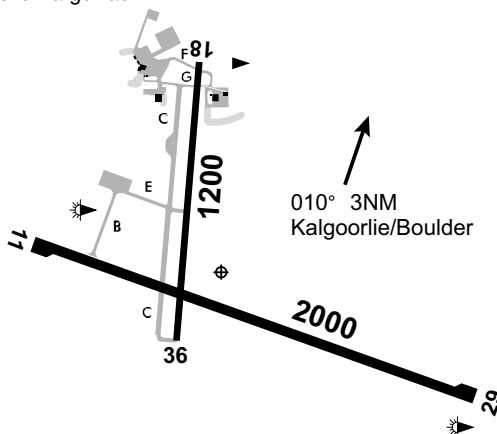
UTC +8

VAR 1 DEG E

YPKG

CERT

AD OPR City of Kalgoorlie-Boulder (CKB), PO Box 2042, Boulder, WA, 6432.

Email: [airport.operations@ckb.wa.gov.au](mailto:airport.operations@ckb.wa.gov.au). ARO H24 0417 909 506.Website: [www.airport.ckb.wa.gov.au](http://www.airport.ckb.wa.gov.au).**REMARKS**

1. AD Charges: All ACFT. Refer to website for information on landing and passenger fees.
2. All non-RPT, except diversions, requiring parking on the RPT APN or GA East require 24HR PN to the AD OPR.
3. This is a security controlled airport. Security requirements:
  - a. ASIC to be worn and clearly displayed when airside.
  - b. Security screening is required for all passengers departing from the main terminal within the period of RPT operations – 90 MIN prior to ARR and 30 MIN after DEP.
  - c. Airside security gate codes AVBL from Duty ARO or airport offices. AH access may incur call-out fees.
4. Main terminal open 2200-1100 UTC, hours may vary particularly on weekends. GA terminal adjacent to main terminal open H24.

**HANDLING SERVICES AND FACILITIES**

AIR BP/MOBIL: 2300-1100 UTC DLY. AH 30 MIN PN, call-out fees apply. Phone 0409 194 840.

JET A1 and AVGAS. H24 AVGAS card bowser.

**PASSENGER FACILITIES**

WC located within terminal, GA terminal and airside adjacent to AVGAS bowser.

**APRONS AND TAXIWAYS**

1. All surfaces asphalt.
2. TWY B PCN 42 WID 18M.
3. All other TWY WID 10.5M. Not AVBL to ACFT ABV 5,700KG.
4. Main RPT APN PCN 42.
5. GA North not AVBL to ACFT ABV 5,700KG.
6. GA East not AVBL to ACFT above 5,700KG except when utilising Bay 6 via designated lead in and lead out lines.
7. GA APN tie-downs rated to MAX 1,000KG.

AERODROME OBSTACLES

1. COM TWR 1,606FT AMSL BRG 255 DEG MAG 2.9NM FM ARP. Infringes outer horizontal SFC by 58FT. Lit by medium intensity beacon.
2. Infringing OLS:

a. Towers:

(i) 1,357FT AMSL BRG 283 MAG 1.96NM FM ARP. Lit red mid and top hazard beacon.

(ii) On stockpile 1,345FT AMSL BRG 096 MAG 2.35NM FM ARP. Lit with white strobe.

(iii) On stockpile 1,536FT AMSL BRG 072 MAG 3.0NM FM ARP. Lit red hazard beacon infringes inner HZS.

b. Power poles:

(i) 1,365FT AMSL BRG 282 MAG 2.51NM FM ARP. Unlit.

(ii) 1,353FT AMSL BRG 281 MAG 2.33NM FM ARP. Unlit.

METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT A, METAR/SPECI.
2. AWIS Phone 08 6216 2619 - Report faults to BoM.
3. AWIS FREQ 126.25 - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

|       |     |     |                                |        |         |
|-------|-----|-----|--------------------------------|--------|---------|
| 11/29 | 110 | 66a | PCN 42 /F /A /1410 (205PSI) /T | WID 45 | RWS 300 |
| 18/36 | 185 | 39a | PCN 9 /F /A /1000 (145PSI) /T  | WID 18 | RWS 90  |

AERODROME AND APPROACH LIGHTING

|           |         |                |             |               |
|-----------|---------|----------------|-------------|---------------|
| RWY 11/29 | LIRL    | AFRU+PAL 126.6 |             | SDBY PWR AVBL |
| RWY 11/29 | PAPI(1) | AFRU+PAL 126.6 | 3.0 DEG48FT | SDBY PWR AVBL |
| RWY 18/36 | LIRL    | AFRU+PAL 126.6 |             | SDBY PWR AVBL |

- (1) Left side.
1. RWY edge light spacing: 11/29: 60M; 18/36: 60M.
2. PAL 10 MIN warning light NW of RWY intersection and primary IWL.
3. PAL will activate RWY lights and PAPI during night time hours only. PAL will activate PAPI only during hours of daylight.

OTHER LIGHTING

1. Secondary PWR switchover time: 15 SEC.
2. TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

|        |                    |                  |
|--------|--------------------|------------------|
| FIA    | MELBOURNE CENTRE   | 125.75 On ground |
| UNICOM | KALGOORLIE-BOULDER | 126.6 (1)        |
|        | UNICOM             |                  |

- (1) CS "AIR BP".

RADIO NAVIGATION AND LANDING AIDS

|     |    |            |           |            |                   |     |
|-----|----|------------|-----------|------------|-------------------|-----|
| DME | KG | 114.1/ 88X | 304723.4S | 1212710.6E |                   | (2) |
| NDB | KG | 287        | 304743.1S | 1212748.1E | Range 140 (HN 80) | (3) |
| VOR | KG | 114.1      | 304723.4S | 1212710.0E |                   | (1) |

- (1) Monitored by ML.
- (2) Antenna ELEV 1228FT - Monitored by ML.
- (3) Monitored by ML - 346/0.4 to ARP.

LOCAL TRAFFIC REGULATIONS

1. All Code C ACFT and ABV must use turning nodes on RWY 11/29 when executing 180 DEG turns.
2. ACFT using RWY 18 for TKOF may be unable to see ACFT on crossing RWY. ACFT are to BCST intentions before entering RWY 18.
3. ACFT taxiing from Bays 1, 2, 3 and 3A REQ to use MNM thrust when departing to reduce jet blast.
4. Ground running of turboprop ACFT on the RPT APN is to be avoided to avoid noise in the Passenger Terminal.
5. GA parking marked by green lines is private parking only. Non-approved ACFT parking in these areas may be removed at the owner's expense.

**CTAF - AFRU 126.6****NOISE ABATEMENT PROCEDURES**

1. Flight over residential areas should be minimised particularly at night.
2. Ground running of turboprop ACFT on the RPT APN is to be avoided to avoid noise in the passenger terminal

**ADDITIONAL INFORMATION**

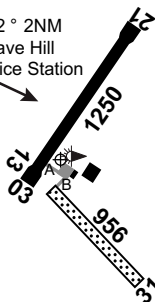
1. Bird hazard exists, pink and grey galahs and Australian ravens year round.
2. Hang gliding OPS NE of Kalgoorlie-Boulder at Lake Perkolilli, Kunalpi - 303422.85S 1214251.40E.
3. Weather balloon launch APRX 2315 UTC FM 950M WNW of ARP. Launches may occur at other times.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3352.
2. Aerodrome Obstacle Chart Type A: RWY 11/29, January 2020.
3. Also refer to AIP Departure and Approach Procedures.

**KALKGURUNG****ELEV 652****AVFAX CODE 8404**

112° 2NM  
Wave Hill  
Police Station



NT  
172555S 1304829E  
UTC +9:30  
VAR 3 DEG E  
YKKG  
CERT  
AD OPR Victoria Daly Regional Council, PO Box 19, Katherine, NT, 0851.  
Email: operations@vicdaly.nt.gov.au. PH BH 08 8974 5801.  
ARO AH 0428 035 444. PH AH EMERG (Police) 08 8975 0790.

**REMARKS**

AD Charges - All ACFT - \$20.

**PASSENGER FACILITIES**

WC/Telstra mobile phone reception AVBL.

**AERODROME OBSTACLES**

Unlit/unmarked Telstra tower APRX 110.5DEG MAG/1.3NM FM ARP, 813FT. Infringes OLS by APRX 11.6M (38FT).

**PHYSICAL CHARACTERISTICS**

|       |     |     |                 |        |        |
|-------|-----|-----|-----------------|--------|--------|
| 03/21 | 030 | 41a | Unrated. Sealed | WID 18 | RWS 90 |
| 13/31 | 132 | 31c | Unrated. Gravel | WID 18 | RWS 90 |

**AERODROME AND APPROACH LIGHTING**

RWY 03/21 solar LGT. AVBL EMERG, MEDEVAC and Police ACFT only.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 123.7 4000FT

**LOCAL TRAFFIC REGULATIONS**

All ACFT to make MAX radius MNM speed turns at RWY turning nodes only.

**CTAF 126.7****ADDITIONAL INFORMATION**

Bird and animal hazard exists.

**CHARTS RELATED TO THE AERODROME**

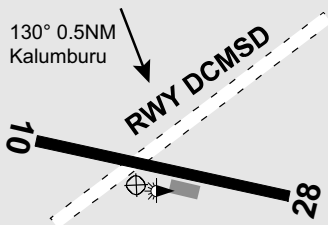
1. WAC 3222.
2. Also refer AIP Departure and Approach Procedures.

**KALUMBURU****AVFAX CODE 6909**

WA  
141717S 1263752E  
AD OPR Kalumburu Mission, PMB 293 Wyndham, WA, 6740. PH 08 9161 4333.

**FULL NOTAM SERVICE NOT AVBL**

UTC +8  
VAR 2 DEG E  
YKAL  
UNCR

**ELEV 95****REMARKS**

1. PPR Superintendent, Kalumburu Mission.
2. Landing charges apply.

**HANDLING SERVICES AND FACILITIES**

AVGAS AVBL 24HR PN.

**PASSENGER FACILITIES**

Telephone facilities not AVBL.

**METEOROLOGICAL INFORMATION PROVIDED**

METAR/SPECI.

**PHYSICAL CHARACTERISTICS**

10/28 105 37a Unrated. Sealed.

WID 18 RWS 90

**AERODROME AND APPROACH LIGHTING**

RWY 10/28 PTBL(1)

BY PRIOR ARRANGEMENT

- (1) EMERG only - 4HR PN - Phone 08 9161 4333 during BH. AH phone 08 9161 4064 or 08 9161 4342.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

120.75 6000FT

**CTAF** 128.0**ADDITIONAL INFORMATION**

Possibility of stock on movement area.

**CHARTS RELATED TO THE AERODROME**

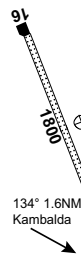
WAC 3108.

**KAMBALDA****AVFAX CODE 6118****ELEV 1059**

WA  
311126S 1213554E  
AD OPR Shire of Coolgardie, Irish Mulga Drive, Kambalda, WA, 6442.  
Email: wco@coolgardie.wa.gov.au. PH AD MGR 08 9080 2111.  
ARO 0447 129 801 (H24).

UTC +8  
VAR 1 DEG E

YKBL  
CERT

**REMARKS**

1. PPR from AD OPR.
2. Landing fees apply.
3. AD AVBL HJ only.
4. Parking by prior arrangement with ARO.

**HANDLING SERVICES AND FACILITIES**

Nil fuel AVBL.

Ground handling by prior arrangement with ARO.



AERODROME OBSTACLES

1. Terrain 1,295FT, between 280 DEG MAG and 320 DEG MAG, 4,580M FM ARP.
2. Fence 6FT AGL APRX 60M W of RWY CL. Infringes transitional surface by 2FT.

PHYSICAL CHARACTERISTICS

16/3416359a/cPCN 20 /F /A /724 (105PSI) /T Gravel.WID 30RWS 90

Sealed 65M from both ends.

ATS AND AERODROME COMMUNICATION FACILITIES

FIAMELBOURNE CENTRE125.75 Above 10000FT

LOCAL TRAFFIC REGULATIONS

1. All ACFT ABV 5,700KG must turn at turning nodes.
2. Idle power must be used by all ACFT on the APN except when increasing to breakaway thrust.

CTAF - AFRU 126.6

AFRU located at YPKG. Not AVBL on ground.

ADDITIONAL INFORMATION

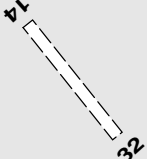
Parachute activity in vicinity of AD JF.

CHARTS RELATED TO THE AERODROME

WAC 3352.

KAMILEROI

ELEV 300



QLD192229S1400322E

AD OPR Stanbroke Pastoral Company, PMB 33, Cloncurry, QLD, 4825.  
PH 07 4742 5977.

FULL NOTAM SERVICE NOT AVBL

UTC +10YKML  
VAR 6 DEG EUNCRL

PHYSICAL CHARACTERISTICS

14/3252cUnrated. Gravel. RWY LEN 1,600M.WID 8

ATS AND AERODROME COMMUNICATION FACILITIES

FIABRISBANE CENTRE122.4 4500FT

CTAF 126.7

ADDITIONAL INFORMATION

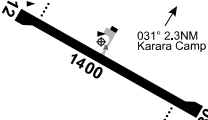
Possibility of feral animals on AD.

CHARTS RELATED TO THE AERODROME

WAC 3220.

KARARA

ELEV 1019



WA291258S1164112E

AD OPR Karara Mining Ltd, Level 2, 216 St Georges Tce, Perth, WA, 6000.  
Email: aro@kararamining.com.au. PH 08 6298 1888. ARO 0438 926 212.

UTC +8YKAR  
VAR 0 DEG WCERT

REMARKS

Restricted OPS. PPR from AD OPR.

AERODROME OBSTACLES

1.

Numerous OBST penetrate inner HZS and conical SFC.

a.

Terrain - LCA BTN 085 DEG MAG and 095 DEG MAG 4,037M to 4,907M FM ARP 1,198FT.

b.

Terrain - LCA BTN 098 DEG MAG and 115 DEG MAG 4,846M to 5,420M FM ARP 1,198FT.

c.

Power poles BTN 319 DEG MAG and 008 DEG MAG 1.6NM FM ARP, up to 100FT.

2.

Lit mast - LCA 024 DEG MAG 4,223M FM ARP 1,312 FT AMSL.

3.

Perimeter fence unmarked and unlit, north side of entire length of RWY 12/30 and south of SOT RWY 30, 82M FM RWY 12/30 CL. Infringes transitional SFC by 4FT.
- PHYSICAL CHARACTERISTICS
- 12/3011746aPCN 39 /F /A /1415 (205PSI) /T SealedWID 30RWS 150
- AERODROME AND APPROACH LIGHTING
- RWY 12/30PAPI(2)AFRU+PAL 126.93.0 DEG41.5FT

RWY 12/30PTBL(1)BY PRIOR ARRANGEMENT

(1)

EMERG only. 2HR PN.

(2)

Left side only.

1.

PAPI power supplied by generators.

2.

Allow 15 seconds for generators to start up and positive confirmation of AD LGT activation communicated through CTAF.

3.

PAPI intensity HN manually controlled by ARO via CTAF 126.9.
- ATS AND AERODROME COMMUNICATION FACILITIES
- FIAMELBOURNE CENTRE124.8 Circuit area

UNICOMKARARA UNICOM126.9 (1)

(1)

CS "Karara UNICOM" when ARO in attendance.
- LOCAL TRAFFIC REGULATIONS
- All ACFT ABV 5,700KG MTOW to make MAX RAD, MNM speed turns at turning nodes only.
- CTAF - AFRU 126.9
- ADDITIONAL INFORMATION
- Caution: intermittent blasting and associated potential fly-rock at Karara mine site located approximately 5-8NM ENE of ARP.
- CHARTS RELATED TO THE AERODROME
1.

WAC 3351.

2.

Also refer AIP Departure and Approach Procedures.
- KARLAWINDA MINE
- ELEV 1928
- AVFAX CODE 6840
- 6L

WA

234652S

1200806E

UTC +8

VAR 1 DEG E

YKWA

CERT

AD OPR Greenmount Resources Pty Ltd, Level 1, 28 Ord Street, West Perth, WA, 6005.

Email: nmitchell@capmet.com.au. PH 08 9212 4600: AD MGR 0423 141 604 (H24).

Fax 08 9212 4699. Website: www.capmetals.com.au.

REMARKS

1.

PPR.

2.

AD AVBL HJ only.

HANDLING SERVICES AND FACILITIES

Marshalling, parking allocation and ground handling services by prior arrangement with AD MGR.

PHYSICAL CHARACTERISTICS

01/1900766aPCN 28 /F /A /1100 (160PSI) /TWID 30RWS 280

AERODROME AND APPROACH LIGHTING

RWY 01/19PTBL(1)BY PRIOR ARRANGEMENT

(1)

EMERG only. 90MIN PN.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE

123.4

**LOCAL TRAFFIC REGULATIONS**

1. All fixed wing ACFT ABV 5,700KG must make MAX RAD turns at MNM speed at turn pads to avoid SFC damage.
2. All ACFT to follow APN markings.
3. All jet ACFT to use idle power for movements on the APN with the exception of breakaway thrust to initiate taxi.
4. RWS not available for flight operations.

**CTAF** 122.0**ADDITIONAL INFORMATION**

1. Blasting at 0500 UTC on intermittent days - MAG BRG 293 DEG 2.43NM FM ARP. CTC Blast Controller 0433 050 874.
2. Caution: Newman (YNWN) AD 28NM to NW. YNWN PROCS overlay and ADJ to PROCS at YKWA.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3230.
2. Also refer to AIP Departure and Approach Procedures.

**KARRATHA****ELEV 33****AVFAX CODE 6802**

WA

204244S

1164624E

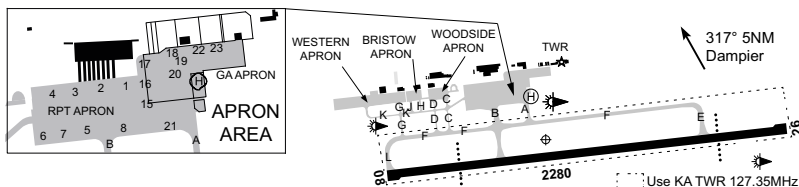
UTC +8

VAR 1 DEG E

YPKA

CERT

AD OPR City of Karratha, Karratha Office, PO Box 219, Karratha, WA, 6714.

Email: [airport.operations@karratha.wa.gov.au](mailto:airport.operations@karratha.wa.gov.au). PH Duty ARO H24 0418 799 460.PH Airport Management Office 08 9186 8507. Website: [airport.karratha.wa.gov.au](http://airport.karratha.wa.gov.au).**REMARKS**

1. AD Charges: All ACFT.
2. At least 72 HRS PN RQ, in writing, to the Council, by MIL ACFT and non-RPT ACFT for parking on main RPT apron positions or for pavement concessions.
3. This AD is a Security Controlled Airport.
4. For airside security gate code CTC Airport Management Office 08 9186 8507 or AD Duty ARO 0418 799 460.

**HANDLING SERVICES AND FACILITIES**

AIR BP: 2300-1000 UTC JO, 2300-0430 UTC SAT and SUN. AH and PH call-out fee applies.

1HR PN required AH. Mobile 0499 747 727, Fax 08 9185 6170. JET A1, AVGAS.

VIVA Energy: 2200-1000 UTC, mobile 0417 831 341, AH 30HR PN mobile 0439 655 002, JET A1.

VIVA Energy Fuel and Fly, VIVA Energy carnet and credit cards (V and MC).

**RESCUE AND FIREFIGHTING SERVICES**

1. CAT 6 OPR HR:
  - a. MON and TUE - 2300-1145 UTC.
  - b. WED - 2300-1215 UTC.
  - c. THU - 2300-1235 UTC.
  - d. FRI - 2300-1125 UTC.
  - e. SAT - 0030-0915 UTC.
  - f. SUN - 0700-1125 UTC.
2. 131.0 MHz AVBL HO.

## APRONS AND TAXIWAYS

1. TWY A not AVBL to ACFT ABV 80,000KG MTOW.
2. ACFT ABV 12,100KG RQ pavement concession to use TWY C, D, G, H and K.
3. TWY C, D, H, J north of TWY K to Bristow and Woodside APN AVBL to HEL ACFT only.
4. TWY F 23M wide with lighting set at 30M.
5. GA APN tie-downs rated to MAX 5,700KG.
6. GA APN active tie-downs designated by white markings with a red stripe.
7. GA APN DCMSD tie-downs designated by a solid red marking.

## AERODROME OBSTACLES

1. Unlit power pole 159FT BRG 252M/3,274M FM SOT RWY 26. Infringes TNS.
2. Tower lit 639FT AMSL (427FT AGL) 356DEG M/5.8 NM (10.7KM) FM ARP.
3. RWY 08/26 transitional SFC south side infringed by secondary illuminated WDI 100M FM RWY 26 THR, 160M FM CL. Infringed by 20FT marked by red OBST LGT.
4. Weather radar "East Intercourse Island", lit with red LGT 207FT AMSL BRG 305 MAG 6NM FM ARP.

## METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT B, METAR/SPECI.
2. WATIR Phone 08 6216 2620 - Report faults to BoM.
3. WATIR 135.85 - Report faults to AD OPR.

## PHYSICAL CHARACTERISTICS

08/26 083 75a PCN 53 /F /B /1500 (218PSI) /T Grooved WID 45 RWS 300

## AERODROME AND APPROACH LIGHTING

|           |         |                             |                      |
|-----------|---------|-----------------------------|----------------------|
| RWY 08/26 | MIRL(2) | AFRU+PAL 127.35             | SDBY PWR AVBL        |
| RWY 08/26 | PAPI(1) | AFRU+PAL 127.35 3.0 DEG62FT | SDBY PWR AVBL        |
| RWY 08/26 | PTBL(3) |                             | BY PRIOR ARRANGEMENT |

- (1) Both sides. Activated by AFRU+PAL outside TWR HR.
  - (2) Activated by AFRU+PAL outside TWR HR. During TWR HR, TWR has intensity control over PAPI, RWY and TWY lighting.
  - (3) EMERG only. 60MIN PN for rotary wing. 120MIN PN for fixed wing.
- Outside TWR HR PAPI, RWY and TWY lighting may switch intensity automatically subject to prevailing conditions. Outside TWR HR normal AFRU+PAL is AVBL. PAL is activated for one hour.

## OTHER LIGHTING

1. SDBY PWR switchover time: 3 MIN.
2. TWY LGT: Blue edge.

## ATS AND AERODROME COMMUNICATION FACILITIES

|      |                  |                 |
|------|------------------|-----------------|
| FIA  | MELBOURNE CENTRE | 122.4 On Ground |
| ATIS | KARRATHA ATIS    | (2) 134.55      |
| SMC  | KARRATHA GROUND  | 123.55          |
| TWR  | KARRATHA TOWER   | 127.35 (1)      |

- (1) Landing ACFT to remain on TWR FREQ until vacated TWY FOXTROT and then MONITOR GND unless instructed otherwise.
- (2) Also AVBL 08 9186 8923
1. TWR HR:
  - a. MON-FRI: 2245-1130 UTC
  - b. SAT: 2245-0645 UTC
  - c. SUN: 0000-1130 UTC

Phone 08 9186 8921^ or email: karratha.tower@airservicesaustralia.com  
*Note: TWR HR may change at short notice. Check status of airspace with ATS or Karratha ATIS.*
2. Karratha TWR provides combined TWR and APP CTL services within Class D airspace BLW 5,500FT AMSL during TWR HR. CTC TWR for clearance.
3. Outside TWR HR, Karratha Class D airspace becomes Class G.
4. Melbourne Centre 122.4 operates Karratha Class E airspace 5,500FT AMSL and ABV H24.

**RADIO NAVIGATION AND LANDING AIDS**

|     |                                                                      |            |           |            |                  |     |
|-----|----------------------------------------------------------------------|------------|-----------|------------|------------------|-----|
| DME | KA                                                                   | 117.3/120X | 204254.4S | 1164626.0E |                  | (1) |
| NDB | KA                                                                   | 404        | 204221.9S | 1164702.3E | Range 70 (HN 70) |     |
| VOR | KA                                                                   | 117.3      | 204254.3S | 1164626.2E |                  | (2) |
| (1) | Antenna ELEV 41FT.                                                   |            |           |            |                  |     |
| (2) | Possible excessive fluctuations BTN radials 270 and 350 due terrain. |            |           |            |                  |     |

**LOCAL TRAFFIC REGULATIONS**

1. Non RPT ACFT with wing span greater than 20M, at least H24 PN required for parking on GA apron.
2. 48HR PN for all ACFT ABV 5,700KG and for all pavement concessions.
3. ACFT ABV 7,000KG RQ to taxi on RCL and turn at turning nodes.
4. All turns at RWY turning nodes to be at MNM speed and MAX RAD to avoid pavement damage.
5. All SVY, practice IAL and NAVAID training within KA Class D and E airspace requires prior notice to TWR 08 9186 8921^.
6. RPT Apron Bay 1 not AVBL HN.

**FLIGHT PROCEDURES**

1. Outside TWR HR, fixed wing ACFT should remain S of RWY 08/26 on base circuit.
2. Circuit Direction:  
Outside TWR HR, RWY 08 Right Hand circuits; RWY 26 Left Hand Circuits.
3. Extensive Helicopter OPS conducted to N of AD.
4. ACFT BAE-146 and above, when joining downwind for RWY 26 are REQ to join the circuit South of the town site to avoid overflying residential areas.
5. Low visibility operations not AVBL.
6. ATC may process SIMUL same direction independent OPS on RWY 08/26 and TWY F as a HLS, with the following conditions:
  - a. In VMC, by day.
  - b. Between HEL and single/twin engined propeller ACFT.
  - c. RWY centre line and TWY centre are spaced at 200M.
  - d. Pertinent traffic will be issued.
  - e. Both ACFT will be on the same FREQ.

**CTAF - AFRU 127.35****ADDITIONAL INFORMATION**

1. Bird and animal hazard exists.
2. Unannounced high velocity gas discharge may occur within D150 (APRX 002DEG MAG/7.5NM ARP).
3. D154 Karratha Dampier Firing Range may be in use without promulgation of NOTAM as indicated by flags lining the range.

**CHARTS RELATED TO THE AERODROME**

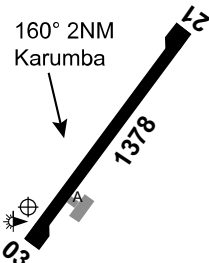
1. WAC 3229.
2. Refer to AIP Departure and Approach Procedures.
3. Aerodrome Obstacle Chart Type A: May 2022 AVBL from AD OPR.

KARUMBA

ELEV 18

AVFAX CODE 4524

160° 2NM  
Karumba



QLD  
172720S      1404954E  
UTC +10  
VAR 6 DEG E  
YKMB  
CERT

AD OPR Shire of Carpentaria, PO Box 31, Normanton, QLD, 4890.  
PH 07 4745 2200. ARO 0427 117 765 H24. Fax 4745 1340.

**REMARKS**  
1. AD Charges: All ACFT.  
2. This AD is a Security Controlled Airport.

**HANDLING SERVICES AND FACILITIES**  
World Fuel Services (WFS): H24 AVGAS bowser WFS cardswipe and credit card (via smartphone APP). PH: 07 4745 1615 or 0474 073 734 (H24).  
Email: wfsnormanton@gmail.com.

PASSENGER FACILITIES

HJ - TX/AC/RF/WC/PT/HC

PHYSICAL CHARACTERISTICS

03/21      032 45a PCN 9 /F /B /900 (131PSI) /U Sealed.      WID 30      RWS 90

AERODROME AND APPROACH LIGHTING

RWY 03/21      LIRL(1)      PAL 120.05      SDBY PWR AVBL  
RWY 03/21      PTBL(2)      BY PRIOR ARRANGEMENT  
(1) PAL requires three one-second pulses to activate.  
(2) 60 MIN PN.  
RWY edge light spacing: 60M.

OTHER LIGHTING

- 1. Secondary PWR switchover time: 15 SEC.
- 2. TWY LGT: Blue Edge.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA      BRISBANE CENTRE      118.6 Circuit Area

CTAF 126.7

ADDITIONAL INFORMATION

Bird hazard exists particularly early morning and late afternoon.

CHARTS RELATED TO THE AERODROME

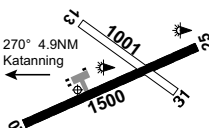
WAC 3220.

KATANNING

ELEV 936

AVFAX CODE 6309

270° 4.9NM  
Katanning



WA  
334201S      1173912E  
UTC +8  
VAR 2 DEG W  
YKNG  
CERT

AD OPR Shire of Katanning, PO Box 130, Katanning, WA, 6317.  
Email: admin@katanning.wa.gov.au. PH 08 9821 9999. ARO 0438 582 732.

REMARKS

CTC ARO for security gate code.

PHYSICAL CHARACTERISTICS

07/25      067 49a 5700/800 (116PSI) Sealed      WID 23      RWS 90  
13/31      132 33c 5700/800 (116PSI) Unrated. Gravel      WID 18      RWS 60

AERODROME AND APPROACH LIGHTING

RWY 07/25      LIRL      PAL+AA 119.6      SDBY PWR AVBL  
SDBY PWR manually activated, 30MIN PN. PH 0409 891 645.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA      MELBOURNE CENTRE      125.4

**CTAF 126.7****CHARTS RELATED TO THE AERODROME**

1. WAC 3642.
2. Also refer to AIP Departure & Approach Procedures.

**KEITH****ELEV 92****FULL NOTAM SERVICE NOT AVBL**

SA

UTC +9:30

YKTH

360651S

1401508E

VAR 9 DEG E

UNCR

AD OPR Tatiara District Council, 43 Woolshed St, Bordertown, SA, 5268.

Email: office@tatiara.sa.gov.au. PH 08 8752 1044. Website: www.tatiara.sa.gov.au.

**PHYSICAL CHARACTERISTICS**

17/35 38c Unrated. Gravel.

WID 15 RWS 77

**AERODROME AND APPROACH LIGHTING**

RWY 17/35 LIRL PAL 120.55

SDBY PWR AVBL

1. Hard wired solar.
2. RWY edge light spacing: 90M.

**OTHER LIGHTING**

TWY light: Blue edge

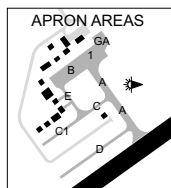
**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE

135.45

**CTAF 126.7****CHARTS RELATED TO THE AERODROME**

WAC 3649.

**KEMPSEY****ELEV 54****AVFAX CODE 2053**

NSW

UTC +10

YKMP

310428S

1524611E

VAR 12 DEG E

CERT

AD OPR Kempsey Shire Council, PO Box 3078, West Kempsey, NSW, 2440. PH 02 6566 3200. ARO 0428 687 258 (H24).

**HANDLING SERVICES AND FACILITIES**

- ▶ Aero Refuellers: JET A1 and AVGAS AVBL H24. MC, V and Aero Refuellers Carnet accepted. PH 0413 003 808.

**PASSENGER FACILITIES**

TX/WC.

## APRONS AND TAXIWAYS

1. TWY C, C1, D and E not AVBL to ACFT ABV 5,700KG MTOW and wingspan greater than 15M.
2. Use of parking Bay 1 is restricted to aerial ambulance (excluding HEL). Other ACFT ABV 5,700KG as approved by AD OPR with 72HR PN.
3. GA aprons not AVBL to ACFT ABV 5,700KG MTOW and wingspan greater than 15M.

## AERODROME OBSTACLES

1. Unlit pole 704FT AMSL BRG 232 DEG MAG 3.4NM FM ARP.
2. Lit TWR:
  - a. 299FT AMSL BRG 351 DEG MAG 1.5NM FM ARP.
  - b. 470FT AMSL BRG 108 DEG MAG 3.9NM FM ARP.
  - c. 482FT AMSL BRG 108 DEG MAG 3.8NM FM ARP.
  - d. 479FT AMSL BRG 185 DEG MAG 2.5NM FM ARP.
3. Unlit trees:
  - a. 140FT AMSL BRG 238 DEG MAG 1.0NM FM ARP.
  - b. 148FT AMSL BRG 239 DEG MAG 1.1NM FM ARP.
  - c. 161FT AMSL BRG 240 DEG MAG 1.1NM FM ARP. Infringes visual segment surface RWY 04.

## METEOROLOGICAL INFORMATION PROVIDED

1. METAR/SPECI.
2. AWIS PH 02 9353 6430 - Report faults to BoM.
3. AWIS FREQ 128.675 - Report faults to AD OPR.

## PHYSICAL CHARACTERISTICS

04/22      042 54a PCN 14 /F /B /1500 (218PSI) /T

WID 30      RWS 90

## AERODROME AND APPROACH LIGHTING

RWY 04/22      LIRL      AFRU+PAL 118.9

RWY edge light spacing: 04/22: 90M.

## OTHER LIGHTING

TWY LGT: Blue edge.

## ATS AND AERODROME COMMUNICATION FACILITIES

FIA      BRISBANE CENTRE      120.55 3500FT

For circuit area and on ground COM, contact Brisbane Centre on 120.95.

## LOCAL TRAFFIC REGULATIONS

Carriage and use of radio is required by AD OPR.

**CTAF - AFRU 118.9**

## NOISE ABATEMENT PROCEDURES

1. Three facilities, located under the extended centreline of RWY 04/22 to the NE of the Kempsey Airport, are noise sensitive areas. These are the Aldavilla Primary School, the Greenhill School, and the Booroongen Djugun Aged Care Facility.
2. When landing on RWY 22, pilots should use the minimum power necessary on approach to minimise noise over noise sensitive areas.
3. Where practicable, pilots should use the full RWY length for take off.
4. Pilots should, where safe, practicable and consistent with expected training outcomes, maintain RWY heading after take off until reaching a height of 1,000FT above aerodrome elevation before making a turn into the circuit.
5. Simulated engine failure practice should not be conducted over noise sensitive areas.
6. Engine ground running, such as during pre-take off checks, may be conducted at any time, but should be kept to the minimum time operationally necessary.
7. Pilots of transponder-equipped aircraft should ensure that, at all times, the transponder is selected to ON/ALT (Mode C).
8. Users of Kempsey Airport should refer to the Kempsey Airport Fly Neighbourly Agreement (FNA) which may be downloaded from the Kempsey Shire Council website at: <http://bit.ly/ksc-fna-dec-19>.



9. Circuit training, as part of flight training school operations by local and visiting operators, is permitted only between the following hours:
- Local Aircraft Operators:
    - MON-FRI (except public holidays)
      - Between 0700-1900 Local (excluding HDS)
      - Between 0700-2200 Local HDS
    - SAT (except when Saturday is declared as a public holiday)
      - Between 0800-1900 Local
    - SUN (except when Sunday is declared as a public holiday)
      - Between 0900-1800 Local
    - NSW public holidays
      - Between 0900-1800 Local

*Note: Circuit training is not permitted on Christmas Day*
  - Visiting Aircraft Operators:
    - MON-FRI (except public holidays)
      - Between 0800-1900 Local

*Note: Circuit training is not permitted on SAT, SUN, public holidays or Christmas Day.*

### ADDITIONAL INFORMATION

- Significant increase in animal hazard (Eastern Grey Kangaroo) WI AD VCY. Bird hazard (magpies) exists mid field RWY 04/22.
- If requesting ARO to conduct wildlife check prior to OPS, 1HR PN required (phone call only, no SMS).
- PJE OPS WI 5NM HJ. CTC AD OPR for additional INFO.

### CHARTS RELATED TO THE AERODROME

- WAC 3357.
- Also refer to AIP Departure and Approach Procedures.

## KENS BORE

**ELEV 709**

### AVFAX CODE 6806

WA

220925S

1160926E

UTC +8

VAR 1 DEG E

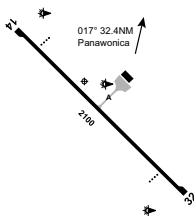
YKBA

CERT

AD OPR Onslow Iron Pty Ltd, 20 Walters Drive, Osborne Park, WA, 6017.

Email: kensbore.airport@mrl.com.au. PH H24 Airport Supervisor 0498 513 268.

Website: www.mineralresources.com.au.



### REMARKS

- Restricted OPS. PPR FM Airport Supervisor.
- Parking allocation by prior arrangement with Airport Supervisor.

### HANDLING SERVICES AND FACILITIES

Marshalling and ground handling services by prior arrangement with Airport Supervisor.  
JET A1 AVBL BTN SUN 2300 to FRI 0000 UTC. 24HR PN required. CTC AD Supervisor.

### PASSENGER FACILITIES

WC and Telstra 4G reception.

### APRONS AND TAXIWAYS

TWY A: Code C, 23M sealed.

### AERODROME OBSTACLES

RWY 14 secondary IWI BRG 325 DEG MAG 652M FM ARP. Infringes TNS by 0.41FT.

PHYSICAL CHARACTERISTICS

14/32            134    69a    PCN 44 /F /A /1448 (210PSI) /T Grooved.            WID 30            RWS 280

AERODROME AND APPROACH LIGHTING

RWY 14/32            LIRL            PAL+AA 120.15  
RWY 14/32            PAPI(1)            PAL+AA 120.15            3.0 DEG53.3FT  
(1)            Left side.

OTHER LIGHTING

TWY LGT: blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA            MELBOURNE CENTRE            122.4  
FIA            MELBOURNE CENTRE            125.7  
UNICOM    KENS BORE UNICOM            126.7 (1)  
(1)            CS "Kens Bore UNICOM".

LOCAL TRAFFIC REGULATIONS

1. All fixed wing ACFT ABV 20,000KG must make MAX RAD turns at MNM speed at all turning pads to avoid SFC damage.
2. All ACFT to follow APN markings.
3. All jet ACFT to use idle power for movements on the APN with the exception of breakaway thrust to initiate taxi. ACFT that cannot comply with this restriction must advise the AD OPR prior to departure.
4. RWS not AVBL from flight OPS.

CTAF - AFRU 126.7

AFRU located at YBGD. Not AVBL on ground.

CHARTS RELATED TO THE AERODROME

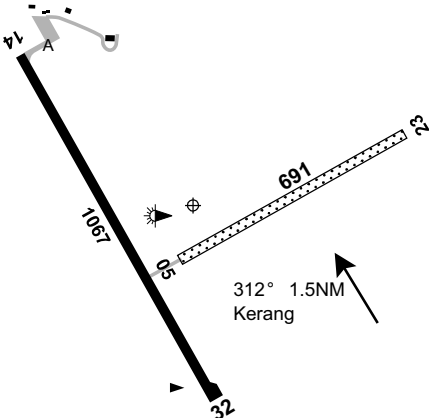
1. WAC 3229.
2. Also refer to AIP Departure and Approach Procedures.

KERANG

ELEV 255

AVFAX CODE 3028

VIC            UTC +10            YKER  
354505S            1435622E            VAR 10 DEG E            CERT  
AD OPR Gannawarra Shire Council, 47 Victoria Street, Kerang, VIC, 3579. PH 03 5450 9333.  
Fax 5450 3023.



HANDLING SERVICES AND FACILITIES

AVGAS 100LL and JET A1, Aero Refuellers Carnet card, Visa or MC only.

PASSENGER FACILITIES

WC.

**AERODROME OBSTACLES**

Tower 423FT, 1,903M NW of 14 RWS end infringes HZS.

**PHYSICAL CHARACTERISTICS**

05/23            048   23c   5700/400 (58PSI) White sand.  
14/32            138   35a   5700/400 (58PSI)

WID 18    RWS 90  
WID 18    RWS 90

**AERODROME AND APPROACH LIGHTING**

RWY 14/32    LIRL(1)    PAL 123.4

SDBY PWR AVBL

(1)    PAL requires three one-second pulses to activate.

**OTHER LIGHTING**

1.    SDBY PWR switchover time: 30 SEC.
2.    TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA            MELBOURNE CENTRE            125.8 2000FT

**CTAF - AFRU** 126.7

**CHARTS RELATED TO THE AERODROME**

1.    WAC 3458.
2.    Also refer to AIP Departure and Approach procedures.

**KHOLO HELIPAD**

**ELEV 220**

**FULL NOTAM SERVICE NOT AVBL**

QLD

UTC +10

YKHO

272952S

1524628E

VAR 11 DEG E

UNCR

AD OPR Matthew Gadsby, 479 Lake Manchester Road, Kholo, QLD, 4306.

Email: mindydavies81@gmail.com. PH 0434 300 070.

**REMARKS**

1.    HJ OPS only.
2.    Due to the limited space, prior approval is required unless in the case of an EMERG.
3.    CAUTION: This HLS is not subject to NOTAM advice of unserviceability. Approvals and HLS conditions can be obtained from the contact telephone number above.

**AERODROME OBSTACLES**

Windsock located on hangar roof.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA            BRISBANE CENTRE            121.2 Circuit Area  
ACD            AMBERLEY DELIVERY            134.6 (1)  
APP            AMBERLEY APPROACH            126.2 (1)  
TWR            AMBERLEY TOWER            118.3 (1)

(1)    Circuit area.

**LOCAL TRAFFIC REGULATIONS**

1.    Amberley provides ATS within the CTR from SFC to 8,500FT when active - check NOTAMS.
2.    During activated CTR periods contact Amberley Clearance and Delivery for clearance.
3.    During deactivated CTR periods airspace - CTAF procedures apply within the zone.
4.    Overnight HEL parking available on the pad or on grassed area to the NE of the pad (sloping ground NE to SW).

**FLIGHT PROCEDURES****1. ARRIVING ACFT**

- a. Arrivals from the EAST (328DEG M)
- b. Arrivals from the WEST (119DEG M)

**2. DEPARTING ACFT**

- a. Departure to the EAST (148DEG M)
- b. Departure to the WEST (299DEG M)

*Note: Contact YAMB on the ground prior to departure on 07 5361 3349 for status and/or clearance.*

**CTAF** 118.3

NOISE ABATEMENT PROCEDURES

On approach and departure remain North of Lake Manchester Road to avoid housing within 0.5NM of the South and South West of the HLS.

ADDITIONAL INFORMATION

1. CAUTION AIRSPACE - HLS is within YAMB CTR (contact YAMB or YBBN for airspace status).
2. CAUTION TRAFFIC - HLS is within 1NM of the Lake Manchester (LMC) VFR call up point.
3. Amberley AWIS 07 3564 3700 - CAUTION HLS conditions may differ due to local terrain.
4. Bird and wildlife hazard exists.

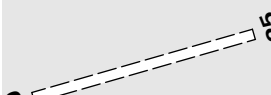
CHARTS RELATED TO THE AERODROME

WAC 3340.

KIDMAN SPRINGS

ELEV 290

FULL NOTAM SERVICE NOT AVBL



NT

160657S

1305712E

UTC +9:30

VAR 3 DEG E

YKDM

UNCR

AD OPR Dept of Primary Production, Kidman Springs Station,  
Private Mail Bag 48, Katherine, NT, 0852. PH 08 8975 0762.

PASSENGER FACILITIES

Telephone facilities not AVBL.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA BRISBANE CENTRE 122.6 FL125

CTAF 126.7

CHARTS RELATED TO THE AERODROME

WAC 3222.

KIDSTON

ELEV 1710

FULL NOTAM SERVICE NOT AVBL



QLD

185215S

1441024E

UTC +10

VAR 7 DEG E

YKID

UNCR

AD OPR Genex Power Ltd, Suite 5B, Level 5, 201 Leichhardt St, Spring Hill, QLD,  
4000. PH 0439 065 926. ARO 07 4062 4100 or 07 4062 4157.  
ARO AH 0424 300 434.

REMARKS

PPR with 48HR PN for all OPS except medical emergencies.

AERODROME OBSTACLES

Lit TWR 279 DEG MAG 0.32NM FM THR RWY 03, 295FT AGL.

AERODROME AND APPROACH LIGHTING

Emergency flares AVBL with 30MIN PN for medical emergencies only.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA BRISBANE CENTRE 119.8 Circuit Area

LOCAL TRAFFIC REGULATIONS

ACFT must avail of full RWY upon LDG in either direction. ACFT turn at RWY ends only.

CTAF 126.7

CHARTS RELATED TO THE AERODROME

WAC 3219.

**KILCOY****ELEV 400****FULL NOTAM SERVICE NOT AVBL**

 QLD 265816S 1523355E UTC +10 YKCY  
VAR 11 DEG E UNCR  
AD OPR South East Queensland Sport Aircraft Club (SEQSAC),  
PO Box 195, Kilcoy, QLD, 4515. Email: kilcoyairfield@gmail.com.  
PH 0434 449 737 or 0416 323 224. Website: www.kilcoyairfield.club.

**PASSENGER FACILITIES**

WC.

**PHYSICAL CHARACTERISTICS**

09/27 23c Unrated. Grass. RWY LEN 700M. WID 20

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 129.0 On Ground

**LOCAL TRAFFIC REGULATIONS**

1. Visitor ACFT PRKG south of hangars and west of TWY.
2. HEL OPS: hovering and PRKG S of hangars and E of TWY only. HEL to exercise extreme caution as rotar wash may dislodge RWY marker cones.

**FLIGHT PROCEDURES**

1. CCTS for YKCY resident aircraft permitted HJ only.
2. Commercial CCTS operations not permitted.
3. HEL OPS HN require written permission from AD OPR, except in EMERG.

**CTAF** 126.7**NOISE ABATEMENT PROCEDURES**

1. Avoid flying over noise sensitive farm house 1NM to the north of the field.
2. Avoid low level CCTS on RWY 09.

**ADDITIONAL INFORMATION**

Following extended rain periods, parts of the AD SFC may become soft. Guidance should be sought from the OPR prior to use.

**CHARTS RELATED TO THE AERODROME**

WAC 3340.

**KILLARNEY****ELEV 636****FULL NOTAM SERVICE NOT AVBL**

NT 161501S 1314449E UTC +9:30 YKLE  
VAR 3 DEG E UNCR  
AD OPR Killarney Station, PMB 201, Katherine, NT, 0851. PH 08 8975 0750.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 122.6 FL120

**CTAF** 126.7**CHARTS RELATED TO THE AERODROME**

WAC 3222.

KIMBA

ELEV 763

AVFAX CODE 5306

91

210° 3.5NM

Kimba

1112

1580

33

03

SA

330526S

1362752E

UTC +9:30

VAR 7 DEG E

YIMB

CERT

AD OPR Kimba District Council, PO Box 189, Kimba, SA, 5641.

ARO 8627 2026. ARO AH 0428 515 002. Council PH 08 8627 2026.

AERODROME OBSTACLES

COM tower 1,310FT AMSL BRG 233.8 DEG MAG 3.94 NM FM ARP.

PHYSICAL CHARACTERISTICS

03/21

033

52c

Unrated. Gravel, Central 18M sealed.

WID 30

RWS 90

15/33

154

36c

Unrated. Brown clay sand.

WID 30

RWS 90

AERODROME AND APPROACH LIGHTING

RWY 03/21

LIRL

AFRU+PAL 126.7

BY PRIOR ARRANGEMENT

RWY 03/21

PTBL(1)

BY PRIOR ARRANGEMENT

RWY 15/33

PTBL(1)

(1)

EMERG only. 90MIN PN.

RWY 03/21

edge light spacing: 60M.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

MELBOURNE CENTRE

123.9 5000FT

LOCAL TRAFFIC REGULATIONS

RWS 15/33 AVBL for TKOF and LDG.

CTAF - AFRU 126.7

CHARTS RELATED TO THE AERODROME

1. WAC 3459.

2. Also refer AIP Departure and Approach Procedures.

KIN KIN RETREAT

ELEV 400

WA

342245S

1161920E

UTC +8

VAR 2 DEG W

YKKN

UNCR

AD OPR John Sanders, PO Box 331, Manjimup, WA, 6258. PH 08 9773 1268.

8

□

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□

2

REMARKS

PPR.

PHYSICAL CHARACTERISTICS

RWS 45M. Grass.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

MELBOURNE CENTRE

124.9

CTAF 126.7

CHARTS RELATED TO THE AERODROME

WAC 3462.

**KINDRA FALLS****ELEV 700**

NSW

344327S

1470839E

UTC +10

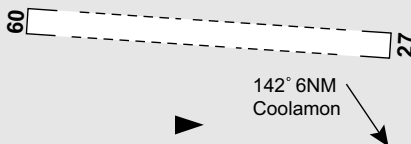
VAR 11 DEG E

YKFS

UNCR

AD OPR Andrew Bishop, 978 Ardlethan Road, Coolamon, NSW, 2701.

Email: andyandchris@icloud.com. PH 0414 285 556 (H24).

**REMARKS**

1. PPR. Private use.
2. Daylight OPS only.

**AERODROME OBSTACLES**

1. Fences both ends of RWY strip.
2. Trees right of centreline on approach to RWY 09.

**PHYSICAL CHARACTERISTICS**

09/27 23c Unrated smooth dirt. RWY LEN 700M. WID 20

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 134.65

**CTAF** 126.7**ADDITIONAL INFORMATION**

1. Stock graze occasionally in the airstrip paddock when not in use.
2. AD can become slippery after rain.

**CHARTS RELATED TO THE AERODROME**

WAC 3456, 3457.

**KING ASH BAY****ELEV 30****FULL NOTAM SERVICE NOT AVBL**

NT

155552S

1362855E

UTC +9:30

VAR 4 DEG E

YKAB

UNCR

AD OPR King Ash Bay Fishing Club, 1 Batten Road, King Ash Bay, NT, 0854.

PH 0400 789 922.

**AERODROME OBSTACLES**

Hazard: aerial 100FT SW 1KM.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 128.5

**CTAF** 126.7**ADDITIONAL INFORMATION**

Animal hazard exists.

**CHARTS RELATED TO THE AERODROME**

WAC 3110.

**KING ISLAND****ELEV 132****AVFAX CODE 7013**

TAS

395239S

1435242E

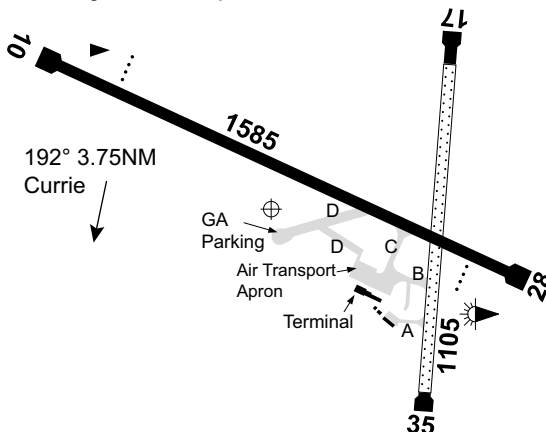
UTC +10

VAR 12 DEG E

YKII

CERT

AD OPR King Island Council, PO Box 147, Currie, King Island, TAS, 7256.

Email: [airport@kingisland.tas.gov.au](mailto:airport@kingisland.tas.gov.au). ARO 03 6462 1499. Council PH 03 6462 9000.Website: [www.kingisland.tas.gov.au/live/airport/](http://www.kingisland.tas.gov.au/live/airport/).**REMARKS**

1. AD Charges: all ACFT. Copies of conditions of use can be obtained from AD OPR or website.
2. This AD is a Security Controlled Airport.
3. Hi visibility safety vest (or equivalent) and valid ASIC or King Island VIC must be worn/ displayed airside.

**HANDLING SERVICES AND FACILITIES**

Fuel supplied by IOR Aviation Pty Ltd. JET A1 H24. Payment method via IOR Aviation tag for account holders or via the Fuelcharge APP. PH 1300 457 467.

**PASSENGER FACILITIES**

HC (King Island Car Rental)/LG/RF/WC.

**AERODROME OBSTACLES**

1. IWI 142FT AMSL BRG 105 MAG 672M FM ARP. Infringes TNS by 1.3FT.
2. Fence 128FT AMSL PARL to RWY LOC 553M to 620M FM SOT RWY 10 and 91M S of RCL infringes TNS by up to 4.3FT.
3. Tree:
  - a. 152FT AMSL BRG 312 MAG 553M FM ARP infringes TNS by up to 9.5FT.
  - b. 165FT AMSL BRG 275MAG 306M FM ARP infringes TNS by up to 6.2FT.

**APRONS AND TAXIWAYS**

1. Code C ACFT limited to use TWY C WID 15M.
2. TWY C and Air Transport APN bitumen sealed.
3. TWY B WID 15M, gravel.
4. TWY D WID 10.5M, gravel.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT C, METAR/SPECI.
2. AWIS PH 03 6283 8603 - Report faults to BoM.
3. AWIS FREQ 128.75 (requires one-second pulse to activate) - Report faults to AD OPR.



**PHYSICAL CHARACTERISTICS**

|                                         |     |     |                                           |        |         |
|-----------------------------------------|-----|-----|-------------------------------------------|--------|---------|
| 10/28                                   | 103 | 52a | PCN 15 /F /C /1050 (152PSI) /U Sealed     | WID 30 | RWS 150 |
| 17/35                                   | 172 | 36c | PCN 10 /F /C /580 (84PSI) /U Grey gravel: | WID 30 | RWS 90  |
| 95(311) N end and 42 (137) S end sealed |     |     |                                           |        |         |

**AERODROME AND APPROACH LIGHTING**

|           |         |                 |                           |
|-----------|---------|-----------------|---------------------------|
| RWY 10/28 | LIRL(2) | AFRU+PAL 126.85 | SDBY PWR AVBL             |
| RWY 10/28 | PAPI(3) | AFRU+PAL 126.85 | 3.0 DEG41FT SDBY PWR AVBL |
| RWY 17/35 | PTBL(1) |                 | BY PRIOR ARRANGEMENT      |

- (1) MED EMERG only, 60 MIN PN RQ to ARO.
- (2) White LED.
- (3) LED lighting type. Left side.
1. RWY edge light spacing: 10/28 - 59M, LIRL white.
2. THR: green.
3. RWY ends: red.

**OTHER LIGHTING**

1. SDBY PWR switchover time: 15 SEC.
2. TWY LGT: Blue edge.
3. Blue edge LGT on RWY 10/28 turn pads.
4. RWY holding position LGT: Amber edge.
5. HBN (Telstra Tower) to NNW of AD.

**ATS AND AERODROME COMMUNICATION FACILITIES**

|     |                  |                 |
|-----|------------------|-----------------|
| FIA | MELBOURNE CENTRE | 123.9 On Ground |
|-----|------------------|-----------------|

**RADIO NAVIGATION AND LANDING AIDS**

|     |                |     |           |            |                    |     |
|-----|----------------|-----|-----------|------------|--------------------|-----|
| NDB | KII            | 332 | 395320.8S | 1435231.2E | Range 130 (HN 110) | (1) |
| (1) | 003/0.7 to ARP |     |           |            |                    |     |

**LOCAL TRAFFIC REGULATIONS**

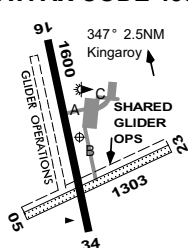
1. RWS not AVBL for LDG or TKOF.
2. VHF transmissions of TAX ACFT may be subject to GND shielding. Extreme CTN must be exercised.
3. ACFT PRKG restrictions apply, PN RQ to ARO.

**CTAF - AFRU 126.85****ADDITIONAL INFORMATION**

Bird hazard exists. Periods of increases activity will be advised by NOTAM.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3556, 3469
2. Also refer to AIP Departure and Approach procedures.

**KINGAROY****ELEV 1492****AVFAX CODE 4004**

QLD  
263451S 1515028E  
AD OPR South Burnett Regional, PO Box 336, Kingaroy, QLD, 4610.  
PH H24 07 4189 9100 (option #3 AH). Fax 07 4162 4806.

UTC +10  
VAR 10 DEG E

YKRY  
CERT

**HANDLING SERVICES AND FACILITIES**

AVGAS H24 Card Swipe Bowser (MC and V credit card only). Other services  
Phone 07 4162 2629 for details.

**PASSENGER FACILITIES**

PT/TX (07 4162 1277)/HC/LG/WC/AC/ME.

AERODROME OBSTACLES

1.

LIOL - mast, 187FT AGL, bearing 006DEG M, 4,750M FM TODA end RWY 34.
2.

LIOL - two lit masts 98FT AGL, BRG 110 M, 3,000M FM THR RWY 16.
3.

Unlit mountain ridge 1,749FT AMSL, 1.61NM FM THR 23 at 55.1 DEG MAG, infringes conical OLS for RWY 05/23 by 20FT.

METEOROLOGICAL INFORMATION PROVIDED

1.

TAF CAT C, METAR/SPECI.
2.

AWIS PH 07 3564 3720 - Report faults to BoM.
3.

AWIS FREQ 125.95 - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

|       |     |     |                                |        |         |
|-------|-----|-----|--------------------------------|--------|---------|
| 05/23 | 055 | 43c | Unrated. Grass brown silt clay | WID 30 | RWS 90  |
| 16/34 | 159 | 52a | PCN 11 /F /B /800 (116PSI) /T  | WID 30 | RWS 150 |

AERODROME AND APPROACH LIGHTING

|           |         |           |                      |
|-----------|---------|-----------|----------------------|
| RWY 16/34 | LIRL    | PAL 119.6 | SDBY PWR AVBL        |
| RWY 16/34 | PTBL(1) |           | BY PRIOR ARRANGEMENT |

- (1)

EMERG only.
1.

PAL requires three times one SEC pulses WI a 14SEC period.
2.

RWY edge light spacing: 16/34: 90M.

OTHER LIGHTING

TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

|     |                 |                 |
|-----|-----------------|-----------------|
| FIA | BRISBANE CENTRE | 121.2 On Ground |
|-----|-----------------|-----------------|

FLIGHT PROCEDURES

1.

Right hand circuits RWY 34 H24.
2.

All circuits left-hand RWY 05/23. Gliders/tugs normally fly below and inside standard 1,000FT circuit.
3.

Gliding OPS HJ. Simultaneous operations from glider strip marked with pink tyres, parallel to RWY 16/34.

CONTRA CIRCUITS IN OPERATION RWY 16/34 ONLY.

**THERE IS NO DEAD SIDE WITH CONTRA CIRCUITS.**

4.

Glider/tug circuits on glider strip 16/34 to W, other ACFT circuits to E. Other ACFT must not infringe glider circuit BLW 1,500FT AGL. Gliders/tugs right hand circuits Glider strip 16.
5.

WHERE POSSIBLE ACFT SHOULD CONFORM TO ESTABLISHED RWY DIRECTION IN USE. Join circuit for RWY 16/34 in downwind position or upwind along RWY 16/34 to avoid glider circuit.
6.

If use of a crossing RWY is operationally necessary a wide circuit to join a long final clear of established circuit traffic is advised. On DEP maintain RWY heading until clear of other traffic.

CTAF 127.45

ADDITIONAL INFORMATION

1.

Gliders operate from WI RWS when using RWY 05/23.
2.

Model ACFT OPR WI 500M radius of PSN 262948.00S 1515430.00E BRG 024 MAG 6.3NM FM Kingaroy AD (YKRY) SFC to 1,000FT AGL.

CHARTS RELATED TO THE AERODROME

1.

WAC 3340.
2.

Also refer to AIP Departure and Approach Procedures.

KINGS CREEK STN

10

28

NT

242513S

1314908E

AD OPR Kings Creek Station, PMB, Alice Springs, NT, 0872.

PH 08 8956 7474.

ELEV 2017

FULL NOTAM SERVICE NOT AVBL

UTC +9:30

VAR 4 DEG E

YKCS

UNCR

**REMARKS**

AD Charges: Commercial ACFT.

**PASSENGER FACILITIES**

Telephone facilities not AVBL.

**AERODROME OBSTACLES**

Hill located 170 MAG distance 1.2NM 207FT ABV AD ELEV.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 121.85 Circuit Area

**FLIGHT PROCEDURES**

CAUTION. Do not overfly helipad located 2NM N of RWY on corner of highway and homestead driveway.

CTAF 126.7

**CHARTS RELATED TO THE AERODROME**

WAC 3344.

**KINGSCOTE/KANGAROO ISLAND****ELEV 24****AVFAX CODE 5007**

SA

354250S

1373117E

UTC +9:30

VAR 8 DEG E

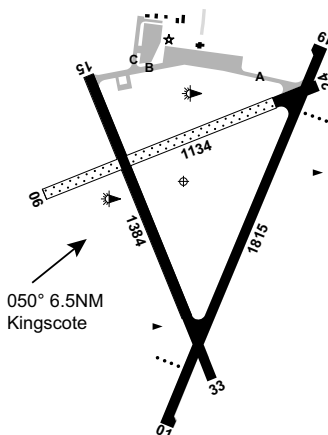
YKSC

CERT

AD OPR Kangaroo Island Council, PO Box 121, Kingscote, SA, 5223.

Email: [kiairport@kicouncil.sa.gov.au](mailto:kiairport@kicouncil.sa.gov.au). ARO H24 0407 715 363. Council PH 08 8553 4500:

Airport Phone 08 8553 4532.

**REMARKS**

1. AD Charges: RPT and PAX Charter - as per passenger levy. All other ACFT, MTOW.
2. This AD is a Security Controlled Airport.

**HANDLING SERVICES AND FACILITIES**

Fuel not AVBL.

**PASSENGER FACILITIES**

PT/HC (Budget 08 8553 3133, Fax 8553 9091: Hertz 13 30 39 Local enquiries 08 8553 9144, Fax 8553 9124/BU Shuttle (KI Transfers 0427 887 575)/LG/RF/WC

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT C, METAR/SPECI.
2. AWIS PH 08 8150 3806 - Report faults to BoM.
3. AWIS FREQ 127.45 - Report faults to AD OPR.

|       |     |     |                                |        |         |
|-------|-----|-----|--------------------------------|--------|---------|
| 01/19 | 014 | 60a | PCN 38 /F /C /1100 (160PSI) /T | WID 30 | RWS 150 |
| 06/24 | 059 | 37c | PCN 4 /F /C /730 (106PSI) /U   | WID 30 | RWS 90  |
| 15/33 | 149 | 45a | PCN 8 /F /C /730 (106PSI) /U   | WID 30 | RWS 90  |

|           |         |           |             |                      |
|-----------|---------|-----------|-------------|----------------------|
| RWY 01/19 | LIRL    | PAL 122.3 |             | SDBY PWR AVBL        |
| RWY 01/19 | PAPI(2) | PAL 122.3 | 3.0 DEG47FT | SDBY PWR AVBL        |
| RWY 01/19 | PTBL(1) |           |             | BY PRIOR ARRANGEMENT |
| RWY 06/24 | PTBL(1) |           |             | BY PRIOR ARRANGEMENT |
| RWY 15/33 | PTBL(1) |           |             | BY PRIOR ARRANGEMENT |

SA 364912S 1395212E UTC +9:30 YKIG  
AD OPR Kingston District Council, 29 Holland Street, PO Box 321, UNCR  
Kingston SE, SA, 5275. PH 08 8767 2033. ARO 0437 673 114:  
0417 309 318: 0417 877 238.

|                                        |     |                                         |        |        |
|----------------------------------------|-----|-----------------------------------------|--------|--------|
| 02/20                                  | 33a | 5700/ Spray sealed SFC. RWY LEN 1,008M. | WID 15 | RWS 90 |
| 10/28                                  | 23c | 2000/ Grass. RWY LEN 705M.              | WID 30 |        |
| RWY 10/28 AVBL HJ. RWY 02/20 AVBL H24. |     |                                         |        |        |

**AERODROME AND APPROACH LIGHTING**

RWY 02/20 PAL 126.7.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 125.8 Circuit Area

**CTAF** 126.7**CHARTS RELATED TO THE AERODROME**

WAC 3469.

**KONDININ****ELEV 965****FULL NOTAM SERVICE NOT AVBL**

WA

322803S

1181611E

UTC +8

VAR 1 DEG W

YKDN

UNCR

AD OPR Shire of Kondinin, 11 Gordon Street, (PO Box 7), Kondinin, WA, 6367.

Email: [enquires@kondinin.wa.gov.au](mailto:enquires@kondinin.wa.gov.au). ARO 08 9889 1006. Fax 08 9889 1197.Website: [www.kondinin.wa.gov.au](http://www.kondinin.wa.gov.au).**REMARKS**

1. OPS allowed include RFDS, private pilots including cropdusters and occasional flight training. ACFT ABV 5,700KG MTOW not permitted.
2. OPR 24HR in case of RFDS.

**PASSENGER FACILITIES**

Kondinin Roadhouse PH 08 9889 1190.

**AERODROME OBSTACLES**

Telstra communication mast 1,108FT AMSL BRG 191 MAG 1.54NM FM ARP.

**PHYSICAL CHARACTERISTICS**18/36 42c 5700/ Unsealed. Gravel. RWY LEN 1,275M, WID 30  
HN RWY LEN 1,075M.**AERODROME AND APPROACH LIGHTING**

RWY 18/36 LIRL PAL+AA 120.35

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 125.4

**CTAF - AFRU** 126.7**ADDITIONAL INFORMATION**

Kangaroo hazard exists.

**CHARTS RELATED TO THE AERODROME**

WAC 3462.

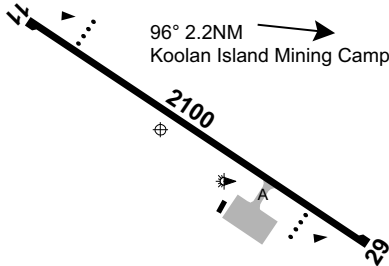
KOOLAN ISLAND/KOOLAN CENTRAL

ELEV 540

AVFAX CODE 6918

WA  
160733S  
AD OPR Mount Gibson Iron Ltd, Level 1, 2 Kings Park Road, West Perth, WA, 6005.  
Email: ki.aerodrome@mgx.com.au. PH 08 9426 7500; Site: 08 9423 0858. ARO 0435 009 670.

1234405E  
UTC +8  
VAR 2 DEG E  
YKLC  
CERT



REMARKS

- 1. AD is a private installation - PPR FM AD OPR 24HR.
- 2. PRI and secondary source of PWR is derived FM generators.

HANDLING SERVICES AND FACILITIES

Air BP - JET A1 via arrangement. CTC ARO.

General

Marshalling provided for all ACFT ABV 5,700KG.

PASSENGER FACILITIES

LG/RF/WC. Telephone facilities AVBL and Telstra 3G mobile reception.

APRONS AND TAXIWAYS

TWY A - Code C, 15M bitumen.

AERODROME OBSTACLES

Lit mast 571FT AMSL BRG 048 MAG 240M FM ARP. Infringes transitional SFC by 3FT.

METEOROLOGICAL INFORMATION PROVIDED

- 1. TAF CAT C, METAR/SPECI.
- 2. AWIS FREQ 122.250 (requires three one-second pulses to activate) - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

11/29 113 69a PCN 39 /F /A /1400 (203PSI) /T Sealed. WID 30 RWS 150

AERODROME AND APPROACH LIGHTING

RWY 11/29 LIRL AFRU+PAL 127.2 SDBY PWR AVBL  
RWY 11/29 PAPI(1) AFRU+PAL 127.2 3.0 DEG53FT SDBY PWR AVBL  
(1) Left side.  
RWY edge light spacing: 60M.

OTHER LIGHTING

- 1. TWY LGT: Blue edge.
- 2. SDBY PWR - automatically activated, switchover time: 8 SEC.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA BRISBANE CENTRE 122.1  
UNICOM KOOLAN ISLAND/KOOLAN BASE UNICOM 129.35 (1)  
(1) All OPS advise AD OPR at least 20MIN prior to ETA.

**LOCAL TRAFFIC REGULATIONS**

1. RWY 11/29: All fixed wing ACFT ABV 5,700KG must make MAX RAD turns at MNM speed at all turning nodes to avoid SFC damage.
2. All ACFT to follow APN markings as required.
3. All jet ACFT to use idle power for movements on the APN with the exception of breakaway thrust to initiate taxi. ACFT that cannot comply with this restriction must advise the AD OPR prior to departure.

**FLIGHT PROCEDURES**

For special procedures which apply to the Horizontal Falls, see entry under ERSa GEN - SPECIAL PROCEDURES.

**CTAF - AFRU 127.2****ADDITIONAL INFORMATION**

1. Blasting 0.2NM south FM ARP. Contact ARO for blasting times.
2. Secondary WDI 180M N of RWY 11 THR.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3223.
2. Also refer to AIP Departure and Approach Procedures.

**KOORALBYN****ELEV 308****FULL NOTAM SERVICE NOT AVBL**

QLD

280524S

1525027E

UTC +10

VAR 11 DEG E

YKBN

UNCR

AD OPR Kooralbyn Airfield Pty Ltd, PO Box 4472, Ashmore, QLD, 4214.

PH 07 5544 6688.

**REMARKS**

1. Permission required before flying in.
2. AD charges: Private ACFT.

**PASSENGER FACILITIES**

PT/RF/BU/WC/AC (Kooralbyn Resort Phone 07 5544 6222).

**PHYSICAL CHARACTERISTICS**

RWY length 1,200M, WID 10M.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

119.5 2500FT

**FLIGHT PROCEDURES**

1. Right hand CCTS RWY 12.
2. Left hand CCTS RWY 30.

**CTAF 126.65****ADDITIONAL INFORMATION**

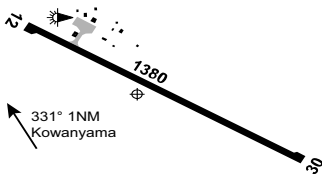
1. Ultralight OPS.
2. Bird and kangaroo hazard exists.
3. Caution: Airfield perimeter unfenced, watch for pedestrians crossing RWY.

**CHARTS RELATED TO THE AERODROME**

WAC 3357.

KOWANYAMA  
AVFAX CODE 4514

ELEV 35



QLD  
152908S      1414505E      UTC +10  
AD OPR Kowanyama Aboriginal Shire Council,  
C/O PO Kowanyama, QLD, 4871.  
Email: manager.airport@kowanyama.qld.gov.au:  
admin@kowanyama.qld.gov.au.  
ARO MON-FRI HJ 07 4083 7110: 0457 719 203 (H24).  
Council PH MON-FRI 07 4083 7100.

YKOW  
CERT

REMARKS

1. AD Charges: All ACFT - contact Airport for charges.
2. Alcohol is restricted in Kowanyama Shire. Heavy penalties apply. Special provisions apply for alcohol being transported on consignment, and restrictions may vary from time to time. Further information on alcohol restrictions is available by calling 13 QGOV (13 74 68) or at: <https://www.datsip.qld.gov.au/programs-initiatives/community-alcohol-limits>

HANDLING SERVICES AND FACILITIES

Kowanyama Council: JO 0800-1700 Local. Fuel not AVBL SAT-SUN except for RFDS MEDEVAC. AH call-out fee applies MON-FRI, SAT-SUN and PH. Phone 07 4083 7160, AH 0457 719 203, Fax 07 4060 5256, JET A1 only. Cash or prior arrangement only for payment - no cards accepted.

PASSENGER FACILITIES

Telephone facilities AVBL at township only.

METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT D, METAR/SPECI.
2. AWIS PH 07 3564 3721 - Report faults to BoM.
3. AWIS FREQ 128.25 - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

12/30      114   45a   PCN 6 /F /B /850 (123PSI) /T Sealed

WID 30      RWS 90

AERODROME AND APPROACH LIGHTING

RWY 12/30      LIRL      AFRU+PAL 126.7

RWY edge light spacing: 12/30: 58M.

SDBY PWR AVBL

OTHER LIGHTING

1. SDBY PWR switchover time: 15 SEC.
2. TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA      BRISBANE CENTRE      118.2 9500FT

UNICOM   KOWANYAMA UNICOM      126.7 (1)

(1) CS "Kowanyama UNICOM".

CTAF - AFRU 126.7

ADDITIONAL INFORMATION

Birds and wallabies in vicinity of AD.

CHARTS RELATED TO THE AERODROME

1. WAC 3112.
2. Also refer to AIP Departure and Approach Procedures.



**KUBIN****ELEV 15****FULL NOTAM SERVICE NOT AVBL**

QLD

UTC +10

YKUB

101336S

1421325E

VAR 5 DEG E

UNCR

AD OPR Torres Strait Island Regional Council, PO Box 7336, Cairns, QLD, 4870.

PH 07 4034 5700. ARO 0439 401 497 (H24).

**REMARKS**

RESTRICTED OPS: PPR from AD OPR.

**PHYSICAL CHARACTERISTICS**

11/29 33a Unrated. Sealed

WID 18 RWS 60

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

120.3 3500FT

**FLIGHT PROCEDURES**

For special procedures which apply to Torres Strait biosecurity requirements, see ERSa GEN - SPECIAL PROCEDURES.

CTAF 126.5

**ADDITIONAL INFORMATION**

Bird and animal hazard exists.

**CHARTS RELATED TO THE AERODROME**

WAC 3097.

**KUNUNURRA****ELEV 145****AVFAX CODE 6910**

WA

UTC +8

YPKU

154641S

1284227E

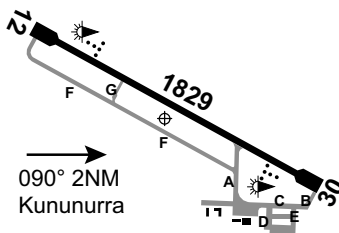
VAR 3 DEG E

CERT

AD OPR Shire of Wyndham East-Kimberley, PO Box 614, Kununurra, WA, 6743.

Email: airports@swek.wa.gov.au. PH AD Manager: 08 9166 2501. ARO H24 0439 930 373.

Council PH 08 9168 4100. Fax 08 9168 1904.

**REMARKS**

1. AD Charges: All ACFT.
2. Overnight PRKG fees apply.
3. This AD is a Security Controlled Airport.
4. All pilots and operators must possess and display a current Aviation Security Identification card (ASIC) when airside.
5. Gate 7 code to access airside can be obtained by contacting Airport Operations Office on 08 9166 2503 or 0439 930 373.
6. Quarantine area - 48HR PN REQ for entry FM interstate for quarantine checks. Phone 0429 088 130, Fax 08 9168 7333. Restrictions apply on all fruit and vegetables when entering WA.

HANDLING SERVICES AND FACILITIES

AIR BP: 2300-1000 UTC DLY. Phone 08 9168 1810, AH 0419 900 813. H24 cardswipe bowser, AVGAS, JET A1. Call-out fees apply AH.  
VIVA Energy Aviation: Kimberley Aviation Refuellers 2230-0930 UTC, Phone 08 9168 1210 diverts to mobile, Fax 08 9168 1026, Mobile 0418 847 269. AVGAS, JET A1. Viva Energy Fuel2Sky Card and Credit cards (V and MC).

APRONS AND TAXIWAYS

- 1. TWY D, E, F, G and TWY C, W of TWY A not AVBL to ACFT ABV 5,700KG WO permission.
- 2. TWY A, B and adjoining section of TWY C AVBL up to code C ACFT.

AERODROME OBSTACLES

Lit masts:

- a. 639FT, 065DEG/4,000M (FM AD ARP).
- b. 433FT, 057DEG/3,200M (FM AD ARP).
- c. 368FT, 265DEG/3,400M (FM AD ARP).

METEOROLOGICAL INFORMATION PROVIDED

- 1. TAF CAT C, METAR/SPECI.
- 2. AWIS Phone 08 6216 2621 - Report faults to BoM.
- 3. AWIS FREQ 135.7 - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

12/30            117    60a    PCN 40 /F /C /1200 (174PSI) /T Grooved            WID 30    RWS 150

AERODROME AND APPROACH LIGHTING

|           |             |                |             |               |
|-----------|-------------|----------------|-------------|---------------|
| RWY 12/30 | LIRL        | AFRU+PAL 127.0 |             | SDBY PWR AVBL |
| RWY 12    | AT-VASIS(1) | AFRU+PAL 127.0 | 3.0 DEG39FT | SDBY PWR AVBL |
| RWY 30    | AT-VASIS(1) | AFRU+PAL 127.0 | 3.0 DEG41FT | SDBY PWR AVBL |

(1) Left side.

RWY edge light spacing: 12/30: 60M.

OTHER LIGHTING

- 1. Secondary PWR switchover time: 15 SEC.
- 2. TWY LGT: Blue edge on TWY A, TWY B, TWY C.
- 3. 1 HR PN required to activate RPT APN lighting CTC ARO.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA            BRISBANE CENTRE            122.4 On Ground

RADIO NAVIGATION AND LANDING AIDS

|     |    |            |           |            |                  |     |
|-----|----|------------|-----------|------------|------------------|-----|
| DME | KU | 116.5/112X | 154631.8S | 1284231.9E |                  | (1) |
| NDB | KU | 221        | 154702.1S | 1284214.3E | Range 30 (HN 30) | (2) |
| VOR | KU | 116.5      | 154631.7S | 1284231.4E |                  |     |

(1) Antenna ELEV 165FT.

(2) 084/0.6 to ARP. Pilot Monitored

LOCAL TRAFFIC REGULATIONS

- 1. 48HR PN to Airport Manager for parking of ACFT ABV 5,700KG MTOW. Visitor PRKG in Bays 1 and 2 of GA PRKG area. HEL visitor PRKG in HEL only marked eastern GA PRKG area.
- 2. ACFT ABV 10,000KG MTOW are required to use Turning Nodes for 180DEG turns.
- 3. ACFT BLW 10,000KG MTOW are requested to use MAX RAD turns to avoid pavement damage.
- 4. Compass Swing Site located on TWY G.
- 5. All ACFT movements restricted to designated RWY, TWY, APN and GA areas only.

## FLIGHT PROCEDURES

1. RWY 30 right hand circuits.
2. For special procedures which apply to the Horizontal Falls, see *ERSA GEN - SPECIAL PROCEDURES*.
3. Bungles scenic flights conform to the following standard operating procedures. Visiting pilots are welcome to contact local chief pilots for a detailed briefing.
  - a. **KUNUNURRA to BUNGLES**
    - (i) Following takeoff maintain 700FT AMSL, turn LEFT off RWY 30, or RIGHT off RWY 12 and track SE to establish E of the Ord River by 5NM YPKU.
    - (ii) At 5NM YPKU climb to not above 2,500FT AMSL and, remaining E of the Ord River, track along the Ord River and Spillway Creek to the Ord Top Dam, then track direct to the NE Tip of the Bungles.
    - (iii) Operate around the Bungles in accordance with the procedures specified in *ERSA GEN - Special Procedures* (Not Associated with an Aerodrome).
  - b. **BUNGLES to KUNUNURRA**
    - (i) At the NW Tip of the Bungles climb to not below 3,500FT AMSL and track direct to the Argyle Diamond Mine.
    - (ii) Caution Jet traffic to A320 size operating at YARG (Argyle Diamond Mine) Select Transponder 1200 mode C for TCAS (YARG and YPKU). Expect Jet OPS to use instrument/straight in approach paths Monitor YARG CTAF 127.3 and/or BN CTR 122.4.
    - (iii) Maintain not below 3,500FT AMSL and track from the mine to Ord Top Dam along the western shoreline of Lake Argyle.
    - (iv) Remaining W of the Ord River track to APKU and join the circuit via crosswind not below 1,200FT AMSL.

See also *ERSA GEN Special Procedures SP4*.

## CTAF - AFRU 127.0

## ADDITIONAL INFORMATION

Birds - high concentration of birds in vicinity of AD FM 1 HR before to 1 1/2 HR after sunrise and FM 1 HR before to 1/2 HR after sunset. Concentration move FM roosting areas 1NM S of AD to feeding areas N of AD along Ord River catchment area.

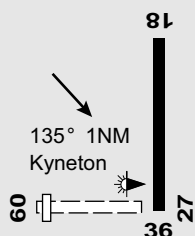
## CHARTS RELATED TO THE AERODROME

1. WAC 3108.
2. Also refer to AIP Departure and Approach Procedures.

## KYNETON (VIC)

**ELEV 1650**

## FULL NOTAM SERVICE NOT AVBL



VIC

371332S

1442649E

UTC +10

VAR 11 DEG E

YKTN

UNCR

AD OPR Kyneton Aero Club Inc, PO Box 117, Kyneton, VIC, 3444.

Email: [president@kynetonaeroclub.org](mailto:president@kynetonaeroclub.org).

Website: [www.kynetonaeroclub.org](http://www.kynetonaeroclub.org).

## REMARKS

1. PPR. Form must be submitted via the website.
2. All ACFT must refer to website for detailed airfield, OPS INFO, access and parking fees.
3. Gyroplane OPS are not permitted.

## HANDLING SERVICES AND FACILITIES

Fuel supplied by IOR Aviation. AVGAS AVBL 24HR. Payment via IOR Aviation tag for account holders or via the Fuelcharge APP.

## PASSENGER FACILITIES

TX/WC

## AERODROME OBSTACLES

Numerous infringement of the OLS exists.

PHYSICAL CHARACTERISTICS

|       |     |                                                                  |        |        |
|-------|-----|------------------------------------------------------------------|--------|--------|
| 09/27 | 21c | Unrated. Grass. RWY LEN 645M.<br>Slope up to W. DTHR RWY 09 46M. | WID 30 |        |
| 18/36 | 23a | Unrated. Sealed. RWY LEN 703M.                                   | WID 10 | RWS 30 |

AERODROME AND APPROACH LIGHTING

RWY 18/36      LIRL(1)      PAL 120.55  
(1)      Airfield lighting AVBL for DEP and ARR only. PAL requires three one-second pulses to activate.

OTHER LIGHTING

TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA                  MELBOURNE CENTRE                  126.8 Circuit Area

LOCAL TRAFFIC REGULATIONS

1. Carriage and use of aviation airband radio is RQ by AD OPR.
2. Visiting ACFT are not to conduct multiple training or practice circuits at any time, visiting aircraft operations at the airfield are limited to singular circuit procedure for ARR or DEP only.
3. No flying training operations of any kind, including circuits, emergency drills and precautionary search runs, are permitted other than those conducted under the direct supervision of the Kyneton Aero Club.
4. RWY 36 is preferred in nil-wind conditions.
5. Possible windshear on short final RWY 18.

FLIGHT PROCEDURES

1. Right hand circuits RQ when OPR RWY 18 and 27.
2. Circuit OPS before first light/after last light prohibited.
3. Minimum circuit height for ARR and DEP of visiting ACFT is 1,000FT AGL (2,650FT QNH).
4. Due to mix of radio equipped and non-radio equipped aircraft and RWY 36 APCH over Kyneton Township no straight-in APCH permitted on RWY 36 at any time, all ARR on RWY 36 to conduct normal circuit procedures.

CTAF 119.0

NOISE ABATEMENT PROCEDURES

1. Subject to operational requirements, pilots are to adopt appropriate power settings for takeoff, circuits and landings to minimise noise levels.
2. Refer to website for detailed airfield and OPS INFO. All ACFT are REQ to make themselves familiar with the Fly Neighbourly Policy and, subject to operational and safety considerations, to comply with preferred circuit patterns.

ADDITIONAL INFORMATION

1. RWY 09/27 becomes unserviceable after heavy rain.
2. Conflict risk exists at intersection of RWY 09 and 27, particularly during take-offs, due to visual obstruction and RWY slopes.

CHARTS RELATED TO THE AERODROME

WAC 3469, 3470.



ADDITIONAL INFORMATION

Animal hazard exists on the AD.

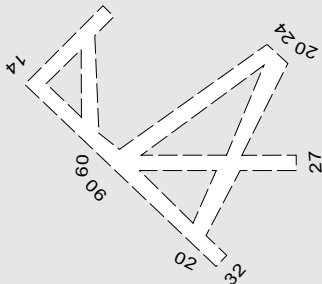
CHARTS RELATED TO THE AERODROME

WAC 3110.

LAKE KEEPIT

ELEV 1150

FULL NOTAM SERVICE NOT AVBL



NSW  
305324S  
AD OPR Lake Keepit Soaring Club, 234 Keepit Dam Rd,  
Keepit, NSW, 2340. Email: [manager@keepitsoaring.com](mailto:manager@keepitsoaring.com).  
PH 02 6769 7514. Website: [www.keepitsoaring.com](http://www.keepitsoaring.com).

UTC +10  
1503136E  
VAR 11 DEG E

YKEP  
UNCR

PASSENGER FACILITIES

Drinkable water/TX 02 6742 0069/AC

ATS AND AERODROME COMMUNICATION FACILITIES

FIA BRISBANE CENTRE 127.1

CTAF 132.25

ADDITIONAL INFORMATION

1. To maintain communications with other ACFT, please call 132.25 - callsign "Keepit Base".
2. Kangaroo hazard exists.
3. Gliding OPS - Winch Launching.

CHARTS RELATED TO THE AERODROME

WAC 3357.

LAKE MACQUARIE AIRPORT

ELEV 5

AVFAX CODE 2090

FULL NOTAM SERVICE NOT AVBL



NSW  
330358S  
AD OPR Lake Macquarie Airport Pty Ltd, PO Box 988, Warners  
Bay, NSW, 2282. Email: [contact@lakemacquarieairport.com.au](mailto:contact@lakemacquarieairport.com.au).  
PH ARO 02 4944 9199 or 0408 449 198.  
Website: [www.lakemacquarieairport.com.au](http://www.lakemacquarieairport.com.au).

UTC +10  
1513853E  
VAR 12 DEG E

YLMQ  
UNCR

REMARKS

1. PPR in writing to ARO.
2. Rescue HEL Service EMERG OPS take precedence. Response time 10MIN.
3. Airfield status subject to change without notice.
4. AD Charges and landing fee apply.

PHYSICAL CHARACTERISTICS

07/25 27c Unrated. Central 11 sealed. WID 18 RWS 90

Length 880M.

Displaced thresholds for landing due to possible obstructions - PPR.

OTHER LIGHTING

Runway lighting not available.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA BRISBANE CENTRE 125.7 On ground

LOCAL TRAFFIC REGULATIONS

Carriage and use of radio is required by AD OPR.

CTAF 132.1

**NOISE ABATEMENT PROCEDURES**

1. Noise sensitive area.
2. All ACFT required to be familiar with YLMQ procedure document on website.
3. Avoid all built up areas.
4. Avoid golf course to east.
5. No flight below 1,000FT AMSL.

**ADDITIONAL INFORMATION**

1. HEL OPS.
2. Frequent EMERG service OPS.
3. Microlight and gyrocopters operate from this AD. Gyrocopters may occupy RWY for longer than normal due to building up rotor speed.
4. PJE occur HJ on airfield from FL150, Pilots advised to monitor CTAF and BN CEN for DZ status.
5. Refer to YLMQ Westpac Rescue Helicopter for Helicopter Emergency Medical Service OPS.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3456.
2. Also refer AIP Departure and Approach Procedures.

**LAKELAND DOWNS****ELEV 781****FULL NOTAM SERVICE NOT AVBL**

QLD

155009S

1445051E

UTC +10

VAR 6 DEG E

YLND

UNCR

AD OPR Cook Shire Council, PO Box 3, Cooktown, QLD, 4895.

Email: cooktownap@cook.qld.gov.au. PH 07 4069 5360. Mobile 0417 628 080.

**ATS AND AERODROME COMMUNICATION FACILITIES**

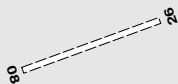
FIA BRISBANE CENTRE 134.65

**FLIGHT PROCEDURES**

Right hand circuits operating on RWY 34 due to wind turbines located to the NW, as close as 2.3NM to a height of 700FT AGL.

**CTAF** 126.7**CHARTS RELATED TO THE AERODROME**

WAC 3112.

**LAKES ENTRANCE****ELEV 220****FULL NOTAM SERVICE NOT AVBL**

VIC

375108S

1475655E

UTC +10

VAR 13 DEG E

YLKE

UNCR

AD OPR Victoria Helicopters Pty Ltd, PO Box 834 Bairnsdale, VIC, 3875.

Email: info@ylke.com.au. PH 0419 567 590. Website: <https://ylke.com.au/>.**REMARKS**

1. PPR FM AD OPR via website.
2. LDG fees apply, refer to website.

**PASSENGER FACILITIES**

WC.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 124.0 Circuit Area

FLIGHT PROCEDURES

- 1. RWY 08 right hand CCTS.
- 2. Pilots are requested to avoid overflying residential buildings west of AD.
- 3. Preferred RWY 08 for TKOF and RWY 26 for LDG.

CTAF 126.7

ADDITIONAL INFORMATION

- 1. Animal hazard exists.
- 2. HEL OPS west end of AD.
- 3. Frequent coastal HEL OPS from Loch Sport to Lake Tyres between 500 and 1,500FT AMSL.
- 4. Caution: standing water or soft movement areas after rain.
- 5. Caution: YGRL (Great Lakes Airfield) ALA 2NM to the east.

CHARTS RELATED TO THE AERODROME

WAC 3470.

LAKESIDE AIRPARK

ELEV 175

FULL NOTAM SERVICE NOT AVBL

QLD  
204106S  
AD OPR Garry Poole, PO Box 3000, Caboolture, QLD, 4510. Email: office@cpd4510.com.  
PH 0418 711 224.

1483730E  
VAR 8 DEG E

UTC +10  
YLAKE  
UNCR

REMARKS

- 1. PPR.
- 2. Daylight OPS only.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA BRISBANE CENTRE 135.5 On Ground

CTAF 126.7

ADDITIONAL INFORMATION

- 1. Phone or email for hazards/map file.
- 2. Feral animals some hours.
- 3. Wet weather shortens NE end.

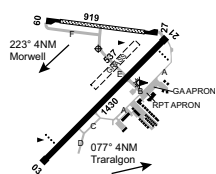
CHARTS RELATED TO THE AERODROME

WAC 3234, 3235.

LATROBE VALLEY

ELEV 180

AVFAX CODE 3050



VIC  
381226S  
AD OPR Latrobe Airport Community Asset Committee, PO Box 264, Morwell, VIC, 3840. PH 03 5128 5777: 0409 436 287. ARO 0408 038 285. Fax 03 5128 5672.

1462813E  
VAR 12 DEG E

UTC +10  
YLTV  
CERT

REMARKS

- 1. PPR for parking non-RPT ACFT ABV 5,700KG on sealed apron.
- 2. Helicopter Ambulance OPS H24.

HANDLING SERVICES AND FACILITIES

Aerofuels - Latrobe Valley Aero Club: manned 2200-0730 UTC; AVBL H24. PH 03 5174 2591, 0408 038 285. AVGAS H24 card swipe bowser, V or MC. JET A1 bowser and tanker, 60 MIN PN, call out fees apply.

IOR Aviation Pty Ltd - JET A1, AVGAS 100LL and AVPULP H24 self-service bowser. Payment via aviation tag for account holders or via the Fuelcharge APP, PH 1300 457 467.



**APRONS AND TAXIWAYS**

1. ACFT ABV 5,700KG may only use central sealed TWY.
2. A 21.4M wingspan limit applies for ACFT using main apron parking position guideline when ACFT are parked on the GA apron parking positions adjoining the main apron. Pilots to exercise caution.
3. GA Apron PRKG not AVBL to ACFT ABV 12M wingspan.

**AERODROME OBSTACLES**

1. Lit TWR 470FT AMSL BRG 256 DEG MAG 4,375M FM ARP.
2. Chimneys:
  - a. 375FT AGL BRG 312 DEG MAG 3,322M FM ARP.
  - b. 374FT AGL BRG 315 DEG MAG 3,256M FM ARP.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT C, METAR/SPECI.
2. AWIS PH 03 8470 3211 - Report faults to BoM.
3. AWIS FREQ 128.2 - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

|       |     |     |                                                                  |        |        |
|-------|-----|-----|------------------------------------------------------------------|--------|--------|
| 03/21 | 033 | 47a | PCN 9 /F /D /990 (144PSI) /T Sealed                              | WID 23 | RWS 90 |
| 09/27 | 085 | 30c | 5700/450 (65PSI) Gravel. 72(236) E end,<br>58(190) W end Sealed. | WID 18 | RWS 90 |

**AERODROME AND APPROACH LIGHTING**

|           |         |           |             |               |
|-----------|---------|-----------|-------------|---------------|
| RWY 03/21 | LIRL(1) | PAL 122.3 |             | SDBY PWR AVBL |
| RWY 03/21 | PAPI(2) | PAL 122.3 | 3.0 DEG32FT |               |

(1) PAL requires three one-second pulses to activate.  
 (2) Left side. PAL requires three one-second pulses to activate.  
 RWY edge light spacing: 03/21: 60M.

**OTHER LIGHTING**

1. Secondary PWR switchover time: 5 SEC.
2. TWY LGT: Blue edge for centre TWY only.

**ATS AND AERODROME COMMUNICATION FACILITIES**

|        |                       |                 |
|--------|-----------------------|-----------------|
| FIA    | MELBOURNE CENTRE      | 124.0 On Ground |
| UNICOM | LATROBE VALLEY UNICOM | 126.0 (1)       |
| (1)    | 2300-0700 UTC DLY.    |                 |

**RADIO NAVIGATION AND LANDING AIDS**

|     |                                                                   |     |           |            |                  |     |
|-----|-------------------------------------------------------------------|-----|-----------|------------|------------------|-----|
| NDB | LTV                                                               | 486 | 381209.1S | 1462832.6E | Range 30 (HN 30) | (1) |
| (1) | Pilot monitored - Range 15NM in segments 120 - 190 and 300 - 010. |     |           |            |                  |     |

**LOCAL TRAFFIC REGULATIONS**

RWY 03/21: due RWY levels ACFT may not be sighted on opposite RWY ends.

**FLIGHT PROCEDURES**

1. Training flights conducting practice instrument approaches should add 1,000FT to all the ALT prescribed in the approach in order to reduce noise nuisance and interference with circuit traffic. Such flights should BCST their intentions including ALT limits of OPS when turning inbound. IMC flights should remain as high as practical when encountering VMC and join the circuit in the standard manner.
2. Night circuits not permitted - 1200-2000 UTC DLY (1HR earlier during HDS).
3. Grass RWY right hand CCTS when TKOF to south west.
4. Pilots are requested to avoid flying over, or in the vicinity of, power stations and other major industrial installations.

**CTAF - AFRU** 126.0

**NOISE ABATEMENT PROCEDURES**

Pilots are advised that the area BTN the AD and the highway to the S is particularly noise sensitive. Overflight should be avoided.

**ADDITIONAL INFORMATION**

1. Bird hazard exists.
2. Animal (kangaroos) hazard exists HN.
3. PJE OPS HJ JF overhead AD, limit midfield joins when PJE OPS in progress.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3470.
2. Also refer to AIP Departure and Approach Procedures.

**LAUNCESTON****ELEV 562****AVFAX CODE 7002**

TAS

413243S

1471251E

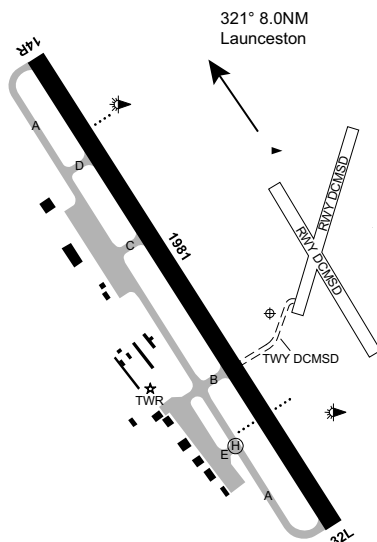
UTC +10

VAR 14 DEG E

YMLT

CERT

AD OPR Australia Pacific Airports (Launceston) Pty Ltd, Trading as Launceston Airport,  
PO Box 1220, Launceston, TAS, 7250. PH 03 6391 6222 H24. Fax 03 6391 8580.

**REMARKS**

1. This AD is a Security Controlled Airport.
2. ACFT PARKING
  - a. Main terminal Apron - Parking and security restrictions apply for non-RPT ACFT. Prior approval obtained FM AD OPR Management/Duty OPS Supervisor, H24.
  - b. Southern freight Apron - Prior approval of AD OPR Management/Duty OPS Supervisor required for parking of ACFT ABV 5,700KG and parking of Itinerant ACFT in excess of 4HR duration or HN. Parking on unsealed area restricted to ACFT BLW 1,500KG MTOW.

**HANDLING SERVICES AND FACILITIES**

MOBIL - Avtas Fuels Pty Ltd: 0130-2130 Local (1HR earlier during HDS, subject to change in line with airline schedules). Phone 03 6391 8341, AH call-out fee applies with 1HR PN. AVGAS (tanker), JET A1 (tanker). ACFT not refuelled on unpaved areas.

AD earthing points not AVBL.

**PASSENGER FACILITIES**

WC/LG/RF/TX/HC/BU.

**RESCUE AND FIREFIGHTING SERVICES****CAT 7:**

- a. 1955-1220 UTC DLY EXC SAT.
- b. 1955-1035 UTC SAT.

*Note: All times 1 hour earlier HDS.*

**APRONS AND TAXIWAYS**

1. GA areas of S apron and apron TWY limited to ACFT WI wingspan less than 22M.
2. TWY B BTN TWY A and S apron not AVBL to ACFT larger than A320/B737-7 types.

**AERODROME OBSTACLES**

1. Light on building 626FT AMSL BRG 296 DEG MAG 1,500M FM ARP infringes transitional SFC by 26FT.
2. Unlit:
  - a. Water tank 576FT AMSL BRG 154 DEG MAG 1,144M FM ARP infringes APCH SFC by 10FT.
  - b. Railway bridge 554FT AMSL BRG 138 DEG MAG 825M FM ARP infringes APCH SFC by 5FT.
  - c. Cocked Hat Hill 738FT AMSL BRG 318 DEG MAG 3,445M FM ARP infringes APCH SFC by 36FT.
  - d. Rod on building 635FT AMSL BRG 295 DEG MAG 1,503M FM ARP infringes transitional SFC by 28FT.
  - e. APN LGT 618FT AMSL BRG 277 DEG MAG 731M FM ARP infringes transitional SFC by 8FT.
  - f. APN LGT 619FT AMSL BRG 265 DEG MAG 577M FM ARP infringes transitional SFC by 12FT.
  - g. Bush 716FT AMSL BRG 316 DEG MAG 3,417M FM ARP infringes APCH SFC by 16FT.
  - h. Glide path aerial 593FT AMSL BRG 141 DEG MAG 441M FM ARP infringes transitional SFC by 9FT.
  - i. Near field monitor 578FT AMSL BRG 305 DEG MAG 1,514M FM ARP infringes APCH SFC by 4FT and TKOF by 2FT.
3. Power poles, unlit:
  - a. 562FT AMSL BRG 153 DEG MAG 1,301M FM ARP infringes APCH SFC by 3FT.
  - b. 584FT AMSL BRG 150 DEG MAG 1,386M FM ARP infringes APCH SFC by 3FT.
4. Trees:
  - a. 627FT AMSL BRG 294 DEG MAG 1,450M FM ARP infringes APCH SFC by 12FT.
  - b. 592FT AMSL BRG 152 DEG MAG 1,328M FM ARP infringes transitional SFC by 9FT.
  - c. 591FT AMSL BRG 160 DEG MAG 910M FM ARP infringes transitional SFC by 33FT.
  - d. 592FT AMSL BRG 152 DEG MAG 1,456M FM ARP infringes transitional SFC by 9FT.
5. Fences, unlit:
  - a. 580FT AMSL BRG 310 DEG MAG 1,535M FM ARP infringes APCH SFC by 4FT.
  - b. 567FT AMSL BRG 311 DEG MAG 1,288M FM ARP infringes transitional SFC by 6FT.
  - c. 568FT AMSL BRG 310 DEG MAG 1,318M FM ARP infringes APCH SFC by 6FT.
  - d. 578FT AMSL BRG 300 DEG MAG 1,503M FM ARP infringes APCH SFC by 6FT.
  - e. 554FT AMSL BRG 157 DEG MAG 898M FM ARP infringes APCH SFC by 5FT.
6. Localiser, lit:
  - a. 582FT AMSL BRG 306 DEG MAG 1,612M FM ARP infringes APCH SFC by 2FT.
  - b. Localiser BLDG 583FT AMSL BRG 302 DEG MAG 1,630M FM ARP infringes APCH SFC by 2FT and TKOF by 1FT.
  - c. Aerial 578FT AMSL BRG 305 DEG MAG 1,517M FM ARP infringes APCH SFC by 4FT.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT A, METAR/SPECI, AD WRNG.
2. AWIS Phone 03 6283 8604 - Report faults to BoM.
3. AWIS FREQ 112.6 AVBL outside TWR HR - Report faults to AD OPR.
4. MET INFO AVBL FM Airservices Pilot Briefing. Elaborative briefing FM MWO 03 6221 2026.

PHYSICAL CHARACTERISTICS

14R/32L 133 65a PCN 42 /F /C /1400 (203PSI) /U Grooved WID 45 RWS 150  
W side VFR and IFR side transition infringed when ACFT parked on main apron.

AERODROME AND APPROACH LIGHTING

|             |               |                |               |
|-------------|---------------|----------------|---------------|
| RWY 14R/32L | HIRL          |                | SDBY PWR AVBL |
| RWY 14R/32L | MIRL          | AFRU+PAL 118.7 | SDBY PWR AVBL |
| RWY 14R     | PAPI(1)       | 3.0 DEG53FT    | SDBY PWR AVBL |
| RWY 32L     | HIAL-CAT I(3) | AFRU+PAL 118.7 | SDBY PWR AVBL |
| RWY 32L     | PAPI(2)       | 3.0 DEG53FT    | SDBY PWR AVBL |

- (1)

Left side.
- (2)

Double sided
- (3)

Six stages of intensity and operates on pre-set intensity during PAL OPS.
1.

**ALS type and length**

a.

RWY 32L - distance coded CL: 912M.

b.

White cross bar lights installed 155M, 309M, 464M, 616M and 745M FM THR. Spaced at 2.7M intervals.

c.

All lights in the RESA before THR are flush inset lights.
2.

RWY edge light spacing: 14R/32L: 58M.
3.

Outside TWR HR, RWY, PAPI and Approach lighting stage two AVBL.
4.

AFRU+PAL 118.7 AVBL outside TWR HR.
5.

Responsible person AVBL on CTAF outside TWR HR. Report PAL faults on CTAF or Phone 03 6391 6208, H24, and Melbourne Centre 123.8.

OTHER LIGHTING

- ABN

ALTN 8 WG
1.

Secondary PWR switchover time: 1 SEC during LVP; 15 SEC other times.
2.

TWY LGT: Green CL.

ATS AND AERODROME COMMUNICATION FACILITIES

|      |                  |     |                      |
|------|------------------|-----|----------------------|
| FIA  | LAUNY CENTRE     | (1) | 123.8 On Ground      |
| FIA  | MELBOURNE CENTRE | (2) | 123.8 On Ground      |
| APP  | LAUNY APPROACH   | (3) | 123.8                |
| ATIS | LAUNY ATIS       |     | 112.6 (4) 134.75 (5) |
| TWR  | LAUNY TOWER      |     | 118.7                |

- (1)

During APP HR
- (2)

Outside APP HR
- (3)

Automatic re-transmit when combined with HOBART APP
- (4)

During TWR and APP HR. Outside TWR and APP HR - AWIS
- (5)

H24 and by Phone 03 6391 6969
1.

TWR and APP HR: 1950-1210 UTC DLY (1HR earlier during HDS).

*Note: TWR and APP HR operates independently and HR may change at short notice, check status of airspace with ATS, Launceston ATIS or NOTAM.*
2.

Phone LT TWR: 03 6391 6992^, LT APP: 03 9235 2012^.
3.

LAUNY TWR provide non-surveillance TWR CTL services within the YMLT Class D CTR, SFC to 1,500FT AMSL.
4.

LAUNY APP provide surveillance APP CTL service within 30NM YMLT in Classes A, C, D and E airspace, SFC - FL245.
5.

Outside TWR and APP HR, Class D and C airspace WI 36NM LT, SFC to 8,500FT AMSL becomes Class G.

**RADIO NAVIGATION AND LANDING AIDS**

|     |     |                     |           |            |     |
|-----|-----|---------------------|-----------|------------|-----|
| DME | ILT | 109.5/ 32X (RWY32L) | 413255.9S | 1471259.3E | (3) |
| GP  | ILT | 332.6 (RWY32L)      | 413256.1S | 1471259.0E |     |
| ILS | ILT | 109.5 (RWY32L)      | 413203.2S | 1471206.0E |     |
| LOC | ILT | 109.5 (RWY32L)      | 413203.2S | 1471206.0E |     |
| DME | LT  | 112.6/ 73X          | 413237.7S | 1471247.0E | (4) |
| NDB | LT  | 242                 | 413339.8S | 1471330.3E | (2) |

Range 75 (HN 60) OW  
150 (OW HN110)

VOR LT 112.6 413237.8S 1471247.7E (1)

(1) CAUTION: VOR 010 radial unreliable outside 30 NM at LSALT.

(2) 322/1.2 to ARP.

(3) Antenna ELEV 560FT.

(4) Antenna ELEV 566FT.

Outside TWR HR LOC, GP, VOR, DME, monitored by Melbourne Centre. All other aids pilot monitored. ILS not protected outside TWR HR.

**LOCAL TRAFFIC REGULATIONS****1. INSTRUMENT APPROACH TRAINING**

- Capacity for instrument APCH training at YMLT is limited and is subject to scheduled operations. Instrument APCH training availability can be found via [www.bookawk.com](http://www.bookawk.com).
- All aircraft planning practice instrument APCH (AVBL during APP HR only) must book a slot online at [www.bookawk.com](http://www.bookawk.com).
- Practice approaches to the non-duty runway may not be available or subject to extensive delays.

**2. CIRCUIT TRAINING**

- Circuit training availability can be found via [www.tas.bookawk.com](http://www.tas.bookawk.com).
- All aircraft planning circuit training should book a slot online at [www.tas.bookawk.com](http://www.tas.bookawk.com).

**3. CTR/A AIRWORK**

All aircraft planning AWK other than circuit training or instrument approach training should coordinate via phone with Launceston Tower prior to operating.

**FLIGHT PROCEDURES****1. ATC TRAFFIC MANAGEMENT SPEED**

ACFT ARR or DEP YMLT (including practice instrument APCH) must not exceed 250KT IAS when BLW 10,000FT AMSL. Advise ATC if a higher speed is operationally required.

**2. OUTSIDE TWR AND APP HR PROCEDURES**

- Melbourne Centre provides ATS in the Launceston Class A, C and E airspace ABV 8,500FT AMSL and Class E ABV 12,500FT AMSL within 30NM LT.
- Melbourne Centre provides Class G services 8,500FT AMSL and BLW within LT CTA steps.
- Departures:
  - Normal CTAF Procedures apply.
  - Include RWY and preferred departure procedure (if IFR) with Taxi report to Melbourne Centre.
- Arrivals:
  - On first contact, advise Melbourne Centre of intended landing RWY and preferred approach (if IFR).

**3. LOW VIS TAKEOFFS**

CASA approved operators, RWY 14R/32L is capable of supporting takeoffs with a RWY VIS of not less than 350M (within ATC hours).

**CTAF - AFRU 118.7**

Outside TWR HR.

**NOISE ABATEMENT PROCEDURES**

Noise Abatement Procedures (NAP) apply. Refer AIP DAP.

ADDITIONAL INFORMATION

- Bird hazard exists:
- a. Flocks of forest ravens prevalent on AD in the spring lambing season.
  - b. Daylight and nocturnal hazard FM Masked Lapwing and Banded Lapwing on AD FM APR to the end of JUL.
  - c. Flocks of common starlings prevalent on and around AD from MAY to the end of OCT.

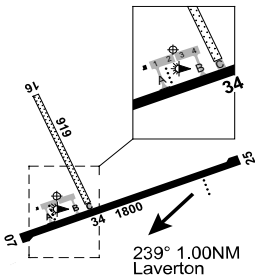
CHARTS RELATED TO THE AERODROME

- 1. WAC 3556.
- 2. Also refer to AIP Departure and Approach Procedures.

LAVERTON

ELEV 1530

AVFAX CODE 6103



WA  
283649S      1222526E  
AD OPR Shire of Laverton, PO Box 42, Laverton, WA, 6440.  
Email: cs@laverton.wa.gov.au. PH 08 9031 1202.  
ARO H24 0476 111 266.

UTC +8  
VAR 1 DEG E  
YLTN  
CERT

REMARKS

- 1. AD Charges: All ACFT.
- 2. This AD is a Security Controlled Airport.
- 3. Inspections are carried out JO, additional inspections are AVBL WI 60MIN PN. Charges may apply.

HANDLING SERVICES AND FACILITIES

JET A1 AVBL 1HR PN. PH ARO 24HR. Charges may apply JF and BTN 1700 and 0700 Local JO.

PASSENGER FACILITIES

PT/WC/Terminal

AERODROME OBSTACLES

Lit mast 180FT AGL, Mt. Crawford, BRG 325DEG MAG 2.5NM FM AD.

METEOROLOGICAL INFORMATION PROVIDED

- 1. METAR/SPECI.
- 2. AWIS PH 08 6216 2622 - Report faults to BoM.
- 3. AWIS FREQ 134.75 - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

|       |     |     |                                            |        |        |
|-------|-----|-----|--------------------------------------------|--------|--------|
| 07/25 | 068 | 59a | PCN 24 /F /A /1000 (145PSI) /T             | WID 30 | RWS 90 |
| 16/34 | 156 | 30c | 5700/735 (107PSI) Unrated. Natural surface | WID 30 | RWS 90 |

AERODROME AND APPROACH LIGHTING

|           |         |           |             |               |
|-----------|---------|-----------|-------------|---------------|
| RWY 07/25 | LIRL    | PAL 121.3 |             | SDBY PWR AVBL |
| RWY 07    | PAPI(1) | PAL 121.3 | 3.0 DEG50FT | SDBY PWR AVBL |
| RWY 25    | PAPI(1) | PAL 121.3 | 3.0 DEG48FT | SDBY PWR AVBL |

(1) Left side.  
RWY edge light spacing: 07/25: 60M.

OTHER LIGHTING

- 1. SDBY PWR manually activated, 60MIN prior notice required. PH ARO 24H.
- 2. TWY A LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA                      MELBOURNE CENTRE                      118.4 3500FT

**LOCAL TRAFFIC REGULATIONS**

1. ACFT to make 180 DEG turns on RWY at MAX RAD, MNM speed.
2. TWY B, Bay 3 and 4 not AVBL for night OPS. Bay 1A not AVBL for night arrivals.
3. PRKG Bay restrictions:
  - a. Bay 1: Refuelling, passenger transfer and EMERG OPS only.
  - b. Bay 2: Taxi out for F100/B463, Bay 1 required to be vacant.
  - c. Bay 1 and 2 unavailable when Bay 1A is occupied.
  - d. Bay 1A unavailable when Bay 1 and/or Bay 2 is occupied.
4. PRKG:
  - a. Bay 1: E120, DH8A, DH8C, SW4, B190.
  - b. Bay 2: E120, DH8A, DH8C, SW4, B190, B463, F100.
  - c. Bay 3 and 4: E120, E190, DH8A-D, B190, B461, B463, F100.
  - d. Bay 1A: E190, F100 - prior approval from ARO required.
  - e. All aircraft parking on the APN for longer than 30MIN are required to park in Bay 2 unless alternate arrangements have been made with the AD MGR.
5. ACFT departing Bay 1A to use idle power after initiating taxi until ACFT is clear of the bay.

**CTAF - AFRU 126.8**

AFRU signal not AVBL on ground Laverton, Murrin Murrin or Sunrise Dam. AFRU located at Leonora.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3352.
2. Also refer to AIP Departure and Approach Procedures.

**LAWLERS****ELEV 1598****FULL NOTAM SERVICE NOT AVBL**


 WA 280523S 1203224E UTC +8 YLAW  
 VAR 1 DEG E UNCR  
 AD OPR Agnew Gold Mining Company Pty Ltd, PMB 10, Leinster, WA,  
 6437. PH ADMIN 08 9088 3822 AD MNGR 08 9088 3844 AH:  
 0447 691 785 Email: peter.nicholls@goldfields.com.au. ARO 08 9088 4463  
 Email: lawmanager@goldfields.com.au. Fax 08 9088 3833.

**REMARKS**

Restricted OPS - PPR from AD OPR.

**HANDLING SERVICES AND FACILITIES**

JET A1 - Private installation. Contact AD Manager.

**AERODROME OBSTACLES**

1. Unlit mast: 1,794FT, 350DEG M/2,025M from ARP.
2. Mast (Lit HN): 1,693FT, 291DEG M/1,939M FM ARP.

**PHYSICAL CHARACTERISTICS**

09/27 66c PCN 22 /F /A /1100 (160PSI) /T Gravel WID 30 RWS 90

**AERODROME AND APPROACH LIGHTING**

RWY 09/27 PTBL(1) BY PRIOR ARRANGEMENT

(1) EMERG only, 60MIN PN ARO.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 118.95 3,500FT

**CTAF - AFRU 126.5**

AFRU signal not AVBL on ground Lawlers.

**CHARTS RELATED TO THE AERODROME**

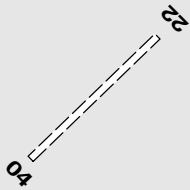
WAC 3345.

**LAWN HILL**

**ELEV 400**

**FULL NOTAM SERVICE NOT AVBL**

QLD UTC +10 YLAH  
183435S 1383505E VAR 5 DEG E UNCR  
AD OPR Lawn Hill Riversleigh Pastoral Holdings Company, PMB 34, Mount  
Isa, QLD, 4825. PH 07 4748 5583.



## REMARKS

1. PPR
2. All TFC visiting Lawn Hill National Park must use Adels Grove airstrip

## ATS AND AERODROME COMMUNICATION FACILITIES

|     |                 |              |
|-----|-----------------|--------------|
| FIA | BRISBANE CENTRE | 125.7 7500FT |
|-----|-----------------|--------------|

**CTAF** 126.7

## ADDITIONAL INFORMATION

Strip adjacent to homestead.

## CHARTS RELATED TO THE AERODROME

WAC 3220.



**LEARMONTH****ELEV 19****AVFAX CODE 6805**

WA

UTC +8

YPLM

221408S

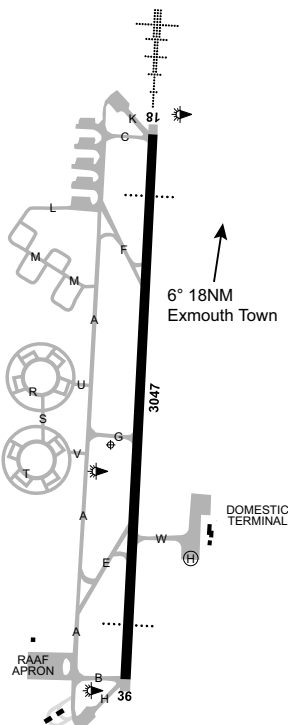
1140519E

VAR 0 DEG E

MIL

AD OPR Department of Defence (Air Force Headquarters), Shire of Exmouth, PO Box 21, Exmouth or Maidstone Crescent, Exmouth, WA, 6707. PH 08 9949 3000: Fax 9949 3050.

ARO Civil AD OPR Duty ARO PH 08 9949 1326, Mobile 0407 494 419, Fax 08 9949 1840, Email: aro@exmouth.wa.gov.au.

**REMARKS**

1. MIL ACFT require 24HR PN JO. Support REQ is to be advised to RAAF Pearce ABCP Phone 08 9571 7888 or Email: pea.abcp@defence.gov.au.
2. MIL International flights are not to plan to enter Australia through Learmonth without prior approval of Customs and AQIS.
3. Civil ACFT require 24HR PN. and a MOV REQ must be submitted to the Shire of Exmouth, Duty ARO. MOV request form is AVBL online:  
[www.exmouth.wa.gov.au/aviation-services/learmonth-airport/pilot-information.aspx](http://www.exmouth.wa.gov.au/aviation-services/learmonth-airport/pilot-information.aspx).
4. Civil Operators nominating Learmonth as an ALTN and INTL ALTN are to gain approval FM Air Force HQ through the ARO via formal request. INTL ALTN: Customs and AQIS PN. Refer General Planning Australia.
5. This AD is a security Controlled Airport.
6. AD Charges: All ACFT.
7. YPLM not to be used on AFTN.
8. Aircrew and Personnel airspace access gate located at the northern end of terminal building. Access code can be obtained by contacting DUTY ARO.
9. Photography is prohibited (*Section 82 of the Defence Act*).

## HANDLING SERVICES AND FACILITIES

RAAF Refueller: MIL movements only. Contact RAAF Learmonth Duty Mobile Phone 0429 450 662. Only F34 AVBL. LOX, nitrogen and lavatory services not AVBL. ACFT crew or SQN maintenance will be required to refuel ACFT as only tanker driver provided.

Civil Refueller: World Fuel Services, PH 08 9949 1590 or MOB 0417 955 167. AVGAS not AVBL. JET A1 - dedicated tanker truck. Normal HR 0700-1600 Local. AH fee applies. PN required.

Replenishment supplies for transiting ACFT. LOX and LHOX not AVBL.

No dedicated de-fuelling capability. MIL operators requiring this service must provide 14 days PN to Pearce ABCP PH: 08 9571 7888.

## APRONS AND TAXIWAYS

1. DOM terminal APN and TWY W - PCN 43/F/A/1750 (254PSI)/U.
2. TWY W WID 23M.
3. GA APN AVBL to code B ACFT only.

## SURFACE MOVEMENT GUIDANCE

HEL OPS restricted to concrete aprons.

## AERODROME OBSTACLES

Various OBST infringing OLS. CTC AD OPR for details.

## METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT A, METAR/SPECI.
2. AWIS Phone 08 6216 2623 - Report faults to BoM.

## PHYSICAL CHARACTERISTICS

18/36            184    100a    PCN 43 /F /A /1750 (254PSI) /T 259M N end    WID 45    RWS 150  
                                                                                                 concrete, 228M S end concrete.

RWY MAX shoulder WID 3.5M.

## AERODROME AND APPROACH LIGHTING

|           |            |                |             |               |
|-----------|------------|----------------|-------------|---------------|
| RWY 18/36 | HIRL(1)    | AFRU+PAL 118.3 |             | SDBY PWR AVBL |
| RWY 18/36 | PAPI(1)    | AFRU+PAL 118.3 | 3.0 DEG50FT |               |
| RWY 18    | HIAL-CAT I |                |             |               |

- (1) PAL status confirmed on FREQ. PAL cycle 30 MIN with last 10 MIN indicated by IWI flashing continuously.

1. **ALS type and length**
  - a. RWY 18 - distance coded CL: 900M.
2. LGT for Civil OPS AVBL on 60MIN PN through reporting agent.
3. RWY 18/36 edge light spacing: 60M.
4. RAAF Learmonth does not maintain an after hours person responsible for lighting availability or activation. Deployed or transiting ACFT can request this via a Combat Support Request (CSR) to 25SQN subject to operational availability. Civilian operators can refer to the Exmouth ARO for further information.

## OTHER LIGHTING

TWY LGT: Green CL.

## ATS AND AERODROME COMMUNICATION FACILITIES

|     |                    |                 |
|-----|--------------------|-----------------|
| FIA | MELBOURNE CENTRE   | 125.9 On Ground |
| APP | LEARMONTH APPROACH | 120.5 261.4     |
| SMC | LEARMONTH GROUND   | 259.3           |
| TWR | LEARMONTH TOWER    | 118.3 257.8     |

APP, TWR and Learmonth airspace activated by NOTAM.

## RADIO NAVIGATION AND LANDING AIDS

- |     |     |            |           |            |                  |     |
|-----|-----|------------|-----------|------------|------------------|-----|
| DME | LM  | 112.4/ 71X | 221405.4S | 1140538.3E |                  | (4) |
| NDB | LM  | 396        | 221429.5S | 1140544.7E | Range 90 (HN 50) | (2) |
| VOR | LM  | 112.4      | 221405.4S | 1140538.9E |                  | (1) |
| TAC | LMO |            | 221328.2S | 1140532.8E |                  | (3) |
- (1) 082/0.3 TO ARP. VOR UNREL in Sector B at 2300FT beyond 21NM. (Sector B inbound 016 degrees clockwise to 195 degrees).
- (2) 318/0.4 to ARP.
- (3) Portable FAC, ACT as REQ by MIL authorities. Channel assignment and ACT by NOTAM.
- (4) Antenna ELEV 34FT. DME UNREL in Sector B at 2300FT beyond 23NM. (Sector B inbound 016 degrees clockwise to 195 degrees).

## LOCAL TRAFFIC REGULATIONS

1. Civil ACFT not permitted to use TWY A BTN TWYs E, F or G. Civil ACFT ABV 100,000KG MTOW not permitted to use RWY for 180 turns, TWY turning loops must be used - TWYs E, A and B, or TWYs F, A and C or TWYs H or K.
2. **CIVIL APRON PARKING RESTRICTIONS**
  - a. RPT apron not AVBL to ACFT ABV code 4C.
  - b. Bays 1, 2 and 3 not AVBL for overnight PRKG without approval.
  - c. Non-RPT ACFT code B and under, park on GA APN, 24HR PN with PPR.
  - d. Helipads H1, H2 and H3 (N-S orientation) AVBL for HEL conducting offshore OPS. Heliport operated by Shire of Exmouth, phone 08 9949 1326 or 0407 494 419.
3. **GENERAL AVIATION REQUIREMENTS**
  - a. Charter GA OPS PPR 24HR PN. ARO or Ground Handling Agent to be present.
  - b. No GA OPS outside the HR of 0800-1600 Local, except Royal Flying Doctor Service (RFDS) FLT or by prior arrangement.
  - c. GA and HEL OPR must be in possession of a current Airside Identification Card (ASIC) as this is a security controlled AD.
  - d. HEL offshore OPS conducted in HJ only except for lifesaving MEDEVAC flights conducted in HN. Overnight PRKG may occur with ARO approval.
  - e. Wake turbulence categories of HEL conducting offshore OPS:
    - (i) Leonardo AW139 – Light.
    - (ii) Leonardo AW189 – Medium.
    - (iii) Sikorsky S-92A – Heavy.
  - f. MIL personnel will not act on behalf of Shire for General Aviation or Charter.
  - g. MIL TWY are restricted.
  - h. MIL hardstands and parking areas are restricted.

## FLIGHT PROCEDURES

1. **HELICOPTER OFFSHORE (AIR TRANSPORT) OPERATIONS**
  - 1.1. For enhanced flight safety within local area and to de-conflict with fixed wing spotter planes and microlight gliders operating over Ningaloo Reef, HEL conducting offshore OPS will:
    - a. Outbound: Fly IFR at A030, track LM DCT LM020026 (east of NW Cape and clear of R122 and R125A/B/C). HEL will then turn NW to descend towards rig/vessel.
    - b. Inbound: Fly IFR at A040 from rig/vessel and track towards LM020026. HEL will then track 200° towards LM.
    - c. Exception applies for in-flight emergency and lifesaving MEDEVAC flight where an expeditious return route via LM340020 for YPLM (clear of R125A/B/C) would be flown.
  - 1.2. For offshore OPS to Scarborough Gas Field beyond local area, HEL will fly at standard IFR altitudes tracking the 340° radial from LM VOR (track variation to the west may apply). Route will remain clear of Exmouth Light Air Strip, R122 and R125A/B/C.
2. **REMOTELY PILOTED AIRCRAFT SYSTEM (RPAS)**

All RPAS requests and enquiries are to be sent to [adf.airspace@defence.gov.au](mailto:adf.airspace@defence.gov.au) with at least 5 business days PN. OPS are subject to MIL OPS and may be restricted or cancelled at any time.
3. Due to sensitive instrumentation associated with a solar observatory position 221309S 1140611E (BRG 042DEG MAG/1.2NM FM Learmonth ARP), ACFT are to avoid low level overflight of that site. Normal circuit height OPS permitted.

**CTAF - AFRU 118.3**

Excerpt when Learmonth CTR and restricted areas are active.

**NOISE ABATEMENT PROCEDURES**

Due to MIL domestic areas position 221431S 1140459E (BRG 210DEG MAG/0.32NM FM Learmonth ARP) ACFT are not to overfly that area.

**ADDITIONAL INFORMATION**

- 1. Animal and increased bird hazard exists. Australian bustards WI RWS. Migratory birds around AD.
- 2. Weather balloon launch APRX 2315 and 1115 UTC FM 1KM E ARP. Launches may occur at other times.
- 3. Erosion WI RWY strip E side of RWY 18/36 N of TWY W.
- 4. Caution: Restraining link situated N side of TWY KILO 10FT square X 3FT deep with 230MM steel ring.

**CHARTS RELATED TO THE AERODROME**

- 1. WAC 3229.
- 2. MIL Aerodrome Obstruction Chart Type A: JAN 2018.
- 3. Also refer to AIP Departure and Approach Procedures.

**LEGUNE STN**

**ELEV 85**

**FULL NOTAM SERVICE NOT AVBL**

NT

UTC +9:30

YLGU

151255S

1292642E

VAR 3 DEG E

UNCR

AD OPR Legune Pastoral Company Partnership, c/o Legune Station, PMB 60, Katherine, NT, 0852.

Email: legunestation@bigpond.com.au. PH 08 9168 7369. Fax 9168 7372.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA

BRISBANE CENTRE

122.4 FL110

**CTAF 126.7**

**CHARTS RELATED TO THE AERODROME**

WAC 3109.

**LEIGH CREEK**

**ELEV 856**

**AVFAX CODE 5102**

SA

UTC +9:30

YLEC

303554S

1382533E

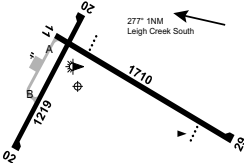
VAR 7 DEG E

CERT

AD OPR Outback Communities Authority, PO Box 3326, Port Augusta, SA, 5700. PH 0499 422 439: 0488 752 175. Fax 08 8648 5971.

**REMARKS**

AD Charges: All ACFT.



**HANDLING SERVICES AND FACILITIES**

Flying Fuels - AVGAS 100 and JET A1. 24HR credit card swipe bowsers. PH 0412 602 447.

**PASSENGER FACILITIES**

AC/RF/WC

**AERODROME OBSTACLES**

Unlit mast, 958FT, 300M SW of RWY 11 THR.

**METEOROLOGICAL INFORMATION PROVIDED**

- 1. TAF CAT D, METAR/SPECI.
- 2. AWIS PH 08 8150 3807 - Report faults to BoM.

**PHYSICAL CHARACTERISTICS**

|       |     |     |                                     |        |        |
|-------|-----|-----|-------------------------------------|--------|--------|
| 02/20 | 023 | 40a | Unrated. Sealed                     | WID 18 | RWS 90 |
| 11/29 | 114 | 56a | PCN 11 /F /A /580 (84PSI) /U Sealed | WID 30 | RWS 90 |

**AERODROME AND APPROACH LIGHTING**

RWY 11/29 LIRL PAL+AA 120.6 SDBY PWR AVBL  
 RWY 11/29 PAPI(1) PAL+AA 120.6 3.0 DEG42FT SDBY PWR AVBL  
 (1) Left side.

RWY edge light spacing: 11/29: 90M.

**OTHER LIGHTING**

ABN FLG 6 W

1. TWY LGT: Blue edge on A.
2. Automatic standby generator AVBL. Switchover time: 45 SEC.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 121.2 On Ground

**RADIO NAVIGATION AND LANDING AIDS**

NDB LEC 287 303555.4S 1382632.1E Range 150 (HN 85) (1)  
 (1) 125/1.6 to ARP.

**FLIGHT PROCEDURES**

1. Right Hand circuits RQ when OPR on RWY 02 and RWY 29.
2. RWY 02/20 - Night TKOF and LDG are not permitted.
3. Night VFR OPS approved under the FLW mandatory conditions:  
 WX COND at the time must meet the night VMC requirements. Circuit ALT must not be less than 2,050FT. OPS under night VFR COND are only permitted on RWY 11/29. Circling and circuits must be kept WI 3NM of either THR. DEP ACFT must FLW the circuit direction and remain WI 3NM until reaching LSALT for the first TR. DEP ACFT must use full length of the RWY - INT DEP are not permitted for night OPS. ARR ACFT must MNTN LSALT until positively established WI 3NM and then descend to not less than 2,050FT until turning base for LDG. This base position must be kept WI 3NM of the THR.
4. RWY 11/29 - IFR CAT ACFT LDG HN are not to descend BLW 1,950FT unless established on PAPI, or on final approach.

CTAF 126.7

**ADDITIONAL INFORMATION**

Animal proof fence installed.

**CHARTS RELATED TO THE AERODROME**

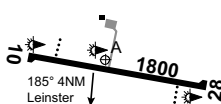
1. WAC 3355.
2. Also refer to AIP Departure and Approach Procedures.

**LEINSTER**

**ELEV 1631**

**AVFAX CODE 6106**

WA UTC +8 YLST  
 275036S 1204212E VAR 1 DEG E CERT  
 AD OPR BHP Nickel West Pty Ltd, LNO, PO Box 22, Leinster, WA, 6437.  
 PH AD MGR 0429 009 941. Email: david.silvello@bhp.com.  
 ARO PH 0460 024 827: 08 9026 5068 (H24).  
 Email: leinsteraerodrome@bhp.com.

**REMARKS**

1. AD Charges: All ACFT.
2. PPR for all OPS. CTC ARO via email.

**HANDLING SERVICES AND FACILITIES**

JET A1 by prior arrangement with BHP Billiton Nickel West. Must have an account, contact AD MGR to set up account. AD not manned H24. Call-out charges apply. Contact ARO (H24) for refuelling.

AERODROME OBSTACLES

1. Lit tower:

a. Frame 1,871FT AMSL BRG 358 MAG 3,085M FM ARP. Infringes inner HZS by 96FT.

b. Stack 1,786FT AMSL BRG 355 MAG 3,154M FM ARP. Infringes inner HZS by 11FT.
2. Unlit site (dump) 1,833FT AMSL BRG 014 MAG 2,717M FM ARP. Infringes inner HZS by 59FT.
3. Unlit terrain:

a. 1,797FT AMSL BRG 330 MAG 4,573M FM ARP. Infringes COS by 9FT.

b. 1,783FT AMSL BRG 336 MAG 3,910M FM ARP. Infringes inner HZS by 8FT.

METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT C, METAR/SPECI.
2. AWIS PH 08 6216 2624 - Report faults to BoM.
3. AWIS FREQ 124.0 - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

10/2809959aPCN 25 /F /A /950 (138PSI) /T Sealed

WID 30RWS 150

AERODROME AND APPROACH LIGHTING

|           |            |              |             |               |
|-----------|------------|--------------|-------------|---------------|
| RWY 10/28 | LIRL(1)    | PAL+AA 119.6 |             | SDBY PWR AVBL |
| RWY 10    | PAPI(2)    | PAL+AA 119.6 | 3.0 DEG44FT | SDBY PWR AVBL |
| RWY 28    | PAPI(2)    | PAL+AA 119.6 | 3.0 DEG43FT | SDBY PWR AVBL |
| (1)       | HN         |              |             |               |
| (2)       | Left side. |              |             |               |

OTHER LIGHTING

1. SDBY PWR switchover time: 8 SEC.
2. TWY LGT: Blue edge.
3. TWY holding point LGT: 2 x yellow.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

MELBOURNE CENTRE

118.95 Circuit Area

RADIO NAVIGATION AND LANDING AIDS

NDBLST230275026.3S1204201.0ERange 70 (HN 70)(1)

(1) Pilot monitored.

LOCAL TRAFFIC REGULATIONS

1. 180 DEG turns on RWY must be at MNM speed and MAX RAD WI the RWY turning nodes.
2. ACFT must be at taxiing speed when turning into and out of TWY/RWY.
3. ACFT ABV 5,700KG must taxi off RWY CL and roll past TWY/RWY intersection until taxiing speed has been achieved.
4. Avoid heavy braking where possible due to wearing SFC.
5. ACFT must follow lead in lines:

a. DH8D/E190/F100 - Use lead in/out line A.

b. B190/DH8C/F70/PC24/SW4 - Use lead in/out line B.
6. Bay 1 to only be used for re-fueling/all HN OPS.

FLIGHT PROCEDURES

Right hand circuits required RWY 10.

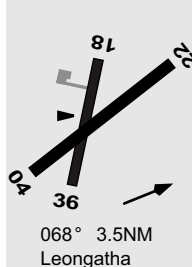
CTAF - AFRU 126.5

ADDITIONAL INFORMATION

1. Blasting occurs at Harmony Pit (BRG 350 DEG MAG 4.09NM FM ARP) and Camelot Pit (BRG 343 DEG MAG 9.56NM FM ARP). Pilots are requested to avoid overflying these mining sites.
2. Increased bird activity post rainfall events (typically between January and June). NOTAM will be issued during periods of increased wildlife.

CHARTS RELATED TO THE AERODROME

1. WAC 3345.
2. Also refer to AIP Departure and Approach Procedures.

**LEONGATHA****ELEV 263**

VIC

382944S

1455135E

AD OPR Leongatha Aerodrome Users Pty Ltd, PO Box 310, Leongatha, VIC, 3953. PH 03 5664 3288: 0408 515 475.

**FULL NOTAM SERVICE NOT AVBL**

UTC +10

YLEG

VAR 12 DEG E

UNCR

**REMARKS**

1. AD Charges: \$10/engine.
2. PPR for visiting ACFT

**HANDLING SERVICES AND FACILITIES**

Fuel supplied by IOR Aviation Pty Ltd. JET A1 and AVGAS AVBL H24 self-serve bowsers. Payment method via IOR Aviation tag for account holders or via the Fuelcharge APP. PH 1300 457 467.

**PASSENGER FACILITIES**

WC

**PHYSICAL CHARACTERISTICS**

|       |     |     |                          |               |        |        |
|-------|-----|-----|--------------------------|---------------|--------|--------|
| 04/22 | 034 | 30a | 5700/450 (65PSI) Sealed. | RWY LEN 924M. | WID 18 | RWS 90 |
| 18/36 | 176 | 22a | 5700/450 (65PSI) Sealed. | RWY LEN 669M. | WID 18 | RWS 90 |

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA

MELBOURNE CENTRE

123.35 Circuit Area

**FLIGHT PROCEDURES**

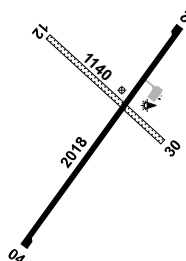
1. Right hand circuits RQ when OPR on RWY 04 and RWY 36.
2. OPS to N of AD to be by day and VMC only.

**CTAF** 127.55**ADDITIONAL INFORMATION**

1. Gliding OPS HJ. Gliders OPR WI RWS. Wire launching.
2. Intensive low level agricultural training within 5NM RAD.

**CHARTS RELATED TO THE AERODROME**

WAC 3470.

**LEONORA****ELEV 1217****AVFAX CODE 6102**

WA

285241S

1211853E

UTC +8

YLEO

VAR 1 DEG E

CERT

AD OPR Shire of Leonora, PO Box 56, Leonora, WA, 6438.

PH 08 9037 6044. Mobile 0428 376 154: 0427 763 395: 0457 376 454.

Fax 08 9037 6295.

**REMARKS**

1. AD Charges all ACFT above 5,700KG.
2. This AD is a Security Controlled Airport.

**HANDLING SERVICES AND FACILITIES**

AIR BP: H24 JET A1 Card bowser. AVGAS AVBL. PN. PH 08 9037 6044, 0428 376 154 or 0427 763 395. Cash, EFTPOS or credit card.

**AERODROME OBSTACLES**

1. Lit Silo 1,036M Bearing 059 DEG MAG FM ARP. Height 1,353FT.
2. Unlit mast 1,321M Bearing 113 DEG MAG FM ARP. Height 1,336FT.
3. Unlit Hill 4,000M Bearing 144 DEG MAG FM ARP. Height 1,464FT.
4. RWY 04/22 transitional SFC may be infringed by ACFT parked on APN.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT C, METAR/SPECI.
2. AWIS PH 08 6216 2625 - Report faults to BoM.
3. AWIS FREQ 124.75 (requires one-second pulse to activate) - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

|       |     |     |                                       |        |         |
|-------|-----|-----|---------------------------------------|--------|---------|
| 04/22 | 036 | 66a | PCN 24 /F /A /1000 (145PSI) /T Sealed | WID 30 | RWS 150 |
| 12/30 | 132 | 37c | 5700/735 (107PSI) Gravel              | WID 30 | RWS 90  |

AERODROME AND APPROACH LIGHTING

|           |         |                |               |               |
|-----------|---------|----------------|---------------|---------------|
| RWY 04/22 | LIRL    | AFRU+PAL 126.8 |               | SDBY PWR AVBL |
| RWY 04    | PAPI(1) | AFRU+PAL 126.8 | 3.0 DEG45.4FT | SDBY PWR AVBL |
| RWY 22    | PAPI(1) | AFRU+PAL 126.8 | 3.0 DEG45.7FT | SDBY PWR AVBL |

(1) Left side.  
RWY edge light spacing: 04/22: 60M.

OTHER LIGHTING

- Secondary PWR switchover time: 30 SEC.
- TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA MELBOURNE CENTRE 118.4 On Ground

RADIO NAVIGATION AND LANDING AIDS

NDB LEO 377 285243.9S 1211913.0E Range 80 (HN 70)

LOCAL TRAFFIC REGULATIONS

- All ACFT - Turns on RWY or at turning nodes must be MNM speed MAX RAD.
- ACFT ABV 5,700KG must use full length and turning nodes.
- Parking on Bay 1 and 2 AVBL to all ACFT H24.

CTAF - AFRU 126.8

AFRU signal not AVBL on ground Laverton, Murrin Murrin or Sunrise Dam. AFRU located at Leonora.

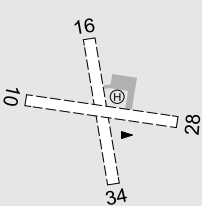
CHARTS RELATED TO THE AERODROME

- WAC 3352.
- Also refer to AIP Departure and Approach Procedures.

LETHBRIDGE AIRPORT

ELEV 790

FULL NOTAM SERVICE NOT AVBL



VIC  
375508S 1440604E UTC +10 YLED  
AD OPR G & T Baum, 3429 Midland Highway, Lethbridge, VIC, 3332. UNCR  
PH 0456 688 468. Website: [www.lethbridgeairport.com.au](http://www.lethbridgeairport.com.au).

REMARKS

- PPR FM AD OPR.
- Landing and parking fees apply for all ACFT. See website.

HANDLING SERVICES AND FACILITIES

AVGAS, MOGAS, JET A1. Credit Cards Swipe Bowsers only. CTC AD OPR.

PASSENGER FACILITIES

WC/Refreshments

PHYSICAL CHARACTERISTICS

|       |     |                                        |        |        |
|-------|-----|----------------------------------------|--------|--------|
| 10/28 | 39a | 5700/ Unrated. Sealed. RWY LEN 1,200M. | WID 18 | RWS 60 |
| 16/34 | 33c | 5700/ Unrated. Grass. RWY LEN 1,000M.  | WID 18 | RWS 60 |

Unusable in wet conditions. Slope level.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA MELBOURNE CENTRE 126.8

LOCAL TRAFFIC REGULATIONS

- No intersection DEP allowed - use full RWY length.
- In nil wind conditions preferred RWY 28.

FLIGHT PROCEDURES

Circuit HGT is 1,000FT AGL. No 500FT circuit AVBL.



**CTAF 127.65****NOISE ABATEMENT PROCEDURES**

1. Avoid flights over houses within 1KM of airfield.
2. Avoid overflying Lethbridge township at less than 2,500FT AMSL.
3. To assist with noise minimisation, pilots are encouraged to climb to altitude as quickly as possible after take-off and if possible operate at a reduced engine rotations per minute within the circuit area.
4. Fly friendly policy in effect - refer website for more information.

**ADDITIONAL INFORMATION**

Animal hazard may exist.

**CHARTS RELATED TO THE AERODROME**

WAC 3469, 3470.

**LIGHTNING RIDGE****ELEV 540****AVFAX CODE 2220**

NSW

292724S

1475904E

UTC +10

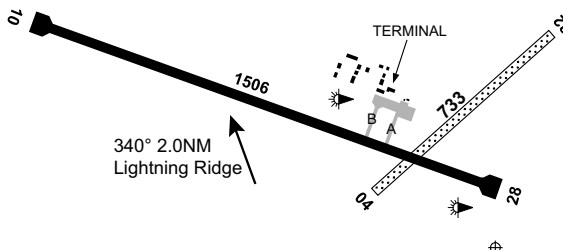
VAR 10 DEG E

YLRD

CERT

AD OPR Walgett Shire Council, PO Box 31, Walgett, NSW, 2832. PH 02 6828 1399.

Mobile AH 0417 691 740. Fax 02 6828 1608.

**HANDLING SERVICES AND FACILITIES**

Skyfuel: JET A1. 24H self serve pump operated by Skyfuel Card, Visa, MC. PH: 0418 862 100.

**PHYSICAL CHARACTERISTICS**

04/22 037 24c 5700/650 (94PSI) Brown gravel.

WID 30 RWS 90

10/28 099 49a 5700/650 (94PSI) Sealed.

WID 18 RWS 90

**AERODROME AND APPROACH LIGHTING**

RWY 04/22 PTBL

BY PRIOR ARRANGEMENT

RWY 10/28 LIRL PAL+AA 121.3

RWY 10/28 PTBL

BY PRIOR ARRANGEMENT

RWY edge light spacing: 10/28: 60M.

**OTHER LIGHTING**

TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

127.1 3000FT

**CTAF 126.7****ADDITIONAL INFORMATION**

1. Mining claim posts 0.5NM from THR 22.
2. Caution: animal and bird life may be present.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3356.
2. Also refer AIP Departure and Approach Procedures.

**LILYDALE****ELEV 242****FULL NOTAM SERVICE NOT AVBL**81  
---  
36

VIC  
374131S 1452159E UTC +10 YLIL  
VAR 12 DEG E UNCR  
AD OPR Lilydale Airfield Pty Ltd, PO Box 525, Lilydale, VIC, 3140. PH 03 9739 1211:  
EMERG only 0418 324 010. Fax 9739 1019.

**REMARKS**

PPR from AD OPR

**HANDLING SERVICES AND FACILITIES**

Lilydale Flying School: 2300-0700 UTC. AVGAS, O117, O125. MC, V.

**PHYSICAL CHARACTERISTICS**

18/36 177

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 135.7 Circuit area

**LOCAL TRAFFIC REGULATIONS**

RWY 18 TKOF maintain RWY HDG until Power Transmission Lines.

**FLIGHT PROCEDURES**

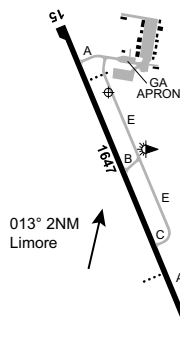
1. Daylight Operations all circuits to the WEST.
2. Night Operations all circuits to the EAST.

**CTAF - AFRU 119.1****ADDITIONAL INFORMATION**

1. Coldstream AD APRX 3NM to SE.
2. Hills to W of ALA.
3. PJE OPS take place at ALA. Drop zone to the immediate E of RWYs. Contact AD OPR for additional information. No midfield crosswind joins.

**CHARTS RELATED TO THE AERODROME**

WAC 3470.

**LISMORE****ELEV 35****AVFAX CODE 2087**

NSW  
284936S 1531527E UTC +10 YLIS  
VAR 11 DEG E CERT  
AD OPR Lismore City Council, PO Box 23A, Lismore, NSW, 2480.  
Email: council@lismore.nsw.gov.au. PH H24 02 6625 0500 or  
0409 078 338. Website: www.lismore.nsw.gov.au.

**REMARKS**

1. AD Charges. Landing, Touch and Go, Stop and Go and parking fees apply to all non RPT ACFT. Refer to website.
2. This AD is a Security Controlled Airport.
3. Terminal closed outside of RPT movements.

**HANDLING SERVICES AND FACILITIES**

BP - Air BP Lismore (John Habib): 2200-0700 UTC DLY, BH 1HR PN, AH PN. Phone 02 6621 6940 or 0412 666 902. AH call-out fee applies. AVGAS, H24 Cardswipe AVGAS bowser - Air BP card only. World Fuel Services and Lismore JET A1 airport and off-airport JET A1 refuelling and deliveries in the Northern Rivers Region AVBL with 1HR PN. H24 World Fuel Services AVGAS bowser WFS carnet card and CC (via smart-phone app) PH 0422 441 277.

**PASSENGER FACILITIES**

PT/TX (131 008)/HC/AC/LG/RF/WC (H24)/ME.

Note: PT/TX/HC/AC/LG and RF AVBL at terminal at Southern end, WC and ME at N end.

## APRONS AND TAXIWAYS

1. Unsealed pavement not AVBL to ACFT ABV 3,500KG MTOW.
2. Northern TWY and APN not AVBL to ACFT above 5,700KG.
3. RPT APN Parking Restriction: If Bay 2A is occupied, Bays 1 and 2 N/A. If Bays 1 or 2 occupied, Bay 2A N/A.

## AERODROME OBSTACLES

Power pole 60FT AGL PSN 285018S 1531542E APRX BRG 215 MAG 1,048M FM ARP.  
Infringes TNS by 9.5FT.

## METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT C, METAR/SPECI.
2. AWIS Phone 02 9353 6431 - Report faults to BoM.
3. AWIS FREQ 128.05 - Report faults to AD OPR.

## PHYSICAL CHARACTERISTICS

15/33 146 54a PCN 15 /F /C /1200 (174PSI) /T WID 30 RWS 150

1. Horizontal SFC significantly infringed; caution night circling.
2. Side transitions infringed.

## AERODROME AND APPROACH LIGHTING

|           |         |                 |             |               |
|-----------|---------|-----------------|-------------|---------------|
| RWY 15/33 | LIRL    | AFRU+PAL 132.45 |             | SDBY PWR AVBL |
| RWY 15/33 | PAPI(1) | AFRU+PAL 132.45 | 3.0 DEG42FT | SDBY PWR AVBL |
| RWY 15/33 | RTIL    | AFRU+PAL 132.45 |             | SDBY PWR AVBL |

(1) Left side.

1. RWY edge light spacing: 15/33: 58M.
2. PAL only operates PAPI and RTIL HJ.

## OTHER LIGHTING

1. TWY LGT: Blue edge.
2. 1 MIOL, 15 LIOL
3. Secondary PWR switchover time: 15 SEC.

## ATS AND AERODROME COMMUNICATION FACILITIES

FIA BRISBANE CENTRE 120.3 On Ground

## LOCAL TRAFFIC REGULATIONS

1. Non RPT ACFT require prior permission to use the RPT Apron.
2. All ACFT movements restricted to designated RWY, TWY and APN only.

## FLIGHT PROCEDURES

During Ballina (YBNA) SFIS hours of operation only, all IFR aircraft commencing a published YLIS RWY 33 instrument approach transiting the YBNA MBA via an initial waypoint from outside the MBA, will not be required to broadcast on the YBNA MBA frequency. Those IFR aircraft will broadcast on the YLIS CTAF and receive traffic information from ATS on the area frequency.

**CTAF - AFRU 132.45**

## NOISE ABATEMENT PROCEDURES

1. A farm located approximately 900M FM the DEP end of RWY 15 and slightly left of the extended centreline is a noise-sensitive area. Pilots should avoid turning over this location and, if possible, maintain RWY HDG until clear.
2. Fly neighbourly guidance in effect, document AVBL FM website.

## ADDITIONAL INFORMATION

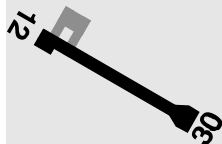
1. Bird, flying fox (bat) and kangaroo hazard at AD.
2. Model ACFT OPR WI 500M RAD of PSN 285030.00S 1531742.00E BRG 103 MAG 2.2NM FM ARP SFC to 1,000FT AGL.

## CHARTS RELATED TO THE AERODROME

1. WAC 3357.
2. Also refer to AIP Departure and Approach Procedures.

**LIZARD ISLAND****ELEV 70****FULL NOTAM SERVICE NOT AVBL**

QLD 144022S 1452715E UTC +10 YLZI  
 VAR 6 DEG E UNCR  
 AD OPR Lizard Island Resort Pty Ltd, PO Box 40, Cairns, QLD, 4870.  
 Email: lizrreception@delawarenorth.com. PH 07 4043 1999.  
 ARO 4043 1970. Fax 4060 3991.

**REMARKS**

1. Landing and parking fees apply to charter ACFT except those carrying resort guests.
2. Restricted OPS: PPR FM AD OPR.

**AERODROME OBSTACLES**

1. RWY 12/30 transitional SFC infringed by trees on both side of the RWY.
2. CAUTION: Inner HZS infringed by hills to the N of AD. OBST lights not provided.

**PHYSICAL CHARACTERISTICS**

12/30 30 Unrated. Sealed WID 15 RWS 60  
 RWY 12/30 SOT commences at RWS end.

**AERODROME AND APPROACH LIGHTING**

RWY 12/30 PTBL(1) BY PRIOR ARRANGEMENT  
 (1) EMERG only.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 134.65 3500FT

**FLIGHT PROCEDURES**

Right hand circuits REQ when OPR RWY 12.

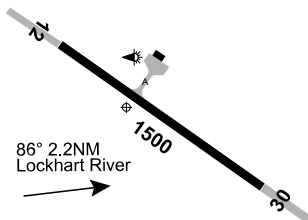
**CTAF** 126.7

**CHARTS RELATED TO THE AERODROME**

WAC 3112.

**LOCKHART RIVER****ELEV 77****AVFAX CODE 4505**

QLD 124713S 1431817E UTC +10 YLHR  
 VAR 5 DEG E CERT  
 AD OPR Lockhart River Aerodrome Company Pty Ltd, C/O Post Office, Lockhart River, QLD, 4892.  
 Email: administration@lhrac.com.au. PH 07 4060 7121. ARO 0427 574 333 (H24).  
 Fax 07 4060 7103.

**REMARKS**

1. AD Charges: BLW 2,000KG - \$55.00 MNM, ABV 2,000KG additional \$30.00/1,000KG.
2. AD is locked AH and weekends. Prior notice to ARO required for access.
3. Alcohol is restricted in Lockhart River Shire. Heavy penalties apply. Special provisions apply for alcohol being transported on consignment, and restrictions may vary from time to time. For latest information call 1300 789 000 and/or visit:  
<https://www.datsip.qld.gov.au/programs-initiatives/community-alcohol-limits>

**HANDLING SERVICES AND FACILITIES**

0700-1700 Local MON-FRI, AH PH H24 PN - call-out fee with H24 PN - \$65 (+ GST), call-out fee without H24 PN \$90 (+ GST). PH ARO, Fax ARO.

JET A1 and AVGAS 100 AVBL (bulk facilities). JET A1 Pressure Refueling AVBL.

**PASSENGER FACILITIES**

PT (in community)/WC. Telstra mobile coverage AVBL.

**AERODROME OBSTACLES**

Lit Telstra TWR 556FT AMSL, 87 DEG MAG 2.7NM FM ARP. Infringes COS by 233FT.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT D, METAR/SPECI.
2. AWIS PH 07 3564 3722 - Report faults to BoM.
3. AWIS FREQ 133.30 - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

12/30 120 49a PCN 9 /F /C /850 (123PSI) /T

WID 30 RWS 90

**AERODROME AND APPROACH LIGHTING**

RWY 12/30 LIRL AFRU+PAL 126.7

SDBY PWR AVBL

RWY edge light spacing: 12/30: 60M.

**OTHER LIGHTING**

1. SDBY PWR switchover time: 30 SEC.
2. TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 122.1 4500FT

**RADIO NAVIGATION AND LANDING AIDS**

NDB LHR 392 124718.9S 1431813.5E Range 30 (HN 30) OW 40 (1)  
(OW HN40)

(1) FLUC of plus or minus 30DEG can be expected at 8NM in sector 300 MAG to 325 MAG.

**LOCAL TRAFFIC REGULATIONS**

Mid RWY turns not AVBL for ARR or DEP ACFT, turns must be made at THR nodes only. Roll through required EXC for TWY entry or exits.

**CTAF - AFRU 126.7**

**ADDITIONAL INFORMATION**

Bird activity in vicinity of AD.

**CHARTS RELATED TO THE AERODROME**

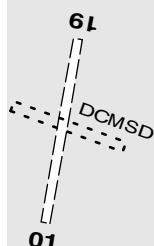
1. WAC 3112.
2. Also refer to AIP Departures and Approach Procedures.

**LOCKSLEY FIELD**

**ELEV 540**

**FULL NOTAM SERVICE NOT AVBL**

VIC 364854S 1452054E UTC +10 YLCS  
AD OPR Secure Air Flight Training Pty Ltd, PO Box 6943, Shepparton, VIC, 3632. UNCR  
PH 03 5798 5512.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 122.4 Circuit Area

**CTAF 121.1**

ADDITIONAL INFORMATION

Locksley is in close proximity Mangalore aerodrome. All launch vehicles and ACFT must communicate on CTAF.

CHARTS RELATED TO THE AERODROME

WAC 3469, 3470.

LONGDOWN

ELEV 521

FULL NOTAM SERVICE NOT AVBL

YLGD

UNCN

UTC +10

VAR 14 DEG E

TAS

414128S

1470836E

AD OPR Panshanger Estate, PO Box 269, Longford, TAS, 7301.

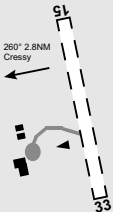
Email: geomills@bigpond.com. PH 03 6397 6500 (H24). Mobile 0427 976 500.

REMARKS

CTC AD OPR (MOB) prior to landing to confirm conditions.

HANDLING SERVICES AND FACILITIES

Nil fuel AVBL, except by special arrangement.



PASSENGER FACILITIES

WC and water AVBL. Vehicle access by arrangement only.

AERODROME OBSTACLES

Unlit mast 358 DEG 1.2NM FM AD. 130FT AGL.

PHYSICAL CHARACTERISTICS

15/33

34c

Unrated. Grass. RWY LEN 1,050M.

WID 45

RWS 50

Slope level with slight depressions each end.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA LAUNY CENTRE (2) 123.8

UNICOM LONGDOWN UNICOM 126.7 (1)

(1) CS "Longdown UNICOM" when AVBL.

(2) Outside LT TWR and APP HR ML CENTRE.

LOCAL TRAFFIC REGULATIONS

1. PRKG in front of residence unless directed otherwise.
2. Remain on centre of TWY and RWY if wet.

CTAF 126.7

FLIGHT PROCEDURES

Right hand CCTS on RWY 33.

ADDITIONAL INFORMATION

1. AD in close proximity to YMLT CTR, check CTR boundary.
2. Caution: Turbulence FM trees at N and S RWY ends.
3. Bird, machinery and livestock hazards exist.

CHARTS RELATED TO THE AERODROME

WAC 3556.

LONGFORD HELIPORT

ELEV 171

AVFAX CODE 3049

FULL NOTAM SERVICE NOT AVBL

VIC

UTC +10

YUOF

381311S

1471008E

VAR 13 DEG E

UNCR

AD OPR ESSO Australia Pty Ltd., Garretts Road, Longford, VIC, 3851. PH 03 5143 4200.

- REMARKS
1.

ESSO Helicopter Operations only permitted at Longford Heliport and associated off-shore facilities.
2.

The Longford HLS and off-shore facilities are part of the Bass Strait Maritime Security Zone.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

MELBOURNE CENTRE

124.0 Circuit Area

UNICOM

LONGFORD HELIPORT UNICOM

129.75 (1)

(1)

CS "Longford".

- FLIGHT PROCEDURES
1.

Nil overflight of:

a.

Longford Gas Plant - South of Runway and Apron complex.

b.

Alinta Gas - 3NM N of heliport.
2.

Transiting Aircraft

VFR traffic transiting the vicinity or along East Sale VFR Route 3 may contact Longford Operations, Callsign "Longford" on Bass Strait Broadcast Area Frequency 129.75 for update on company traffic.

CTAF - AFRU 118.3

CTAF procedures apply outside R360 HR of ACT.

AFRU located at East Sale, response may not be heard on ground at Longford.

- ADDITIONAL INFORMATION
1.

Caution:

Frequent HEL movements across the coast en route BTN Longford and oil rigs: CTAF 129.75.
2.

Associated ESSO off-shore facilities:

|            |      |         |          |               |      |         |          |
|------------|------|---------|----------|---------------|------|---------|----------|
| Barracouta | YUTA | 381748S | 1474034E | Cobia         | YUBX | 382659S | 1481833E |
| Whiting    | YUWH | 381424S | 1475226E | Mackerel      | YUKL | 382846S | 1482034E |
| Snapper    | YUSN | 381139S | 1480132E | Kingfish B    | YUFB | 383550S | 1481117E |
| Marlin     | YUPX | 381350S | 1481315E | Kingfish A    | YUFA | 383548S | 1480841E |
| Tuna       | YUNA | 381012S | 1482510E | West Kingfish | YUFW | 383536S | 1480620E |
| West Tuna  | YUNW | 381133S | 1482319E | Bream B       | YURB | 383102S | 1475020E |
| Flounder   | YULX | 381841S | 1482622E | Bream A       | YUMA | 383000S | 1474620E |
| Halibut    | YUAL | 382416S | 1481913E | Dolphin       | YUPA | 382914S | 1472239E |
| Fortescue  | YUSU | 382427S | 1481641E | Perch         | YUPE | 383409S | 1471921E |

- CHARTS RELATED TO THE AERODROME
1.

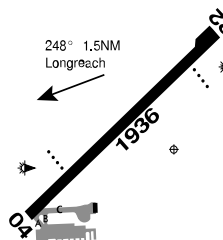
WAC 3470.
2.

Also refer to AIP Departure and Approach Procedures.

# LONGREACH AVFAX CODE 4103

**ELEV 627**

QLD 232603S 1441649E UTC +10 YLRE  
 AD OPR Longreach Airport Pty Ltd, PO Box 503, Longreach, QLD, 4730. CERT  
 Email: info@lreairport.com.au. PH Airport Manager 0428 780 246.  
 ARO 0419 414 895. Website: www.longreachairport.com.au.



## REMARKS

- AD Charges: All ACFT.
- This AD is a Security Controlled Airport. All pilots and operators required to possess and display a current Aviation Security Identification Card (ASIC) when airside, including all GA areas. Passengers are to be escorted at all times.
- RPT apron is a security restricted area. Access for non-RPT OPS by permission from AD OPR only.

## HANDLING SERVICES AND FACILITIES

AIR BP - Tim Rayner: 2130-0600 UTC MON-FRI, AH PN (call-out fee may apply).  
 Phone: Office 07 4658 1520 or 0417 624 422. BP Cardswipe AVGAS bowser - Air BP card only.  
 Payment can be made with cash, cheque or credit card by PRIOR arrangement with agent.  
 AVGAS and JET A1.

## General

The OPR does not provide ACFT marshalling services. All requests for ACFT marshalling should be directed to the airlines or a FBO (if applicable).

## PASSENGER FACILITIES

TX/HC/LG/WC/AC/RF

## APRONS AND TAXIWAYS

- TWY A PCN 24/F/C/1200 (174 PSI). MAX 29M wingspan.
- TWY B PCN 10/F/C/850 (123 PSI). MAX 29M wingspan and 10,000KG.
- TWY C PCN 24/F/C/1200 (174 PSI). MAX 36M wingspan.
- GA APN MAX 15M wingspan and 5,700KG.

## AERODROME OBSTACLES

Multiple LIOL - Radio masts 1,306FT AMSL at 232321.42S 1441324.05E, painted and lit.

## METEOROLOGICAL INFORMATION PROVIDED

- TAF CAT C, METAR/SPECI.
- AWIS Phone 07 3564 3723 - Report faults to BoM.

## PHYSICAL CHARACTERISTICS

04/22 039 64a PCN 24 /F /C /1200 (174PSI) /T Asphalt WID 30 RWS 150

## AERODROME AND APPROACH LIGHTING

RWY 04/22 LIRL AFRU+PAL 126.7 SDBY PWR AVBL  
 RWY 04/22 PAPI(1) AFRU+PAL 126.7 3.0 DEG46FT SDBY PWR AVBL  
 RWY 04/22 PTBL(2) BY PRIOR ARRANGEMENT

(1) Left side - PAPI PAL HJ only.

(2) EMERG only. 90MIN PN.

RWY edge light spacing: 60M.

## OTHER LIGHTING

ABN FLG 8 W

- TWY LGT: Blue edge on A and C.
- SDBY PWR switchover time: 10SEC.

## ATS AND AERODROME COMMUNICATION FACILITIES

FIA BRISBANE CENTRE 122.1 On Ground

## RADIO NAVIGATION AND LANDING AIDS

NDB LRE 353 232542.3S 1441720.9E Range 120 (HN 85) (1)  
 (1) Pilot monitored



## LOCAL TRAFFIC REGULATIONS

Helicopters with skid landing gear not permitted on the RPT apron.

**CTAF - AFRU 126.7**

## ADDITIONAL INFORMATION

Bird hazard exists.

## CHARTS RELATED TO THE AERODROME

1. WAC 3234.
2. Also refer to AIP Departure and Approach Procedures.

## LORD HOWE ISLAND

**ELEV 17**

**AVFAX CODE 2401**



## REMARKS

1. PPR for all GA flights. MNM 24HR PN to AD OPR. Refer to website for details.
2. ACFT are subject to biosecurity inspections on arrival.
3. AD Charges: all ACFT (Defence and Aeromedical flights exempt). Refer to website for schedule of charges.
4. Individual pavement concessions must be submitted for all C130 OPS. PPR.
5. This AD is a Security Controlled Airport.
6. For Australian Border Force, Phone 02 6563 2481.
7. Operating Hours: HJ.

## HANDLING SERVICES AND FACILITIES

Aero Refuellers: Lord Howe Island Fuels 2100-0700 UTC, 2HR PN Required. AH call-out fee will apply. Phone 02 6563 2135, 02 6563 2214. JET A1. Credit Cards (AMEX, VISA and MC). AVGAS AVBL FM Lord Howe Island Fuels.

## APRONS AND TAXIWAYS

1. TWY A - Code C, WID 15M, sealed.
2. RPT APN - high strength concrete pavers.
3. GA APN - grass.

## AERODROME OBSTACLES

1. Unlit NDB towers LOC at 313143.8S 1590422.8E is APRX 192FT AMSL at BRG 325 DEG MAG 0.6NM FM ARP. Infringes inner HZS.
2. SRY WDI LOC at 313216.8S 1590424.0E is APRX 41FT AMSL at BRG 260.3 DEG MAG 372M FM ARP. Infringes the TNS by APRX 9FT.
3. Anemometer LOC at 313216.2S 1590423.4E is APRX 51FT AMSL at BRG 261.4 DEG MAG 375M FM ARP. Infringes the TNS by APRX 22FT.
4. Protected vegetation LOC PARL to RWY 10/28 APRX 80M SE of the centreline may vary up to 55FT AMSL BTN BRG 195.4 and 251.2 DEG MAG at 137M and 280M FM ARP respectively. Infringes the TNS up to 15FT.
5. Lit radio mast APRX 853FT AMSL BRG 129 DEG MAG 0.86NM FM ARP. Infringes inner HZS by 689FT.
6. Terrain:
  - a. North Head Hill APRX LOC at 313116.2S 1590220.4E varies up to 441FT AMSL BTN BRG 282.2 and 284.2 DEG MAG 2.2NM FM ARP. Infringes the inner HZS up to 279FT.
  - b. Transit Hill (lit) varies up to 443FT AMSL LOC at 313203.0S 1590440.8E BTN BRG 289.9 and 37.6 DEG MAG at 770M and 521M FM ARP respectively. Infringes the TNS up to 95FT and inner HZS up to 279FT. This terrain shields all other TNS infringements N of the RWS.
  - c. Intermediate Hill varies up to 809FT AMSL LOC at 313256.4S 1590516.2E BTN BRG 110.9 and 128.2 DEG MAG at 0.87NM and 0.85NM FM ARP respectively. Infringes the inner HZS up to 644FT.

METEOROLOGICAL INFORMATION PROVIDED

- 1. TAF CAT A, METAR/SPECI.
- 2. AWIS and AWIS Windy Point (RWY 10 approach) Phone 02 9353 6432 - Report faults to BoM.
- 3. AWIS FREQ 119.05 (requires one-second pulse to activate) - Report faults to AD OPR. Both AWIS broadcast on 119.05. Three full YLHI are broadcast first and then Windy Point wind speed and direction.

PHYSICAL CHARACTERISTICS

10/28 100 29a PCN 10 /F /A /1000 (145PSI) /T Grooved WID 30 RWS 90  
The 90M wide RWS width is mildly truncated at both ends; right hand side of APCH.

AERODROME AND APPROACH LIGHTING

- RWY 10/28 PTBL(1) BY PRIOR ARRANGEMENT
- (1) EMERG only. 1HR PN REQ. RWY THR and RWY end lighting in wingbar configuration. PTBL battery flares AVBL as back up if REQ.

ATS AND AERODROME COMMUNICATION FACILITIES

ACC BRISBANE CENTRE 124.95 (1)  
FIS BRISBANE SP6 INTL HF WI SELCAL 3467 5643 8867 13261 17904  
(1) On Ground Lord Howe Island  
Brisbane SP6 HF FREQ mandatory.

RADIO NAVIGATION AND LANDING AIDS

- DME LHI 114.3/ 90X 313144.4S 1590421.3E (1)  
NDB LHI 272 313144.1S 1590422.6E OW 140 (OW HN110) (2)  
(1) 157/0.6 to ARP. Antenna ELEV 196FT.  
(2) 143/0.6 to ARP.

LOCAL TRAFFIC REGULATIONS

- 1. Confine OPS to sealed SFC; limited ACFT tie-down FAC AVBL. Flares EMERG only.
- 2. Pavement subject to disturbance by turning ACFT. All turns to be MAX RAD. 180 DEG turns, all ACFT ABV 5,700KG MTOW use nodes only.

FLIGHT PROCEDURES

- 1. Because of the topography of Lord Howe certain wind COND may generate SEV TURB in the APCH to the RWY and preclude a safe LDG. The only safe course of action in such cases is to divert to a mainland AD. The Bureau of Meteorology is not able to FCST SEV TURB in all cases. The final responsibility for the safe conduct of a flight to Lord Howe rests with the pilot in command who must consider the possibility of a diversion to a mainland AD should TURB preclude a safe APCH.
- 2. Right hand circuits RQ when OPR RWY 28.

CTAF - AFRU 126.7

ADDITIONAL INFORMATION

- 1. Bird hazard may exist year round with increased bird activity on approach RWY 28 between September and March.
- 2. CAUTION: Expect MOD to SEV mechanical (orographically induced) TURB at low ALT in winds greater than 12KT in the S Sector BTN 120 and 240 DEG and in the N Sector BTN 320 and 060 DEG.
- 3. Weather balloon launch APRX 2315 UTC FM 440M S of ARP. Launches may occur at other times.

CHARTS RELATED TO THE AERODROME

- 1. WAC 3358.
- 2. Also refer to AIP Departure and Approach Procedures.

**LORRAINE****ELEV 165****FULL NOTAM SERVICE NOT AVBL**


 QLD  
 190023S 1395358E UTC +10 YLOR  
 VAR 6 DEG E UNCR  
 AD OPR Lorraine Pastoral Co, Lorraine Station, via Mount Isa, QLD, 4825.  
 PH 07 4748 5500. Fax 07 4748 5580.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 125.7 FL125

**CTAF** 126.7**CHARTS RELATED TO THE AERODROME**

WAC 3220.

**LOTUS VALE STN****ELEV 80****FULL NOTAM SERVICE NOT AVBL**

QLD  
 170254S 1412235E UTC +10 YLOV  
 VAR 6 DEG E UNCR  
 AD OPR Gulf Coast Agricultural Company Pty Ltd, PMB 8, Cairns MC, QLD, 4870.  
 Email: [contact@gulfcoast.com.au](mailto:contact@gulfcoast.com.au). PH 07 4745 3463. Website: [www.gulfcoast.com.au](http://www.gulfcoast.com.au).

**REMARKS**

- AD charges: All ACFT.
- PPR.

**AERODROME OBSTACLES**

- RWY 29: Unlit mast 83FT AMSL.
- Telstra phone TWR near homestead.

**PHYSICAL CHARACTERISTICS**

RWY 11/29 900M. WID 15M.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 118.6

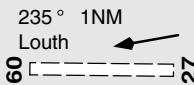
**CTAF** 126.7**ADDITIONAL INFORMATION**

Pigs and wallabies on strip around dawn and dusk.

**CHARTS RELATED TO THE AERODROME**

WAC 3220.

**LOUTH****ELEV 350****FULL NOTAM SERVICE NOT AVBL**


 NSW  
 303153S 1450743E UTC +10 YLOH  
 VAR 9 DEG E UNCR  
 AD OPR Bourke Shire Council, PO Box 21, Bourke, NSW, 2840.  
 PH 02 6830 8000. Fax 02 6872 3030.

**AERODROME AND APPROACH LIGHTING**

Solar LGT automatically activates dusk till dawn.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 124.9 To the South  
 FIA MELBOURNE CENTRE 125.35 Circuit Area

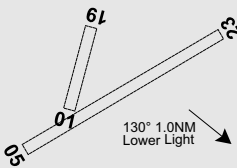
**CTAF** 126.7**ADDITIONAL INFORMATION**

Animal hazard exists.

**CHARTS RELATED TO THE AERODROME**

WAC 3356.

LOWER LIGHT



ELEV 55

FULL NOTAM SERVICE NOT AVBL

SA  
343100S      1382525E  
AD OPR Adelaide Tandem Skydiving Pty Ltd, 4158 Port Wakefield Rd,  
Lower Light, SA, 5501. Email: info@adelaideskydiving.com.au.  
PH 0411 875 867. ARO 08 8261 4161.  
Website: www.adelaideskydiving.com.au.

UTC +9:30      YLLT  
VAR 8 DEG E      UNCR

REMARKS

1. PPR.  
2. AD Charges: \$24 plus GST per landing.  
3. No night landings or approaches for visiting ACFT.

HANDLING SERVICES AND FACILITIES

AVGAS - private installation. Not AVBL for resale.

PHYSICAL CHARACTERISTICS

01/19      15c      Unrated. Grass      WID 7  
05/23      32c      Unrated. Gravel      WID 7

ATS AND AERODROME COMMUNICATION FACILITIES

FIA      ADELAIDE CENTRE      130.45

LOCAL TRAFFIC REGULATIONS

1. Do not move off main RWY 05/23 due to drop off and lights. RWY 01/19 has truck tyres lining RWY edges.  
2. ACFT landing RWY 05/23 are not to turn mid RWY. TAX to end of RWY to turn.

CTAF 126.7

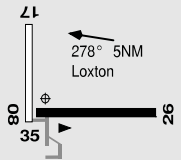
ADDITIONAL INFORMATION

1. Windshear may be present undershoot RWY 19.  
2. PJE OPS HJ, WI 2NM of AD. PJE ACFT broadcast OPS on 130.45.

CHARTS RELATED TO THE AERODROME

WAC 3458, 3459.

LOXTON



ELEV 125

FULL NOTAM SERVICE NOT AVBL

SA  
342833S      1403950E  
AD OPR District Council of Loxton Waikerie, PO Box 409, Loxton, SA, 5333.  
PH 08 8584 8000.

UTC +9:30      YLOX  
VAR 9 DEG E      UNCR

PASSENGER FACILITIES

WC.

PHYSICAL CHARACTERISTICS

08/26      082      39a      5700/ Sealed. RWY LEN 1,186M.      WID 18      RWS 90  
17/35      171      28c      Unrated. Brown sand silt. RWY LEN 854M.      WID 18      RWS 60

AERODROME AND APPROACH LIGHTING

RWY 08/26 EMERG only.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA      MELBOURNE CENTRE      124.3 Circuit Area

CTAF 126.7

CHARTS RELATED TO THE AERODROME

WAC 3458.

**LYNDOCH****ELEV 800****FULL NOTAM SERVICE NOT AVBL**

81

SA

UTC +9:30

YLYK

343718S

1385451E

VAR 8 DEG E

UNCR

AD OPR Barossa Helicopters, 261 Hoffnungsthal Road, Lyndoch, SA, 5351.

① PH 08 8524 4209. Website: [www.barossahelicopters.com.au](http://www.barossahelicopters.com.au).

36

**REMARKS**

1. PPR.
2. Not for general public use.

**HANDLING SERVICES AND FACILITIES**

AVGAS by arrangement.

**PASSENGER FACILITIES**

WC/RF/HC. AC AVBL in Barossa Valley, close to AD.

**PHYSICAL CHARACTERISTICS**

18/36 21c Unrated. Grass. RWY LEN 650M.

WID 25

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA ADELAIDE CENTRE

130.45

**LOCAL TRAFFIC REGULATIONS**

Overnight ACFT PRKG AVBL, 24HR surveillance.

**CTAF 126.7**

Use CTAF frequency 126.7 within 10NM and 3,000FT if over flying Lyndoch airfield, frequent traffic in close proximity.

**ADDITIONAL INFORMATION**

1. HEL scenic flight OPS 7 days per week.
2. Model ACFT fly most weekends.
3. Private fixed wing activity.
4. AD is published on Adelaide VTC/VNC.
5. Grass RWY soft when wet.

**CHARTS RELATED TO THE AERODROME**

WAC 3458 and 3459.

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## MABUIAG ISLAND

ELEV 30

**FULL NOTAM SERVICE NOT AVBL**

QLD

95706S

1421147E

UTC +10

VAR 5 DEG E

YMAA

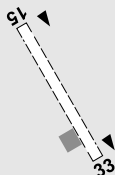
UNCR

AD OPR Torres Strait Island Regional Council, PO Box 7336, Cairns, QLD, 4870.

PH 07 4034 5700. ARO 0484 905 105 (H24).

## REMARKS

Restricted OPS: PPR from AD OPR



## AERODROME OBSTACLES

1. RWY 15/33 transitional SFC infringed.
2. Inner HZS infringed by terrain on island. OBST light not provided.

## PHYSICAL CHARACTERISTICS

15/33

149 14

WID 15

## ATS AND AERODROME COMMUNICATION FACILITIES

FIA

BRISBANE CENTRE

### 120.3 Circuit Area

## FLIGHT PROCEDURES

For special procedures which apply to Torres Strait biosecurity requirements, see ERSA GEN - SPECIAL PROCEDURES.

CTAF 126.5

## CHARTS RELATED TO THE AERODROME

WAC 3097.

**MACKAY**

ELEV 19

**AVFAX CODE 4401**

Q1 D

211017S

1491047F

UTC +10

VAR 8 DEG F

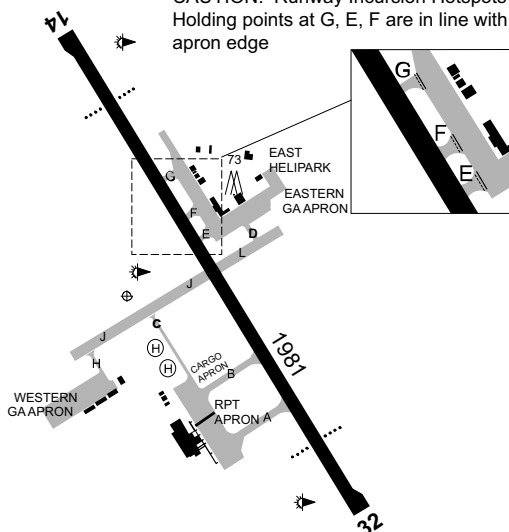
YBMK

CFRT

AD OPR Mackay Airport Pty Ltd, PO Box 5806, Mackay MC, Mackay, QLD, 4741.

PH 07 4957 0201. ARO 0418 570 233: 0407 570 208.

CAUTION: Runway Incursion Hotspots  
Holding points at G, E, F are in line with  
apron edge



**REMARKS**

1. AD Charges: All ACFT.
2. This AD is a Security Controlled Airport.
3. RPT APN is a Security Restricted Area. Access for non RPT operators to RPT and Cargo APN by permission from Airport Management non RPT operators must obtain prior parking approval 48 HR PN from Mackay Airport Pty Ltd, Phone 0418 570 233. Parking Approval Forms are available via airport website and return by email to aso@mackayairport.com. Access from cargo APN to RPT terminal or landside is via pedestrian gate 20A, remaining clear of Security Restricted Area.
4. Pedestrian Gates access code for both GA APN AVBL 0418 570 233 (2000-1100 UTC SUN-FRI, 2000-0930 UTC SAT). AH Phone 0419 757 117. Call-out fee will apply.
5. ASIC must be displayed at all times whilst airside, including on GA APN. Passengers must be escorted at all times.
6. Parking charges apply as per Mackay Airport Conditions of Use which can be obtained via Mackay Airport Website.

**HANDLING SERVICES AND FACILITIES**

Viva Energy Australia: NQ Fuels Pty Ltd. JET A1 0500-1800 Local, AH 1HR PN required, call-out fee applies. AVGAS bowser 24HR. PH 07 4957 3226 or MOB 0407 127 539. VIVA Fuel2Sky, V and MC accepted.

AVGAS not AVBL for ACFT wishing to refuel on Western GA APN of TWY J and TWY H. AVTUR only AVBL by prior arrangement with Viva refuelling agent.

**RESCUE AND FIREFIGHTING SERVICES**

1. CAT 7:
  - a. MON-SAT 1930-1140 UTC.
  - b. SUN 2030-1145 UTC.
2. 131.0 MHz AVBL HO.
3. Water Rescue Service AVBL.

**APRONS AND TAXIWAYS**

1. TWY C not AVBL for ACFT ABV MAX 21M wingspan or ACFT ABV 12,000KG.
2. TWY C AVBL HJ only.
3. TWY D not AVBL for ACFT ABV 5,700KG.
4. TWY E not AVBL for ACFT ABV MAX 24M wingspan
5. TWY F not AVBL for ACFT ABV MAX 24M wingspan.
6. TWY G not AVBL for ACFT ABV MAX 15M wingspan.
7. TWY H not AVBL for ACFT ABV 12,000KG and restricted to MAX 24M wingspan.
8. TWY J, PCN 8/F /A/580 (84PSI)/T
9. TWY L, PCN 8/F /A/580 (84PSI)/T
10. Eastern GA APN BTN TWY F and TWY G restricted to MAX 15M wingspan.
11. Some sections of the Eastern GA APN Surface slopes exceed the standard (east of TWY D and north of TWY G).
12. Western GA APN not AVBL for ACFT ABV 12,000KG and restricted to 24M MAX wingspan.
13. Western GA APN restrictions not AVBL to HEL OPS for ACFT ABV MTOW 1,100KG with skids EXC with prior approval FM Duty Safety Officer, Phone 0418 570 233.

**SURFACE MOVEMENT GUIDANCE**

1. CAUTION: Runway Holding Position for RWY 14/32 from the Eastern GA APN is marked along the western edge of the APN.
2. Movement Area Guidance sign on TWY H.
3. RWY 14 MAGS - Illuminated RWY designation MAG signs and TWY location MAG signs to RPT APN.



**AERODROME OBSTACLES**

1. 2 x lit smoke stacks, 262FT AMSL, BRG 272, 2.5NM FM ARP.
2. Masts:
  - a. 405FT AMSL, BRG 342, 3.3NM FM ARP. Lit.
  - b. 350FT AMSL, BRG 018, 3.5NM FM ARP. 2 x unlit.
3. Terrain:
  - a. 819FT AMSL BRG 316 MAG 7.5NM FM ARP infringes RWY 14 APCH.
  - b. 508FT AMSL BRG 319 MAG 6.4NM FM ARP infringes RWY 14 APCH.
4. Towers:
  - a. 1,171FT AMSL BRG 315 MAG 7.7NM FM ARP infringes RWY 14 APCH.
  - b. 189FT AMSL, BRG 308, 1.8NM FM THR RWY14. Unmarked.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT B, METAR/SPECI.
2. AWIS Phone 07 3564 3724 - Report faults to BoM.

**PHYSICAL CHARACTERISTICS**

14/32                      139    65a    PCN 57 / F / C /1400 (203PSI) /T Grooved                      WID 45            RWS 150

**AERODROME AND APPROACH LIGHTING**

|           |         |                |               |               |
|-----------|---------|----------------|---------------|---------------|
| RWY 14/32 | MIRL    | AFRU+PAL 124.5 |               | SDBY PWR AVBL |
| RWY 14/32 | PAPI(1) | AFRU+PAL 124.5 | 3.0 DEG53.3FT | SDBY PWR AVBL |
| RWY 14    | RTIL    | AFRU+PAL 124.5 |               | SDBY PWR AVBL |

- (1) Double sided.
1. RWY edge light spacing: 14/32: 57M.
2. CAUTION: On approach to RWY 14 in poor visibility, lighting along section of Bruce Highway aligned N/S approximately 1.5NM W of AD may be mistaken for RWY.
3. RWY THR identification lighting RWY 14 are activated in conjunction with RWY lighting.
4. Lighting status confirmed on CTAF.
5. Lighting set to Stage 2 during CTAF HR.
6. SDBY PWR does NOT include WDI for RWY 14 or 32.

**OTHER LIGHTING**

- ABN                      ALTN 8 WG
1. Secondary PWR switchover time: 15 SEC.
  2. TWY LGT: Green CL on A, B, E, H and J.

**ATS AND AERODROME COMMUNICATION FACILITIES**

|      |                     |             |
|------|---------------------|-------------|
| FIA  | BRISBANE CENTRE     | 135.5       |
| APP  | CORAL APPROACH (MK) | 125.65      |
| ATIS | MACKAY              | 112.7 128.0 |
| SMC  | MACKAY GROUND       | 121.7       |
| TWR  | MACKAY TOWER        | 124.5       |

1. TWR and APP HR:
  - a. MON-FRI 2020-1020 UTC.
  - b. SAT-SUN 2020-0930 UTC.

*Note: TWR HR may change at short notice, check status of airspace with ATS or Mackay ATIS.*
2. Phone MK TWR: 07 4951 8431^ or 07 4951 8491^ . BN CEN 07 3866 3224^.
3. Mackay TWR provides Class D TWR services within Mackay CTR, SFC to 1,000FT AMSL. CTC TWR for CLR.
4. During TWR HRS, CORAL APP provides ATS:
  - a. WI the CTA steps Class D ABV 1,000FT AMSL to an upper level of 4,500FT AMSL.
  - b. WI the Class C airspace contained within the boundaries of the Mackay and SWAMPY CTA steps 22NM north and 36NM south of YBMK ABV 4,500FT AMSL to an upper level of FL150.
5. Outside TWR HR Brisbane Centre provides:
  - a. ATS within Class C airspace ABV 4,500FT AMSL.
  - b. Class G service at and below 4,500FT AMSL.

*Note: Outside TWR HR, CTC Brisbane Centre for TAX and on ground reports in this airspace.*

**RADIO NAVIGATION AND LANDING AIDS**

|     |                    |            |           |            |                  |     |
|-----|--------------------|------------|-----------|------------|------------------|-----|
| DME | MK                 | 112.7/ 74X | 211022.9S | 1491114.6E | Range 75 (HN 75) | (1) |
| NDB | MK                 | 308        | 210944.1S | 1491110.5E |                  | (2) |
| VOR | MK                 | 112.7      | 211022.8S | 1491114.0E |                  |     |
| (1) | Antenna ELEV 40FT. |            |           |            |                  |     |
| (2) | 204/0.7 to ARP.    |            |           |            |                  |     |

**LOCAL TRAFFIC REGULATIONS**

1. Simulated asymmetric DEP or simulated engine failure after takeoff:
  - a. Not permitted RWY 32;
  - b. Not permitted until ACFT CLR of built-up areas;
  - c. DRG TWR HR, prior approval from ATC required.
2. Wide bodied ACFT restricted to TWY A and parking position 1A.
3. ACFT requesting PRKG on Bays 1 through to 5A, in addition to completing the 'Mackay Airport Aircraft Parking Approval', require a ground handling agency to be appointed to handle all ground OPS during their stay. Details via airport website.
4. Western GA APN parking - ACFT (including HEL) BLW 12,000KG requiring access to RPT terminal to park on Western GA APN, accessed from TWY J via TWY H. Access from Western APN to RPT terminal or landside is via pedestrian Gate 21A. The northern edge of the Western GA APN parking area is restricted to DAY operations only. All other ACFT to park at Eastern GA in the parking area ADJ to TWY D via TWY E and from TWY L via TWY D.
5. HEL LDG site ADJ TWY C now AVBL to HEL OPS ACFT ABV 1,100KG.
6. Civil HEL Operations
  - a. Air taxi to/from parking at EAST HELIPARK via TWY J-L;
  - b. MAX rotor diameter 15M. If diameter greater than 15M, 24HR PN required for parking allocation;
  - c. Caution: Floodlighting towers up to 45M AMSL on sporting fields in sector NE of AD.
7. **TRAINING FLIGHTS**
  - a. Circuit training for ACFT ABV 5,700KG restricted to 2100-1100 UTC.
  - b. All SVY, practice IAL and NAVAIID training within Class C and D airspace requires prior notice. Phone MK TWR DRG TWR HR for approval.
8. Landing RWY 14 - Jet ACFT ABV 30,000KG MTOW, when operationally possible, are requested to avoid excessive braking and to use full RWY length and turning nodes provided.
9. Run-up bay on Eastern GA located on southern side of Eastern GA APN in BTN TWY D and E.

**CTAF - AFRU 124.5**

Outside TWR HR.

**NOISE ABATEMENT PROCEDURES**

Noise Abatement Procedures (NAP) apply. Refer AIP DAP.

**ADDITIONAL INFORMATION**

1. Animal hazard exists year round with risk species varying depending on weather conditions. Pilots should contact ATC or ARO for real time wildlife hazard report.
  - a. Flying-fox can be a hazard at any time of the year, peaking MAR to MAY, as they may transit RWY at dusk.
2. Bird Hazard exists. Increased numbers of the following species are expected during the specified times:
  - a. APR to OCT; increased masked lapwing activity.
  - b. JUL to JAN; increased bush stone-curlew activity.
  - c. Increased bird activity during and post rainfall and adverse weather events, including Australian white ibis, straw-necked ibis, magpie goose, cattle egret and whistling duck.
  - d. Increased bird activity between 0600-0900 Local and dusk daily as flocks transit BTN off-airport sites, including Australian white ibis, straw-necked ibis and magpie goose.
  - e. Adverse weather increases risk from gulls, terns and migratory waders.
  - f. Species specific NOTAM will be issued during periods of increased activity.

- Information may be continued on the next page: PTO

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## AERODROME AND APPROACH LIGHTING

RWY 05/23 LIRL

1. RWY edge light spacing: 05/23: 90M.
2. Lights AVBL FM 1730-2130 Local. After 2130 Local, lights AVBL on request (charges will apply).

## OTHER LIGHTING

TWY LGT: None.

## ATS AND AERODROME COMMUNICATION FACILITIES

FIA BRISBANE CENTRE 125.7 On Ground

## LOCAL TRAFFIC REGULATIONS

1. Preferred RWY 23 nil or LV wind.
2. Circuit training permitted 0730-2200 Local.
3. Circuit training before 0800 Local restricted to single-engine aeroplanes less than 1,900KG MTOW.
4. PPR before using unsealed movement areas for taxi or parking.

## FLIGHT PROCEDURES

1. Right hand circuits required for NGT OPS RWY 05.
2. Pilots should limit radio transmissions in the circuit to those necessary to provide traffic information and separation. Broadcast with intentions turning base is recommended.
3. **Helicopter Operations:**
  - a. Contra CCTS may be conducted for training purposes.
  - b. Helicopter CCTS to be flown at 700FT AGL (or 800FT ALT).
  - c. EMERG SER HEL shall APCH and DEP the AD over a wide non-residential corridor to the S of the AD.

CTAF 122.65

## NOISE ABATEMENT PROCEDURES

Noise sensitive areas at Windella (immediately W of AD) and Rutherford (1-2NM E of AD).

## ADDITIONAL INFORMATION

1. When wind velocities exceed 10KT, TURB and rotor effect may occur on approach to RWY 26 or on initial leg of RWY 08 due to treed areas to the E of the RWY. Pilots should exercise caution.
2. Significant animal (kangaroo) hazard exists, peak periods at dawn and dusk.
3. Bird hazard exists.
4. Aeroplane and helicopter flying training.
5. Model ACFT:
  - a. OPR WI 1,000M RAD of PSN 324518.00S 1513648.00E BRG 102 MAG 7.1NM FM Maitland AD (YMND). SFC-1,000FT.
  - b. OPR WI 0.5NM RAD of PSN 324000.27S 1512502.33E 'Luskintyre Airfield' BRG 292 MAG 5.2NM FM ARP. OPR will MNT CTAF. OPR PH: 0425 292 391. SFC-1,000FT AGL.

## CHARTS RELATED TO THE AERODROME

1. WAC 3456
  2. Also refer to AIP Departure and Approach Procedures.
-

**MAITLAND (SA)****ELEV 559****FULL NOTAM SERVICE NOT AVBL**

SA

342334S

1374226E

UTC +9:30

YMLD

VAR 8 DEG E

UNCR

AD OPR District Council of Yorke Peninsula, 8 Elizabeth Street, Maitland, SA, 5573. PH 08 8832 0000. ARO 0428 859 347: 0419 817 975.

**HANDLING SERVICES AND FACILITIES**

Fuel by arrangement 08 8835 1300.

**PASSENGER FACILITIES**

WC

**AERODROME AND APPROACH LIGHTING**

LIRL PAL 119.6.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA

MELBOURNE CENTRE

118.95

**CTAF 126.7****CHARTS RELATED TO THE AERODROME**

WAC 3459.

**MALLACOOTA****ELEV 102****AVFAX CODE 3051**

VIC

UTC +10

YMCO

373556S

1494315E

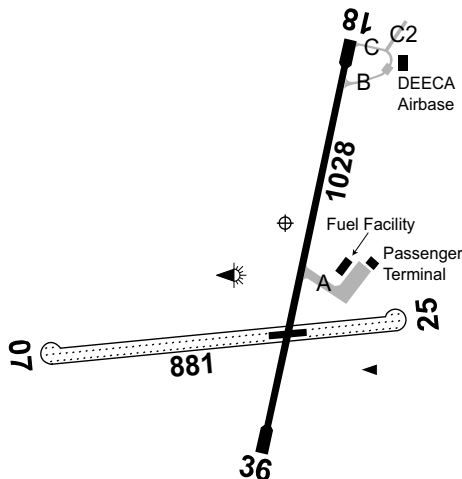
VAR 14 DEG E

CERT

AD OPR East Gippsland Shire Council, PO Box 1618, Bairnsdale, VIC, 3875.

Email: [feedback@egipps.vic.gov.au](mailto:feedback@egipps.vic.gov.au). PH ARO 0419 532 060 Back-up 0408 580 569.

Website: [www.eastgippsland.vic.gov.au](http://www.eastgippsland.vic.gov.au).

**REMARKS**

1. Pin coded gate FM APN to terminal, CTC ARO for code.
2. Nil landing fees.

**HANDLING SERVICES AND FACILITIES**

World Fuel Services H24. AVGAS and JET A1 self-service bowsers, WFS carnet card, V and MC via Compac Pay smartphone APP. PH 0429 922 678.

PASSENGER FACILITIES

LG/WC/RF. TX and HC not readily AVBL.

METEOROLOGICAL INFORMATION PROVIDED

1. METAR/SPECI.
2. AWIS PH 03 8470 3212 - Report faults to BoM.

AERODROME OBSTACLES

APCH RWY 36 visual segment surface, infringed by trees:

- a. 135FT AMSL 560M FM THR 36M east RCL.
- b. 136FT AMSL 585M FM THR 46M west RCL.
- c. 138FT AMSL 597M FM THR 72M west RCL.

PHYSICAL CHARACTERISTICS

07/25

069 29c

PCN 5 /F /B /5700/500 (73PSI) /U Gravel.

WID 30

RWS 90

18/36

177 34a

PCN 5 /F /B /5700/600 (87PSI) /U

WID 18

RWS 90

AERODROME AND APPROACH LIGHTING

RWY 07/25

PTBL(1)

BY PRIOR ARRANGEMENT

RWY 18/36

LIRL

PAL 120.6

SDBY PWR AVBL

- (1) EMERG only. 90MIN PN.
- RWY 18/36 edge light spacing: 60M.

OTHER LIGHTING

1. TWY LGT: Blue edge.
2. SDBY PWR switchover time: 35 SEC.
3. IWI will activate on PAL and will flash in last 10MIN of 30MIN cycle.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

MELBOURNE CENTRE

120.75 3000FT

LOCAL TRAFFIC REGULATIONS

1. All overnight parking, CTC ARO for instructions.
2. ACFT OPR ABV published weights, CTC ARO for pavement concession.
3. RWS not prepared for TKOF and landings.
4. TWY B, C and C2 restricted to fire EMERG ACFT and local tenants only.

FLIGHT PROCEDURES

Right hand circuits RQ when OPR on RWY 36.

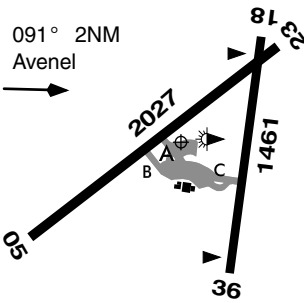
CTAF 126.7

ADDITIONAL INFORMATION

1. Increased HEL OPS during summer season for fire EMERG.
2. Ultralight ACFT OPS at AD.

CHARTS RELATED TO THE AERODROME

1. Also refer to AIP Departure and Approach Procedures.
2. WAC 3470.

**MANGALORE****ELEV 467****AVFAX CODE 3052**


091° 2NM  
Avenel

VIC  
365318S 1451103E  
AD OPR Mangalore Airport Pty Ltd, 331 Aerodrome Road,  
Mangalore, VIC, 3663. PH 03 5796 2000: 0428 863 439 H24.  
Fax 03 5796 2197.

UTC +10  
VAR 11 DEG E  
YMNG  
CERT

**REMARKS**

1. AD Charges: ALL ACFT.
2. Pavement concessions must be arranged through the AD OPR.
3. Visiting ACFT PPR to conduct circuit training at the AD. PN to AD OPR required when nominating Mangalore as an ALTN.
- 4.

**HANDLING SERVICES AND FACILITIES**

World Fuel Services: 24HR AVGAS bowser carnet card, MC and V via smartphone APP.  
Mangalore Airport Pty Ltd: JET A1 - CTC AD OPR, 30MIN PN AH. AH call-out fee.

**PASSENGER FACILITIES**

WC/LG/ME (JO)/TX/HC: by arrangement with AD OPR.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT D, METAR/SPECI.
2. AWIS Phone 03 8470 3213 - Report faults to BoM.
3. AWIS FREQ 128.825 (requires one-second pulse to activate) - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

|       |     |     |                              |        |        |
|-------|-----|-----|------------------------------|--------|--------|
| 05/23 | 043 | 67a | PCN 6 /F /C /730 (106PSI) /U | WID 23 | RWS 90 |
| 18/36 | 178 | 48a | PCN 6 /F /C /730 (106PSI) /U | WID 23 | RWS 90 |

**AERODROME AND APPROACH LIGHTING**

|           |         |               |
|-----------|---------|---------------|
| RWY 05/23 | LIRL(1) | SDBY PWR AVBL |
| RWY 18/36 | LIRL(1) | SDBY PWR AVBL |

(1) On Request

1. RWY edge light spacing: 18/36: 90M; 05/23: 90M.
2. RWY edge light lateral spacing 45M.

**OTHER LIGHTING**

ABN ALTN 8 WG

1. Secondary PWR switchover time: 12 SEC.
2. TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 122.4 On Ground

**RADIO NAVIGATION AND LANDING AIDS**

VOR MNG 113.2 365309.2S 1451139.2E

**LOCAL TRAFFIC REGULATIONS**

Confine OPS to paved surfaces.

**FLIGHT PROCEDURES**

1. Night circuits to the west for all fixed wing ACFT (right hand CCTS RWY18 and 23).
2. Where possible minimise backtracking on active RWY - ACFT using RWY 23 for TKOF shall taxi via TWY C and taxi on RWY 18/36 and ACFT using RWY 18 for TKOF shall taxi via TWY A and taxi on RWY 05/23.
3. Training flights conducting practice instrument approaches should add 1,000FT to all the ALT prescribed in the approach to reduce noise nuisance and interference with circuit traffic. Such flights should BCST their intentions, including ALT limits of OPS when turning inbound. IMC flights should remain as high as practical when encountering VMC and join the circuit in the standard manner.

4. It is recommended that all ACFT shall illuminate LDG and taxi lights WI a 10NM radius of the airport and when established in the circuit.
5. Occasional helicopter OPS take place on RWY, grass areas and outside RWS. HEL CCTS will be flown at 700FT AGL and may include right hand CCTS. TEMPO LGTD HLS for HEL training purposes only.
6. The MNM radio broadcasts are taxiing, entering, departing: Inbound, Joining, Base and Final with position, altitude and intentions.  
*Note: Pilots must respond to radio requests from other TFC for their intentions, position or altitude*
7. Base/Final broadcast is to include a nominated ACFT landing sequence number, determined by your position behind preceding airborne ACFT (e.g. Warrior ABC final 23 touch and go number 2).

CTAF 121.1

ADDITIONAL INFORMATION

1. Extensive fixed wing flight training at the AD and area bound by Seymour, Nagambie, Stanhope, Euroa, Seymour townships SFC up to 8,500FT AMSL 0700-2300 Local.
2. Training area traffic will normally depart Mangalore via Nagambie Mine 006DEG/6NM and return tracking to east of the railway line from Locksley to Avenel.
3. Bird hazard may exist.
4. Aerobatic OPS ABV AD conducted HJ, OCNL JF, A025 to A060. Also WI lateral boundary D333 conducted HJ, DLY, A040 to A060. Aerobatic ACFT monitor YMNG CTAF 121.1.
5. Gliding activities at YLCS (Locksley Field).
6. PJE HJ within D376 SFC - FL125 at YEUA (Euroa).

CHARTS RELATED TO THE AERODROME

1. WAC 3469, 3470.
2. Also refer to AIP Departure and Approach Procedures.

81

01

36

NSW

331706S

1511246E

AD OPR Central Coast Soaring Club, 156 Bloodtree Rd, Mangrove Mountain, NSW, 2250. PH 0402 907 038 (Club Phone) or 0414 256 602 (CFI).  
Website: [www.ccsoaring.com.au](http://www.ccsoaring.com.au).

REMARKS

PPR for all ACFT (EXC powered EMERG service ACFT) - CTC AD OPR.

AERODROME OBSTACLES

Tall trees on approach to all RWY ends.

ELEV 1020

FULL NOTAM SERVICE NOT AVBL

UTC +10

VAR 12 DEG E

YMVM

UNCR

PHYSICAL CHARACTERISTICS

07/2510cUnrated. Grass. Downslope to the W.

18/3639cUnrated. Undulating grass.

RWY 18/36 very soft and unusable after rain.

ATS AND AERODROME COMMUNICATION FACILITIES

FIASYDNEY CENTRE125.8

LOCAL TRAFFIC REGULATIONS

Practice glide approaches by powered ACFT are discouraged due to risk of conflict with winch operations and noise abatement.

FLIGHT PROCEDURES

1. Avoid overfly below 3,500FT AMSL due to potential conflict with winch launching gliders.

2. ACFT transiting the circuit area should BCST and MNT CTAF when in the vicinity of Mangrove Mountain.

CTAF 132.1

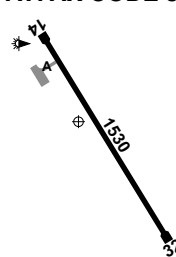


**ADDITIONAL INFORMATION**

1. Gliding OPS HJ launched by winch, cable up to 4,000FT in length.
2. Intensive glider OPS including aerobatics within 10NM up to 8000FT AMSL.
3. Wind shear in moderate winds from any direction.
4. Transiting aircraft should maintain a lookout when transiting the area due to the possibility of conflict with gliders in thermals anywhere in the vicinity.

**CHARTS RELATED TO THE AERODROME**

WAC 3456.

**MANINGRIDA****ELEV 123****AVFAX CODE 8025**

NT

120322S

1341403E

UTC +9:30

YMGD

AD OPR Maningrida Council Inc, Maningrida, NT, 0822.

Email: contracts@westarnhem.nt.gov.au. PH 08 8979 6600.

ARO 0417 053 306.

VAR 3 DEG E

YMGD

CERT

**HANDLING SERVICES AND FACILITIES**

BAC Fuel: PH 08 8979 6511 or 0436 669 384. JET A1 and AVGAS. AH \$30 call-out fee.

**PASSENGER FACILITIES**

WC/LG/Telstra mobile phone coverage.

**AERODROME OBSTACLES**

1. Unlit anemometer 131FT AMSL BRG 187 DEG MAG 85M FM ARP.
2. Trees:
  - a. 194FT AMSL BRG 135 DEG MAG 1,120M FM ARP. Infringes TNS.
  - b. 183FT AMSL BRG 133 DEG MAG 951M FM ARP. Infringes TNS.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT C, METAR/SPECI.
2. AWIS PH 08 7922 2509 - Report faults to BoM.

**PHYSICAL CHARACTERISTICS**

14/32 145 50a PCN 8 /F /A /580 (84PSI) /U Sealed.

WID 30

RWS 90

**AERODROME AND APPROACH LIGHTING**

RWY 14/32 LIRL AFRU+PAL 127.5

**OTHER LIGHTING**

TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

123.4 On Ground

**RADIO NAVIGATION AND LANDING AIDS**

NDB MGD 401 120345.9S 1341354.0E Range 45 (HN 45)

(1)

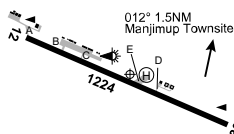
(1) 025/0.4, Range 35 to W - Operated by AD OPR - Pilot Monitored

**CTAF - AFRU 127.5****ADDITIONAL INFORMATION**

Bird and animal hazard exists.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3109.
2. Also refer to AIP Departure and Approach Procedures.

**MANJIMUP****ELEV 942****AVFAX CODE 6306**

WA  
341555S 1160825E UTC +8 YMJM  
VAR 3 DEG W CERT  
AD OPR Shire of Manjimup, PO Box 1, Manjimup, WA, 6258.  
Email: info@manjimup.wa.gov.au. PH 08 9771 7777. ARO 0428 711 269.  
PH AH 08 6454 4600. Fax 08 9771 7771.

**HANDLING SERVICES AND FACILITIES**

Air BP: H24. AVGAS card bowser. Air BP Carnet card or cash/cheque only. Phone 0428 711 269.

**PASSENGER FACILITIES**

WC/TX/ME - S. Hawily LAME. Phone 08 9771 1166 H24.

**APRONS AND TAXIWAYS**

TWY A: slope 4% down to NW.

**AERODROME OBSTACLES**

1. Antenna:
  - a. 1,113FT AMSL BRG 015 MAG 0.67NM FM ARP. Infringes inner HZS by 32FT.
  - b. 1,113FT AMSL BRG 019 MAG 0.67NM FM ARP. Infringes inner HZS by 32FT.
2. Phone TWR:
  - a. 1,152FT AMSL BRG 026 MAG 0.78NM FM ARP. Infringes inner HZS by 71FT.
  - b. 1,147FT AMSL BRG 034 MAG 0.74NM FM ARP. Infringes inner HZS by 66FT.
3. Trees:
  - a. 1,087FT AMSL BRG 322 MAG 0.53NM FM ARP. Infringes inner HZS by 6FT.
  - b. 1,036FT AMSL BRG 306 MAG 0.5NM FM ARP. Infringes TNS by 14FT.
  - c. 1,030FT AMSL BRG 303 MAG 0.5NM FM ARP. Infringes TNS by 35FT.
  - d. 989FT AMSL BRG 301 MAG 0.51NM FM ARP. Infringes TNS by 10FT.
4. Hangars:
  - a. 960FT AMSL BRG 308 MAG 0.14NM FM ARP. Infringes TNS by 2FT.
  - b. 963FT AMSL BRG 307 MAG 0.16NM FM ARP. Infringes TNS by 4FT.

**PHYSICAL CHARACTERISTICS**

12/30 116 40a PCN 10 /F /B /850 (123PSI) /U WID 18 RWS 80

**AERODROME AND APPROACH LIGHTING**

RWY 12/30 LIRL PAL 122.3 SDBY PWR AVBL

RWY lighting 59M spacing.

**OTHER LIGHTING**

1. Secondary PWR switchover time: 15 SEC.
2. TWY LGT: Blue edge on B.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 124.9 3000FT

**LOCAL TRAFFIC REGULATIONS**

1. APN PRKG limitations. Check with AD OPR for ACFT PRKG arrangements adjacent to the RWY strip edge, PH ARO.
2. TWY A restricted to PVT OPR PRKG only.
3. TWY B AVBL for APN PRKG.
4. TWY D restricted to HEL.
5. Tie-downs within the APN parking area are not rated.

**CTAF** 126.7

**CHARTS RELATED TO THE AERODROME**

1. WAC 3462.
2. Also refer to AIP Departure and Approach Procedures.

**MANSFIELD****ELEV 1050****FULL NOTAM SERVICE NOT AVBL**

VIC

UTC +10

YMFD

370400S

1460700E

VAR 12 DEG E

UNCR

AD OPR M and P Walsh, 370 Mt. Buller Road, Mansfield, VIC, 3722. PH 03 5775 2558.

PH 0407 886 979; 0447 525 585. Fax 5779 1376.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE

122.4 Circuit Area

**CTAF** 126.7**CHARTS RELATED TO THE AERODROME**

WAC 3470.

**MARBLE BAR****ELEV 637****AVFAX CODE 6841****FULL NOTAM SERVICE NOT AVBL**

WA

UTC +8

YMBL

210945S

1195023E

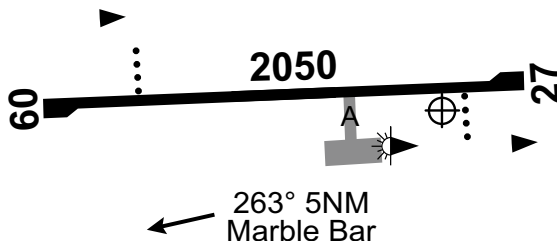
VAR 1 DEG E

CERT

AD OPR Shire of East Pilbara, PMB 22, Newman, WA, 6753.

Email: marblebarops@eastpilbara.wa.gov.au; AD Manager snair@eastpilbara.wa.gov.au.

Mobile 0455 554 520. Website: www.eastpilbara.wa.gov.au.

**REMARKS**

1. PPR. HJ only. CTC AD Manager.
2. CTC AD manager:
  - a. AD charges apply.
  - b. ACFT parking availability (limited) and allocation.

**PASSENGER FACILITIES**

PT/AC/LG/WC.

**PHYSICAL CHARACTERISTICS**

09/27 083 67a PCN 27 /F /B /48000/1080 (157PSI) /T WID 30 RWS 90

Additional TKOF length AVBL for RWY 09. Refer to RDS for further information.

**AERODROME AND APPROACH LIGHTING**

RWY 09/27 PAPI(1) AFRU+PAL 126.7 3.0 DEG 51FT

RWY 09/27 PTBL(2)

BY PRIOR ARRANGEMENT

(1) Left side.

(2) EMERG only. 90MIN PN.

1. RWY 09 THR starter extension not AVBL when PTBL LGT ACT.

2. No PERM LGT AVBL.

**OTHER LIGHTING**

PTBL TWY LGT: Blue edge. EMERG only with 90MIN PN.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE

118.6 5500FT

LOCAL TRAFFIC REGULATIONS

1. RWS not MNTN for ACFT OPS.
2. Departing aircraft above 5,700KG MTOW are required to taxi on RCL to the THR of the RWY in use and turn at the turn pads.
3. All turns on the RWY and turn pads are to be at MNM speed and MAX radius.
4. Arriving ACFT above 5,700KG MTOW are to extend the landing roll to the end of the RWY in use and use turn pads for turning.
5. All ACFT are RQ to apply MNM power on all engines when DEP from all parking bays on the apron.

CTAF - AFRU 126.7

CHARTS RELATED TO THE AERODROME

WAC 3229.

MAREEBBA

ELEV 1564

AVFAX CODE 4506

QLD

170414S

1452526E

UTC +10

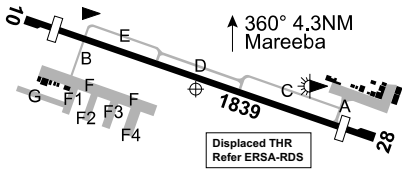
VAR 7 DEG E

YMBA

CERT

AD OPR Mareeba Shire Council, PO Box 154, Mareeba, QLD, 4880.

Email: aerodromes@msc.qld.gov.au. PH 1300 308 461 (AH or EMERG). Fax 07 4092 5138.



REMARKS

AD charges apply.

HANDLING SERVICES AND FACILITIES

IOR Aviation: AVGAS and JET A1 AVBL self-service bowser via IOR Aviation Tag or the Fuelcharge APP. PH 1300 457 467.

AERODROME OBSTACLES

1. Unlit power poles APRX 30FT AGL BRG 025 MAG 150M FM ARP. Infringes transitional SFC.
2. Hills to the E and SE infringe the inner HZS.
3. TWR lit 132FT AGL BRG 018 MAG 644M FM ARP.

METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT D, METAR/SPECI.
2. AWIS PH 07 3564 3725 - Report faults to BoM.
3. AWIS FREQ 122.050 - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

10/28 103 60a PCN 7 /F /C /896 (130PSI) /T WID 30 RWS 90

AERODROME AND APPROACH LIGHTING

RWY 10/28 LIRL AFRU+PAL 126.7

RWY 10/28 PTBL(1)

(1) AVBL for medical EMERG only. 60MIN PN RQ.

RWY edge light spacing: 10/28: 60M.

BY PRIOR ARRANGEMENT

OTHER LIGHTING

TWY LGT: Green CL on A, B, C and E.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA BRISBANE CENTRE 123.8 On Ground

FIA CAIRNS APPROACH 126.1 Circuit Area

## LOCAL TRAFFIC REGULATIONS

1. TWY D not AVBL for ACFT ABV 5,700KG.
2. ACFT DEP Mareeba for Cairns that have obtained a Landing Slot Time FM ATC will be processed more expeditiously.

## FLIGHT PROCEDURES

Right hand circuits RQ when OPR on RWY 28.

**CTAF - AFRU** 126.7

## ADDITIONAL INFORMATION

1. Agricultural OPS take place WI 10NM up to 500FT AGL.
2. Manned balloon activities may occur in 3HR following first light.
3. Ultralight OPS take place at AD and WI 3NM.
4. Bird hazard exists.

## CHARTS RELATED TO THE AERODROME

1. WAC 3219.
2. Also refer to AIP Departure and Approach Procedures.

## MARGARET RIVER

**ELEV 374**

**FULL NOTAM SERVICE NOT AVBL**



WA  
335550S 1150600E  
AD OPR Shire of Augusta-Margaret River, PO Box 61, Margaret River, WA, 6285.  
Email: [worksmaintenance@amrshire.wa.gov.au](mailto:worksmaintenance@amrshire.wa.gov.au); [amrshire@amrshire.wa.gov.au](mailto:amrshire@amrshire.wa.gov.au).  
ARO 08 9780 5642; 0460 419 183. Council PH 08 9780 5255.

UTC +8  
VAR 3 DEG W  
YMG  
UNCR

**REMARKS**  
PPR from Council for all OPS including touch and go.

**PASSENGER FACILITIES**  
TX (08 9757 3444)/LG.

## AERODROME AND APPROACH LIGHTING

PAL 120.25, system not inspected by CASA.

## ATS AND AERODROME COMMUNICATION FACILITIES

FIA MELBOURNE CENTRE 124.9 Circuit Area

**CTAF** 132.25

## NOISE ABATEMENT PROCEDURES

1. Consideration should be given to operate aircraft in such a manner that minimises the audible and visual impact such operations may have on the community.
2. When ARR or DEP from Margaret River pilots are encouraged to keep circuits as close as practicable to the airstrip to avoid populous areas and the town.
3. When taking off from RWY 20, pilots are encouraged to avoid flying over the eastern precincts of the town by making a shallow left turn at a safe height after take off and either depart to the east or climb to 1,500FT before turning to the west.
4. Pilots are requested to use standard non-towered rejoin and circuit altitudes.
5. Pilots are encouraged to land on RWY 20 when practicable to avoid flying close to the Margaret River town.
6. Takeoffs and landings can be made from either RWY, depending on prevailing conditions. Pilots are encouraged to avoid flying over or close to the town.
7. Pilots are requested to climb as soon as possible within the airstrip perimeter.
8. Pilots should maintain appropriate altitudes when flying in the vicinity of the airstrip i.e. - 1,500FT AGL for over fly and 1,000FT AGL for circuit.
9. Pilots are requested to adopt climb or cruise power settings as soon as possible after reaching an altitude of 500FT.
10. Pilots should avoid residential areas when possible, and otherwise remain above 1,500FT AGL and limit any orbits of the town area.

**ADDITIONAL INFORMATION**

Hazardous conditions exist for light ACFT when landing with a westerly crosswind due to close proximity of forest area W of RWS.

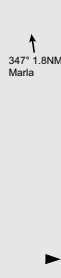
**CHARTS RELATED TO THE AERODROME**

1. WAC 3462.
2. Also refer to AIP Departure and Approach Procedures.

**MARLA****ELEV 1076****FULL NOTAM SERVICE NOT AVBL**

UTC +9:30 YALA  
VAR 5 DEG E UNCR

SA 272003S 1333735E  
AD OPR Outback Communities Authority, PO Box 3326, Port Augusta, SA, 5700.  
PH 08 8648 5970: 0427 687 772: 0439 136 271. Fax 08 8648 5971.

**PHYSICAL CHARACTERISTICS**

18/36 176 56a Unrated. Sealed.

WID 18 RWS 90

**AERODROME AND APPROACH LIGHTING**

Solar EMERG only.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 120.7 7000FT

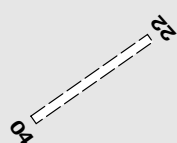
CTAF 126.7

**CHARTS RELATED TO THE AERODROME**

WAC 3222.

**MARREE****ELEV 164****AVFAX CODE 5109****FULL NOTAM SERVICE NOT AVBL**

UTC +9:30 YMRE  
VAR 7 DEG E UNCR



SA 293946S 1380357E  
AD OPR Marree and District Progress Association Inc, C/O Post Office,  
Marree, SA, 5733. PH Marree and District Progress  
Association 0487 373 771. Email: marreehs@bigpond.com or  
juneandrew1953@gmail.com. PH Marree Hotel 08 8675 8344,  
0488 444 544. Email: info@marreehotel.com.au. Fax: 08 8675 8328.

**REMARKS**

1. PPR to land.
2. AD Charges: Single \$25.00, Twin \$30.00, overnight PRKG \$10.00. Exemptions apply for RFDS, Angel Flight and other medical related landings.

**HANDLING SERVICES AND FACILITIES**

Both AVGAS and JET A1 in trucks AVBL, \$3.00 per litre. Some oils AVBL. Contact Marree Hotel, 0800-1800 Local.

**PASSENGER FACILITIES**

Optus and Telstra mobile coverage/WC AVBL in hangar.

**METEOROLOGICAL INFORMATION PROVIDED**

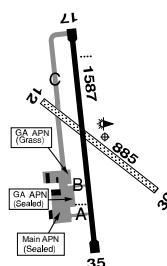
METAR/SPECI.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 121.2 Circuit Area

**CTAF 127.8****CHARTS RELATED TO THE AERODROME**

WAC 3355.

**MARYBOROUGH (QLD)****ELEV 38****AVFAX CODE 4021**

QLD

253048S

1524254E

UTC +10

VAR 10 DEG E

YMYB

CERT

AD OPR Fraser Coast Regional Council, PO Box 1943, Hervey Bay, QLD, 4655.

PH 1300 794 929. ARO 0419 671 405. Website: [www.frasercoastairport.com.au](http://www.frasercoastairport.com.au).**REMARKS**

1. AD Charges: See Fees and Charges on website or CTC AD OPR.
2. The operation of ACFT is restricted to prepared RWYS, TWYS and APN.

**APRONS AND TAXIWAYS**

1. TWY B not AVBL to ACFT over 5,700KG MTOW.
2. TWY C grass only. May not be AVBL in wet weather.

**AERODROME OBSTACLES**

Towers:

- a. Lit 207FT AMSL, BRG 244 MAG 1.51NM FM ARP, infringes HZS by 160FT APRX.
- b. Lit 203FT AMSL, BRG 259 MAG 1.49NM FM ARP, infringes HZS by 165FT APRX.
- c. Lit 233FT AMSL, BRG 254 MAG 2.12NM FM ARP, infringes HZS by 195FT APRX.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT D, METAR/SPECI.
2. AWIS Phone 07 3564 3726 - Report faults to BoM.
3. AWIS FREQ 133.55 (requires one-second pulse to activate) - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

|       |     |     |                                              |        |        |
|-------|-----|-----|----------------------------------------------|--------|--------|
| 12/30 | 118 | 29c | Unrated. Grassed grey silt clay              | WID 30 | RWS 90 |
| 17/35 | 163 | 52a | PCN 4 /F /B /580 (84PSI) /U Sealed shoulders | WID 30 | RWS 90 |
|       |     |     | 7.5M each side                               |        |        |

**AERODROME AND APPROACH LIGHTING**

|           |            |           |             |
|-----------|------------|-----------|-------------|
| RWY 17/35 | LIRL       | PAL 120.6 |             |
| RWY 17/35 | PAPI(1)    | PAL 120.6 | 3.0 DEG42FT |
| (1)       | Left side. |           |             |

RWY edge light spacing: 17/35: 90M.

**OTHER LIGHTING**

TWY LGT: Blue edge on RPT TWY leading onto APN.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 124.6 On Ground

**LOCAL TRAFFIC REGULATIONS**

EMERG and GEN HEL to park on southern edge of Bay 1. PN RQ if in group.

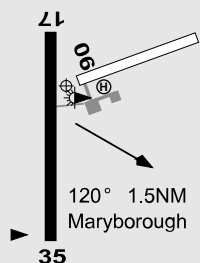
**CTAF 126.55****ADDITIONAL INFORMATION**

1. Bird hazard exists.
2. Model ACFT OPR WI 500M RAD of PSN 253340.2S 1524503.7E BRG 137 MAG 3.6NM FM Maryborough (YMYB) SFC to 1,000FT AGL.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3340.
2. Also refer to AIP Departure and Approach Procedures.

## ELEV 766



Trees in the vicinity of runway may impact the approach or departure of aircraft.

WAC 3469.

**ELEV 136**

**AVFAX CODE 8020**

NT 162636S 1360436E UTC +9:30 YMHU  
VAR 4 DEG E CERT  
AD OPR McArthur River Mining Pty Ltd, PO Box 36821,  
Winnellie, NT, 0821. ARO 08 8975 8138: 0447 785 408:  
Fax 8975 8143. Fax 08 8975 8156.

1. Restricted OPS: 24HR PPR FM AD OPR.
2. AD Charges apply. Landing fees are payable by EFTPOS only.
3. This AD is a Security Controlled Airport.
4. AD OPR CTC times daily BTN 2030-1030 UTC. Other times EMERG call-out only.

AVGAS and JET A1 AVBL. Contact ARO. Payment is by EFTPOS only (no carnet or other membership cards accepted).



**AERODROME OBSTACLES**

1. Cranes 278FT AMSL WI 300M RAD of conveyor antenna (marked and lit) BRG 048 MAG 1NM FM ARP.
2. Mobile machinery 176FT AGL BRG 049 MAG 1.3NM FM ARP infringes OLS by 28FT.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT D, METAR/SPECI.
2. AWIS Phone 08 7922 2510 - Report faults to AD OPR.
3. AWIS FREQ 133.250 - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

06/24 065 82a PCN 35 /F /D /1100 (160PSI) /T WID 30 RWS 150

**AERODROME AND APPROACH LIGHTING**

RWY 06/24 LIRL PAL 120.65 SDBY PWR AVBL  
RWY 06/24 PAPI PAL 120.65 3.0 DEG49FT SDBY PWR AVBL

1. HJ selection of PAL will only activate PAPI.
2. RWY LGT operate only from twilight or when poorer light levels exist.
3. PPR for lighting from AD OPR.

**OTHER LIGHTING**

ABN ALTN 6 WG  
SDBY PWR AVBL on 30 SEC response.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 128.5 Circuit Area

**LOCAL TRAFFIC REGULATIONS**

1. Parking limited for ACFT ABV 5,700 KG MTOW.
2. ACFT ABV 5,700KG MTOW must carry out 180DEG turns at RWY ends only.

**FLIGHT PROCEDURES**

Right hand circuits RQ when OPR on RWY 06.

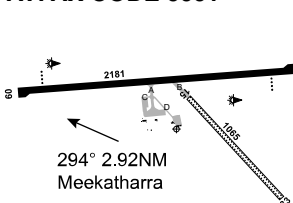
**CTAF - AFRU** 126.7

**ADDITIONAL INFORMATION**

1. Blasting D242 SFC - 650FT AMSL. 0100-0200 UTC DLY, 0500-0600 UTC DLY or as amended by NOTAM.
2. Bird Hazard exists mainly Australian bustard and pink crested galah.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3221.
2. Also refer to AIP Departure and Approach Procedures.

**MEEKATHARRA****ELEV 1696****AVFAX CODE 6601**

WA  
263642S 1183252E UTC +8 YMEK  
VAR 1 DEG E CERT  
AD OPR Shire of Meekatharra, PO Box 129, Meekatharra, WA,  
6642. Email: executive@meekashire.wa.gov.au.  
ARO Email: airportmgr@meekashire.wa.gov.au  
PH 24HR 0417 968 115. Council PH BH 08 9980 0600.

**REMARKS**

1. AD charges: All ACFT, non VH registered ACFT are to pay LDG fees to the AD Manager via EFTPOS on arrival.
2. This AD is a Security Controlled Airport.
3. Only Telstra mobile coverage AVBL.

**HANDLING SERVICES AND FACILITIES**

AIR BP: 2300-1000 UTC JO, JF HO/OR, AH 20 MIN PN (JET A1 underwing only), AH call-out fee applies. Phone 0417 968 115. JET A1 underwing only.  
Cardswipe self serve bowser H24 AVGAS and JET A1 overwing.

METEOROLOGICAL INFORMATION PROVIDED

- 1. TAF CAT C, METAR/SPECI.
- 2. AWIS Phone 08 6216 2626 - Report faults to BoM.
- 3. AWIS FREQ 120.45 - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

|       |     |     |                                      |        |         |
|-------|-----|-----|--------------------------------------|--------|---------|
| 09/27 | 084 | 72a | PCN 18 /F /A /800 (116PSI) /T Sealed | WID 30 | RWS 150 |
| 15/33 | 138 | 35c | 5700/448 (65PSI) Unrated. Gravel     | WID 30 | RWS 90  |

AERODROME AND APPROACH LIGHTING

|           |         |                             |               |
|-----------|---------|-----------------------------|---------------|
| RWY 09/27 | LIRL(1) | AFRU+PAL 126.55             | SDBY PWR AVBL |
| RWY 09/27 | PAPI    | AFRU+PAL 126.55 3.0 DEG48FT | SDBY PWR AVBL |

- (1) PAL activates all LIRL HN.
- 1. HJ selection of PAL will only activate PAPI.
- 2. RWY LGT operate only from twilight or when poorer light levels exist.
- 3. RWY edge light spacing: 60M.
- 4. IWI will activate on PAL. Only primary IWI will flash in last 10MIN of 60MIN cycle.

OTHER LIGHTING

- 1. Secondary PWR switchover time: 45 SEC.
- 2. TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

|     |                  |                 |
|-----|------------------|-----------------|
| FIA | MELBOURNE CENTRE | 122.6 On Ground |
|-----|------------------|-----------------|

RADIO NAVIGATION AND LANDING AIDS

|     |                      |            |           |            |                   |
|-----|----------------------|------------|-----------|------------|-------------------|
| DME | MEK                  | 112.9/ 76X | 263625.4S | 1183156.3E | (2)               |
| NDB | MEK                  | 251        | 263656.0S | 1183224.6E | Range 120 (HN 80) |
| VOR | MEK                  | 112.9      | 263625.3S | 1183157.0E | (1)               |
| (1) | 110/1.1 to ARP       |            |           |            |                   |
| (2) | Antenna ELEV 1717FT. |            |           |            |                   |

LOCAL TRAFFIC REGULATIONS

- 1. ACFT ABV 5,700KG MTOW must use turning nodes for 180 DEG turns RWY 09/27.
- 2. ACFT BLW 5,700KG MTOW are requested to use MAX RAD MNM speed turns to avoid pavement damage.
- 3. If Bay 1 on main APN is occupied access to AVGAS fuelling FAC is via GA PRKG area.
- 4. If Bay 1 is vacant all HEL requiring fuel shall taxi to or land on the designated helipad in centre of APN.
- 5. Fuelling Bay 1 MAX 90 MIN PRKG up to F100. AVBL H24.
- 6. GA PRKG area restricted to ACFT with wingspan less than 15M. 3 x tie-down points not rated.
- 7. TWY B MAX wingspan 24M.
- 8. TWY C MAX wingspan 18M.
- 9. TWY D is restricted to RFDS aircraft only.
- 10. PRKG Bays 1 and 3 on main APN AVBL for night use.
- 11. Bay 2 day use only up to F100, no overnight PRKG AVBL.
- 12. Bay 3 up to B1900/EMB120. AVBL H24.
- 13. Bay 4 up to B1900. Due insufficient LGT ACFT movements restricted to daylight hours only. Overnight parking AVBL.
- 14. ACFT operating on RWY 15/33 broadcast intentions to access RWY 09/27 via TWY B then TWY A to APN or TWY C to GA PRKG area.
- 15. Bay 5, 5A, 6, 6A and 7 restricted to RFDS ACFT only via TWY D.

CTAF - AFRU 126.55

ADDITIONAL INFORMATION

Weather balloon launch APRX 2315 UTC FM 1KM WSW ARP. Launches may occur at other times.

CHARTS RELATED TO THE AERODROME

- 1. WAC 3346.
- 2. Also refer to AIP Departure and Approach Procedures.

**MELBOURNE****ELEV 434****AVFAX CODE 3001**

VIC

374024S

1445036E

UTC +10

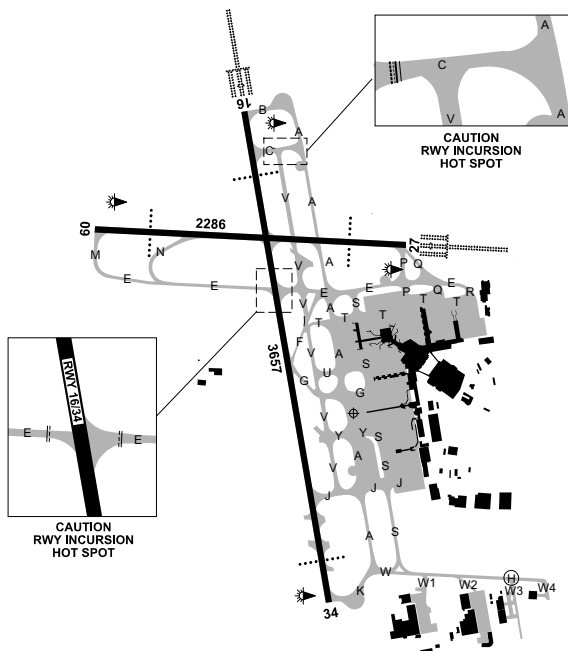
VAR 12 DEG E

YMMML

CERT

AD OPR Australia Pacific Airports (Melbourne) Pty Ltd, Locked Bag 16, Tullamarine, VIC, 3043.

PH 03 9297 1600. Fax 03 9297 1886.

**REMARKS**

1. AD Charges: All ACFT.
2. This AD is a Security Controlled Airport.
3. Pavement concessions to be assessed by AD OPR for in excess of published PCN 102.
4. AD operates as public.

**HANDLING SERVICES AND FACILITIES**

BP: phone 0499 246 313.

Mobil: phone 03 8346 6901.

VIVA: 1900-1600 UTC DLY. Phone 03 9338 7156. JET A1 only.

Skytanking: 0500-0000 UTC DLY. Phone 0439 000 021. JET A1.

Melbourne Jet Base (MJB) - Full FBO services and VIP facilities for ACFT up to 400,000KG. H24 with 2HR PN for Civil and MIL ACFT up to 50,000KG. Short/long-term hangarage (subject to availability) and apron PRKG AVBL on private apron, direct ACFT and vehicle access. Over the counter Customs, Immigration and Quarantine available H24 with PN. Apron Hangar located off W2. Phone +61 3 8370 9640. Email: ops@melbournejetbase.com.au or shane.collings@melbournejetbase.com.au. VHF 129.75 CS 'Melbourne Jet Base'.

**General**

AD OPR does not provide ACFT marshalling services. All requests for ACFT marshalling should be directed to the airlines or FBO (if applicable).

**RESCUE AND FIREFIGHTING SERVICES**

1. CAT 9.
2. 131.0 MHz AVBL H24. Request via ATC.

## APRONS AND TAXIWAYS

1. Terminal 1 apron area BTN pier B and C, not AVBL to ACFT ABV 47.6M wingspan.
2. Terminal 3 apron area BTN pier E and F, not AVBL to ACFT ABV 60.3M wingspan.
3. RUNWAY INCURSION HOTSPOT  
RWY 16/34 and TWY E.

## SURFACE MOVEMENT GUIDANCE

RWY touchdown zone and fixed distance markings on RWY 16/34 and RWY 09/27.

## AERODROME OBSTACLES

1. RVR transmissometers (unlit) (frangible) within RWS all RWY, 14FT AGL.
2. RWY 27 HIAL 409FT AMSL BRG 013 DEG MAG 1,343M FM ARP. Infringes RWY 09 TKOF SFC by 2FT.
3. RWY 16 HIAL 440FT AMSL BRG 331 DEG MAG 2,540M FM ARP. Infringes RWY 24 TKOF SFC by 3FT.
4. IWI (unlit) 431FT AMSL BRG 301 DEG MAG 2,378M FM ARP. Infringes transitional SFC by 4FT.
5. GP Apparatus (lit):
  - a. Tower 450FT AMSL BRG 352 DEG MAG 1,409M FM ARP. Infringes transitional SFC by 42FT.
  - b. Aerial 421FT AMSL BRG 353 DEG MAG 1,410M FM ARP. Infringes transitional SFC by 14FT.
  - c. Tower 475FT AMSL BRG 324 DEG MAG 2,034M FM ARP. Infringes transitional SFC by 49FT.
  - d. Aerial 443FT AMSL BRG 324 DEG MAG 2,154M FM ARP. Infringes transitional SFC by 15FT.
6. DME antenna (lit) 434FT AMSL BRG 344 DEG MAG 1,476M FM ARP. Infringes transitional SFC by 2FT.
7. BLDG (lit) 424FT AMSL BRG 320 DEG MAG 1,697M FM ARP. Infringes transitional SFC by 9FT.
8. Control TWR (lit) 582FT AMSL BRG 280 DEG MAG 1,292M FM ARP. Infringes inner horizontal SFC by 70FT.
9. Antennas (lit):
  - a. 759FT AMSL BRG 038 DEG MAG 3,544M FM ARP. Infringes inner horizontal SFC by 242FT.
  - b. 562FT AMSL BRG 054 DEG MAG 3,482M FM ARP. Infringes inner horizontal SFC by 45FT.
10. Radio mast (lit) 1,000FT AMSL BRG 213 DEG MAG 7,406M FM ARP. Infringes outer horizontal SFC by 139FT.
11. Towers (lit):
  - a. 619FT AMSL BRG 312 DEG MAG 5,570M FM ARP. Infringes inner horizontal SFC by 103FT.
  - b. 643FT AMSL BRG 312 DEG MAG 5,723M FM ARP. Infringes conical SFC by 67FT.
12. Spire (lit) 524FT AMSL BRG 327 DEG MAG 3,636M FM ARP. Infringes transitional SFC by 7FT.
13. Stockpiles:
  - a. Unlit, 679FT AMSL BRG 308 DEG MAG 7,247M FM ARP. Infringes conical SFC by up to 26FT.
  - b. Lit, 829FT AMSL BRG 352 DEG MAG 6,807M FM ARP. Infringes conical SFC by up to 223FT.

14. Temporary obstacles (trees):
- 442FT AMSL BRG 018 DEG MAG 1,628M FM ARP. Infringes transitional SFC by 7FT.
  - 439FT AMSL BRG 031 DEG MAG 1,505M FM ARP. Infringes RWY 09 TKOF SFC by 1FT.
  - 438FT AMSL BRG 022 DEG MAG 1,619M FM ARP. Infringes RWY 27 APCH SFC by 4FT.
  - 463FT AMSL BRG 291 DEG MAG 3,242M FM ARP. Infringes RWY 27 TKOF SFC by 4FT.
  - 359FT AMSL BRG 176 DEG MAG 1,957M FM ARP. Infringes RWY 16 TKOF SFC by 1FT.
  - 369FT AMSL BRG 176 DEG MAG 2,049M FM ARP. Infringes RWY 34 APCH SFC by 1FT.
  - 374FT AMSL BRG 178 DEG MAG 2,033M FM ARP. Infringes RWY 34 APCH SFC by 8FT.
  - 384FT AMSL BRG 185 DEG MAG 1,548M FM ARP. Infringes transitional SFC by 3FT.
  - 553FT AMSL BRG 328 DEG MAG 3,683M FM ARP. Infringes transitional SFC by 27FT.
  - 505FT AMSL BRG 329 DEG MAG 3,518M FM ARP. Infringes RWY 16 APCH SFC by 2FT.
  - 500FT AMSL BRG 327 DEG MAG 3,163M FM ARP. Infringes transitional SFC by 8FT.
  - 451FT AMSL BRG 306 DEG MAG 2,206M FM ARP. Infringes transitional SFC by 6FT.
  - 538FT AMSL BRG 325 DEG MAG 3,092M FM ARP. Infringes inner horizontal SFC by 21FT.
  - 534FT AMSL BRG 325 DEG MAG 3,005M FM ARP. Infringes inner horizontal SFC by 17FT.
  - 542FT AMSL BRG 324 DEG MAG 3,012M FM ARP. Infringes inner horizontal SFC by 25FT.
  - 535FT AMSL BRG 323 DEG MAG 2,899M FM ARP. Infringes inner horizontal SFC by 18FT.
  - 513FT AMSL BRG 325 DEG MAG 3,007M FM ARP. Infringes inner horizontal SFC by 4FT.
  - 521FT AMSL BRG 324 DEG MAG 2,772M FM ARP. Infringes inner horizontal SFC by 5FT.
  - 515FT AMSL BRG 324 DEG MAG 2,859M FM ARP. Infringes inner horizontal SFC by 2FT.
  - 538FT AMSL BRG 326 DEG MAG 3,320M FM ARP. Infringes inner horizontal SFC by 22FT.
  - 549FT AMSL BRG 323 DEG MAG 3,106M FM ARP. Infringes inner horizontal SFC by 33FT.
  - 549FT AMSL BRG 328 DEG MAG 3,697M FM ARP. Infringes inner horizontal SFC by 33FT.
  - 535FT AMSL BRG 326 DEG MAG 3,580M FM ARP. Infringes inner horizontal SFC by 19FT.
  - 563FT AMSL BRG 325 DEG MAG 3,344M FM ARP. Infringes inner horizontal SFC by 47FT.

### METEOROLOGICAL INFORMATION PROVIDED

- TAF CAT A, METAR/SPECI, TAF3 H24, AD WRNG, WS WRNG.
- MET INFO AVBL FM Airservices Pilot Briefing. Elaborative briefing FM MWO 03 9669 4850.
- AWIS PH 03 8470 3214 - Report faults to BoM.

### PHYSICAL CHARACTERISTICS

- |       |     |      |                                          |        |         |
|-------|-----|------|------------------------------------------|--------|---------|
| 09/27 | 083 | 75a  | PCN 102 /F /C /1750 (254PSI) /T Grooved. | WID 45 | RWS 300 |
| 16/34 | 160 | 120a | PCN 102 /F /C /1750 (254PSI) /T Grooved. | WID 60 | RWS 300 |
- Concrete ends RWY 16, 27 and 34.
  - OFZ exists on all RWY.

**AERODROME AND APPROACH LIGHTING**

|           |                 |             |               |
|-----------|-----------------|-------------|---------------|
| RWY 09/27 | MIRL            |             | SDBY PWR AVBL |
| RWY 09/27 | PAPI(5)         | 3.0 DEG74FT | SDBY PWR AVBL |
| RWY 27    | HIAL-CAT II(4)  |             | SDBY PWR AVBL |
| RWY 27    | HIAL-CAT III(4) |             | SDBY PWR AVBL |
| RWY 27    | HIRL            |             | SDBY PWR AVBL |
| RWY 27    | RCLL            |             | SDBY PWR AVBL |
| RWY 27    | RTZL            |             | SDBY PWR AVBL |
| RWY 16/34 | HIRL            |             | SDBY PWR AVBL |
| RWY 16/34 | PAPI(5)         | 3.0 DEG74FT | SDBY PWR AVBL |
| RWY 16/34 | RCGL            |             | SDBY PWR AVBL |
| RWY 16/34 | RCLL            |             | SDBY PWR AVBL |
| RWY 16    | HIAL-CAT II(3)  |             | SDBY PWR AVBL |
| RWY 16    | HIAL-CAT III(3) |             | SDBY PWR AVBL |
| RWY 16    | RTZL            |             | SDBY PWR AVBL |
| RWY 34    | HSL(1)          |             | SDBY PWR AVBL |
| RWY 34    | RTIL(2)         |             | SDBY PWR AVBL |

- (1) Landing RWY 34 the Hold Short Line is marked with red and white runway Intersection Signs and is indicated by six occulting white flush fitted lights across RWY 34.
- (2) RTIL installed to aid RWY ident.
- (3) Associated SFL 600M. Not AVBL when cloud base is greater than 1000FT AGL and VIS greater than 5000M.
- (4) Associated SFL 420M. Not AVBL when cloud base is greater than 1000FT AGL and VIS greater than 5000M.
- (5) Both sides coincide with RWY Aim Point Markings.
1. **ALS type and length**
  - a. RWY 16 - barrette CL: 900M.
  - b. RWY 27 - barrette CL: 720M.
2. RCLL: full length of RWY, white in colour at 15M spacing to a point of 900M FM RWY end, thence alternating red/white to a point of 300M FM RWY end, thence red in colour.
3. HIRL: RWY edge light spacing full length of RWY, white in colour at 60M spacing to a point of 600M FM RWY end, thence yellow in colour.
4. RCGL: RWY edge light spacing full length of RWY, white in colour at 60M spacing.
5. MIRL: RWY edge light spacing full length of RWY, white in colour at 60M spacing.
6. RWY threshold lighting is green in colour and is supplemented by wingbars on RWY 16/34 only.
7. RWY end lighting is red in colour and not supplemented by wingbars.
8. RTZL extends 900M FM threshold.
9. RWY 09/27 MIRL may be partially obscured when downwind RWY 09.
10. Stopbars and Runway Guard Lights (RGL) at all RWY/TWY intersections.

**OTHER LIGHTING**

- ABN                      ALTN 10 WG                      H24. Located top of ATC TWR.
1. Secondary PWR switchover time: 1 SEC during LVP; 15 SEC OT.
  2. **TWY LIGHTING**
    - 2.1. G centre line lights on all TWY.
    - 2.2. Where RQ yellow intermediate holding point lighting.

**ATS AND AERODROME COMMUNICATION FACILITIES**

|        |                      |                     |
|--------|----------------------|---------------------|
| ACD    | MELBOURNE DELIVERY   | 127.2               |
| APP    | MELBOURNE APPROACH   | 132.0               |
| ATIS   | MELBOURNE ATIS       | 114.1 118.0         |
| DEP    | MELBOURNE DEPARTURES | 118.9 (2) 129.4 (3) |
| SMC    | MELBOURNE GROUND     | 121.7               |
| TWR    | MELBOURNE TOWER      | 120.5               |
| VOLMET | AUSTRALIA            | 6676 (1) 11387 (1)  |

- (1) H24, BCST 00 - 05 & 30 - 35. Refer AIP GEN 3.5.
- (2) Routes 264 radial through N to 092 radial.
- (3) Routes 263 radial through S to 093 radial.

**RADIO NAVIGATION AND LANDING AIDS**

|      |      |                    |           |            |     |
|------|------|--------------------|-----------|------------|-----|
| GBAS | G09A | CH 21118 (RWY09)   | 374005.7S | 1444959.1E | (6) |
| GBAS | G16A | CH 21940 (RWY16)   | 374005.7S | 1444959.1E | (6) |
| GBAS | G27A | CH 21529 (RWY27)   | 374005.7S | 1444959.1E | (6) |
| GBAS | G34A | CH 20707 (RWY34)   | 374005.7S | 1444959.1E | (6) |
| DME  | IMS  | 109.7/ 34X (RWY16) | 373924.1S | 1445001.2E | (3) |
| GP   | IMS  | 333.2 (RWY16)      | 373924.1S | 1445001.5E |     |
| ILS  | IMS  | 109.7 (RWY16)      | 374119.1S | 1445029.5E | (4) |
| LOC  | IMS  | 109.7 (RWY16)      | 374119.1S | 1445029.5E |     |
| DME  | IMW  | 109.3/ 30X (RWY27) | 373938.2S | 1445040.4E | (5) |
| GP   | IMW  | 332 (RWY27)        | 373938.5S | 1445040.3E |     |
| ILS  | IMW  | 109.3 (RWY27)      | 373936.2S | 1444836.4E |     |
| LOC  | IMW  | 109.3 (RWY27)      | 373936.2S | 1444836.3E |     |
| DME  | ML   | 114.1/ 88X         | 373936.3S | 1445031.8E | (2) |
| VOR  | ML   | 114.1              | 373936.5S | 1445031.2E | (1) |

(1) Scalloping may occur beyond 50NM in sectors 270 to 290 DEG

(2) Antenna ELEV 399FT.

(3) Antenna ELEV 435FT.

(4) ILS RWY 16 Performance Classification III/E/4.

(5) Antenna ELEV 418FT.

(6) Between 50NM and 23NM from the GBAS site, GLS course deviation information is advisory only. Within 23NM from the GBAS site, GLS course deviation information is approved for the conduct of an Instrument Approach.

Other DME, ILS, MKR and no idents or ident XP, intermittently on test.

**LOCAL TRAFFIC REGULATIONS**

1. All aircraft must provide their parked position/gate number to ATC on acknowledgement of airways clearance.
2. All tugs and vehicles repositioning ACFT and/or equipment via the TWY must make initial CTC with Melbourne Delivery on 127.2 and state their originating bay/apron, destination bay/apron and aircraft type (if applicable). Melbourne Delivery will advise the tug or vehicle to monitor Ground on 121.7. Do not contact Ground, monitor only.
3. HEL must ARR and DEP from the RWY or TWY W HELIPAD. Exemptions may be provided by the Senior Airside Safety Officer, Car 2 0418 335 985.
4. Engine ground runs permitted - restrictions may apply. CTC Senior Airside Safety Officer, Car 2 0418 335 985.
5. For A380 ACFT DEP RWY 09/27 only, 10MIN PN must be given to ATC for all approvals.
6. Refer to *AIP DAP* for A380 and B748 for Aerodrome Ground Movement Charts.
7. **RESTRICTIONS DUE JET BLAST**

- a. ACFT operating on INTL, Domestic and Freight aprons are subject to the FLW limitations:
  - (i) Engine starts using more than idle power are prohibited, unless authorised by ATC at an approved location.
  - (ii) ACFT taxi to the terminal between INTL and DOM terminal piers and also only Bay H3 must use no more than idle power.
  - (iii) If ACFT with wingspan ABV 36M is stopped prior to docking on bays D3, D4, D5, D6, D8, D12, D13, D15 and on H1, H2 and H3 docking must be completed under tow.
  - (iv) ACFT with wingspan ABV 36M taxi to the terminal between INTL and DOM terminal piers and also only Bay H3 must not conduct single engine taxi due to clause (ii) and (iii).
  - (v) ACFT operating from all Terminal bays, are restricted to starting two engines not above idle prior to pushback. No other engine is to be started until ACFT is clear of aprons.
  - (vi) ACFT wingspan ABV 36M is stopped prior to docking on bays D7, D9, D10 and D11. ACFT may continue taxi onto bay at idle power only with the approval of the Senior Airside Safety Officer (Car 2).
  - (vii) To prevent jet blast issues on opposite ACFT parking bays, ACFT must hold on the TWY/TXL when Visual Docking Guidance System (VDGS) or marshaller is not AVBL. Once VDGS or marshaller is AVBL, ACFT may proceed onto bay.

- b. Pilots of A380 and B747 ACFT are to exercise caution when applying PWR on outboard ENG, whilst taxiing, to prevent erosion of TWY shoulders.
- c. All A380 ACFT taxiing to bays D13 and D15 must stop and shut down engines prior to turning onto the bay. ACFT must continue taxi under tow.
- d. Right turns from TWY T northbound onto TWY P, pilots are to exercise caution when applying power.

8. **TURNING**

- a. Left turns from TWY G Rapid Exit Taxiway (RET) into TWY V not AVBL to ACFT ABV 36M wingspan.
- b. Right turns from TWY V into TWY G (RET) not AVBL to ACFT ABV 36M wingspan.
- c. Right turns from TWY F (RET) into TWY V not AVBL to ACFT ABV 36M wingspan.
- d. Left turns from TWY V into TWY F (RET) not AVBL to ACFT ABV 36M wingspan.
- e. Right turns FM TWY E (via TWY R) into TWY T not AVBL to ACFT ABV 36M wingspan.
- f. Left turns FM TWY S into TWY W not AVBL to ACFT ABV 36M wingspan, unless under tow.
- g. Right turns FM TWY W into TWY S not AVBL to ACFT ABV 36M wingspan, unless under tow.
- h. Pilots of B777-300, A340-600, A340-500, A350-900, A350-1000 and type ACFT should exercise caution during turns as normal clearances to TWY edge may not be AVBL. Contact AD OPR for details of preferred taxi routes.
- i. Left turns FM TWY T into TWY S not AVBL to A380 ACFT right turns FM TWY S into TWY T not AVBL to A380 ACFT.

9. **TAXIWAY RESTRICTIONS**

- a. Any deviations from taxiway/taxilane centre lines is prohibited unless advised to ATC and the Senior Airside Safety Officer (Car 2) and approved by a company engineer in attendance during the manoeuvre.
- b. TWY S BTN TWY T and TWY U not AVBL to through TFC.
- c. TWY S BTN TWY U and TWY G not AVBL to through TFC ABV 36M wingspan. OPS under tow are permitted for ACFT wingspan ABV 36M and BLW 65M via TWY S between TWY G and TWY U.
- d. Pilots of A340-600 and B747-8 ACFT taxiing for Southern APN Bays H1, H2 and H3 must enter and exit the Southern APN via TWY J, or alternatively via TWY Y and TWY S.
- e. TWY T BTN TWY R and TWY Q restricted to MAX wingspan of 60.3M and MAX taxi speed of 5KT for ACFT greater than 36M.
- f. Taxilane Q not AVBL for ACFT ABV 36M wingspan.
- g. Restrictions of simultaneous use of TWY V extension and TWY F BTN TWY V and TWY A are as follows:
  - (i) Any ACFT taxiing southbound on TWY V and holding short of TWY F, restricts movements on TWY F between TWY V and TWY A to MAX Code C ACFT (A320/B737).
  - (ii) A Code C ACFT (A320/B737) taxiing northbound on TWY V and holding short of TWY E, restricts movements on TWY F BTN TWY V and TWY A to MAX Code E ACFT (A350/B777).
  - (iii) A Code E ACFT (A350/B777) taxiing northbound on TWY V and holding short of TWY E, restricts movements on TWY F BTN TWY V and TWY A to MAX Code C (A320/B737).

*Note: in points i-iii above there are no wingspan restrictions on an ACFT which vacate RWY 34 onto rapid exit TWY F and subsequently taxi onto TWY T.*

- h. TWY W east of W1 tow only to ACFT ABV 36M wingspan exemptions may be provided. CTC Senior Airside Safety Officer, Car 2 0418 335 985.
- i. TWY F not AVBL for ACFT ABV 5,700KG LDG RWY 16.
- j. TWY G not AVBL for ACFT ABV 5,700KG LDG RWY 34.
- k. Taxilane Golf has a single centre line to accommodate a MAX wingspan of 60.3M.
  - (i) ACFT arrival and departures for Northern Pier (Pier E) and Southern Pier (Pier F) will be via the Taxilane Golf single centre line.



- I. ACFT restrictions for TWY W are as follows:
  - (i) W1 tow only unless exemption provided. CTC Senior Airside Safety Officer, Car 2 0418 335 985.
  - (ii) W2 tow only to ACFT ABV 52M wingspan.
  - (iii) TWY W east of W2 tow only to ACFT ABV 36M wingspan.
  - (iv) W3 tow only unless exemption provided. CTC Senior Airside Safety Officer, Car 2 0418 335 985.
10. **PARKING**
  - a. Parking of itinerant ACFT must be approved by the Integrated Operations Centre, 03 9297 1624, Fax 03 9297 1652. Email: sacc@melair.com.au at least 24HR prior to ETA.
  - b. International Concourse Delta, when Visual Docking Guidance System (VDGS) or Advanced Visual Docking Guidance System (A-VDGS) is switched off, the screen reads "STOP STOP". This will remain illuminated until the VDGS is switched on.
  - c. ACFT must not continue docking if VDGS or A-VDGS is not activated or calibrated for their ACFT type unless a marshaller is present. If docking cannot proceed, hold PSN advise SMC.
11. **TRAINING, SURVEY AND AIRWORK FLIGHTS**
  - a. All ACFT planning practice instrument APCH (AVBL HR 2000-1300 UTC), survey or airwork WI the ML Terminal Airspace require prior ATC approval.
  - b. For training and airwork, pilots must contact the ML Traffic Manager on 03 9235 7337 to book a time slot. For ARR ACFT a request must be made to ML Centre by 120NM from Melbourne or on first contact for ACFT entering CTA within 120NM.
  - c. Training circuits are not permitted.
  - d. For survey flights, pilots must contact the ML Traffic Manager on 03 9235 7337 to discuss the planned operation prior to becoming airborne. Operations WI the lateral confines of the ML CTR should be conducted ABV A060. Lower altitudes may not be AVBL or will incur extensive delays. Preferred operating times for extended surveys are SAT afternoon and SUN morning.

## **FLIGHT PROCEDURES**

### **1. ESTIMATED AIRBORNE TRAFFIC DELAYS**

#### **1.1. For ARR ACFT**

- a. May be expected due to terminal area traffic density and/or single RWY operations:
  - (i) MON-FRI 2100-0000 UTC and 0600-1100 UTC: 20MIN
  - (ii) SAT 2100-0000 UTC: 20MIN
  - (iii) SUN 0600-1100 UTC: 20MIN
  - (iv) DLY 0000-0600 UTC: 10 MIN

*Note: All times 1HR earlier during HDS. Actual holding times may differ from holding estimates. Historical data on actual holding is available from the NOMC.*

### **2. ATC TRAFFIC MANAGEMENT SPEED**

When **not** on a SID or STAR (including vectoring) - ACFT ARR or DEP ML must not exceed 250KT IAS when BLW 10,000FT AMSL. Advise ATC if a higher speed is operationally required.

### **3. ARRIVAL PROCEDURES**

By day, ATC may use 2,400M RWY separation between ACFT ARR to RWY 16/34. Both ACFT may occupy the RWY during application of the standard.

### **4. DEPARTURE PROCEDURES**

Start clearance is required by ACFT DEP Melbourne for:

- a. Essendon or Moorabbin; or
- b. Practice instrument approach prior to DEP; or
- c. AWK in terminal area.

**5. HELICOPTER ACCESS CORRIDOR**

'The Sunbury Corridor' established within 1NM either side of a line between SWT and Melbourne RWY 16/34 - 09/27 intersection. Vertical limit SFC - 2,000FT AMSL. The corridor includes a VFR tracking point, Powerline Crossing (PWLC). Refer to Melbourne VTC. Corridor available HJ subject to weather, Melbourne TWR workload and traffic disposition. To request the Sunbury Corridor contact:

- a. Northbound - Essendon ground or TWR.
- b. Southbound - Melbourne TWR approaching SWT.

When operating in the corridor turn on landing lights. If required to hold at PWLC helicopters should hover. Do not orbit unless instructed by ATC.

**6. LOW VISIBILITY OPERATIONS**

- 6.1. For CASA APV operators, RWY 16 and RWY 27 are capable of supporting low VIS take-offs without limit, however only:

- a. RWY 16 and 27 are normally used for low VIS departures; and
- b. RWY 16 is capable of supporting localiser guided takeoffs.

*Note: Flight crew must inform ATC at start up about an intention to conduct a takeoff that requires localiser guidance.*

- 6.2. Access to RWY 27 is via TWY P or TWY Q. Access to RWY 16 is via TWY B. Intersection departures are not permitted.

- 6.3. RWY 16 is the arrival RWY for low VIS operations and is capable of supporting Category II and III approaches.

- 6.4. Approved TWY exits are TWY G, TWY J and TWY K

- 6.5. The following TWY are NOT suitable for use in RVR conditions of less than a value of 350M:

- a. TWY T between TWY P and TWY R.
- b. TWY S between TWY Y and TWY J.
- c. TWY W east of TWY S.

- 6.6. All TWY are suitable for use in conditions of greater than RVR 350M.

- 6.7. Refer to *AIP DAP* for Aerodrome Ground Movement Charts.

**7. LOW VISIBILITY PROCEDURES**

- 7.1. Preparations for the initiation of Low Visibility Procedures (LVP) are commenced when VIS has reduced to 1,000M and/or the cloud ceiling is at or below 500FT and is further reducing or VIS on any part of the AD is insufficient to exercise control on the basis of visual surveillance. LVP initiation may occur earlier if conditions deteriorate rapidly.

- 7.2. When RVR is at or below 550M (less than 800M if RVR not AVBL) or when the cloud ceiling is at or below the CAT I minima, the ILS critical and sensitive areas are protected and 'LOW VISIBILITY PROCEDURES IN FORCE' is declared.

- 7.3. LVP are progressively lifted when the cloud ceiling is above the CAT I minima and the visibility reaches 850M and is increasing.

- 7.4. In the event of failure of RVR equipment, RWY visibility assessments will be provided.

- 7.5. ATC uses Advanced Surface Movement Guidance Control System (A-SMGCS) to monitor ACFT and vehicles on the Manoeuvring Area.

- 7.6. If A-SMGCS is unserviceable during LVP:

- a. ATC will further restrict operations on the Manoeuvring Area.
- b. Position reporting procedures may be implemented.

**8. FOLLOW ME SERVICE**

- 8.1. Flight Crew must notify ATC if a 'Follow Me' service is required.

**9. LAND AND HOLD SHORT OPERATIONS (LAHSO)**

- 9.1. LAHSO is used at Melbourne. See the YMML RDS for 'LDA for LAHSO' information.

- 9.2. In the event of a go-around, ATC may assign an avoiding action turn to either ACFT.

- 9.3. A turn commenced at the minimum turn HGT for the ACFT, together with a climb at normal go-around climb rates, will provide adequate OBST clearance.

**10. RWY 09 ARRIVALS AND RWY 16 DEPARTURES SIMULTANEOUS OPERATIONS**

- 10.1. Simultaneous operations will be conducted with ACFT landing on RWY 09 and departing on RWY 16 from TWY E (370M FM RWY INT).

**11. GROUND DELAY PROGRAM (GDP)****11.1. Inbound**

- a. Melbourne GDP are applicable to all fixed wing, non priority flights departing from all Australian domestic airports, and arriving at Melbourne BTN 2000-1400 UTC DLY (1HR earlier during HDS).
- b. Except as specified in the Note below, flights from all Australian airports are required to operate in accordance with COBT. The COBT can be obtained through their company or the NOMC Phone: 1800 020 626^.

*Note: COBT generated by Perth Departure Management Program will take precedence over COBT generated by the Melbourne Arrivals GDP.*

- c. Flights departing within a 60NM radius of Melbourne must also obtain a start clearance from the departure airport when active or from Melbourne ATC Phone: 03 9235 7337^
- 11.2. Outbound.**  
ACFT departing Melbourne AD for an Australian Airport with a GDP must contact ACD 127.2 after receiving an Airways Clearance and prior to start. ACD will check compliance with COBT before transferring to SMC 121.7.

**12. CLEARANCE AND PUSHBACK PROCEDURES**

When nominated on the ATIS all departures requiring a pushback must call ACD on 127.2 with their request. ACD will instruct flightcrew to "MONITOR GROUND" or "MONITOR GROUND ON 121.7". When clearance is AVBL "Melbourne Ground" (SMC) will issue the pushback clearance or other instruction.

**NOISE ABATEMENT PROCEDURES**

Noise Abatement Procedures (NAP) apply. Refer AIP DAP.

**ADDITIONAL INFORMATION**

1. Wildlife hazard exists.
  - a. The following species are present all year round:
    - (i) Australian magpies - may transit across RWS.
    - (ii) Rainbow lorikeet – may transit E end of the aerodrome.
    - (iii) Wedge-tailed eagles during HJ in thermal above N and W ends of the aerodrome.
    - (iv) Ibis and ducks following MOD RA, TS and adverse WX.
    - (v) Little raven – flocks may forage inside RWS.
    - (vi) Feral pigeon - may transit across south end of aerodrome.
  - b. A seasonal increase in the numbers of the following species can be EXP:
    - (i) Common starling – increase EXP within 2 hours of first and last light, BTN JAN and JUL. Transit across east end of RWY 27.
    - (ii) Galah and corella BTN SEP to NOV – may transit across RWS.
    - (iii) Grey-headed flying-fox during HN. Increase EXP BTN JAN and APR.
2. Security screening is required for all passengers from all passenger ACFT, irrespective of size, departing from any of the Domestic, International or Freight Apron areas at Melbourne Airport. A charge is applicable for this service and a schedule of charges can be obtained from the Aerodrome Operator on 03 9297 1024. Any queries should also be directed to the Aerodrome Operator on the same number.
3. ACFT carrying Dangerous Goods Class 1 explosives require approval from AD OPR at least 48HR prior to ETA.
4. Model ACFT OPR WI 500M RAD of PSN 374042.1S 1444723.1E BRG 251 MAG 2.4NM FM ARP. SFC to 300FT AGL.
5. Blasting may occur BRG 353 DEG MAG 3.6NM FM ARP. SFC to 500FT AGL. Blasting times are coordinated with ATC.
6. Weather balloon launch APRX 2315 and 1115 UTC FM 400M WSW ARP. Launches may occur at other times.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3469, 3470.
2. Aerodrome Obstruction Chart Type A: June 2024.
3. Aerodrome Obstruction Chart Type B: July 2009.
4. Precision Approach Terrain Charts AVBL from AD OPR.
5. Also refer to AIP Departure and Approach Procedures.

**MELBOURNE/ESSENDON****ELEV 282****AVFAX CODE 3002**

VIC

UTC +10

YMEN

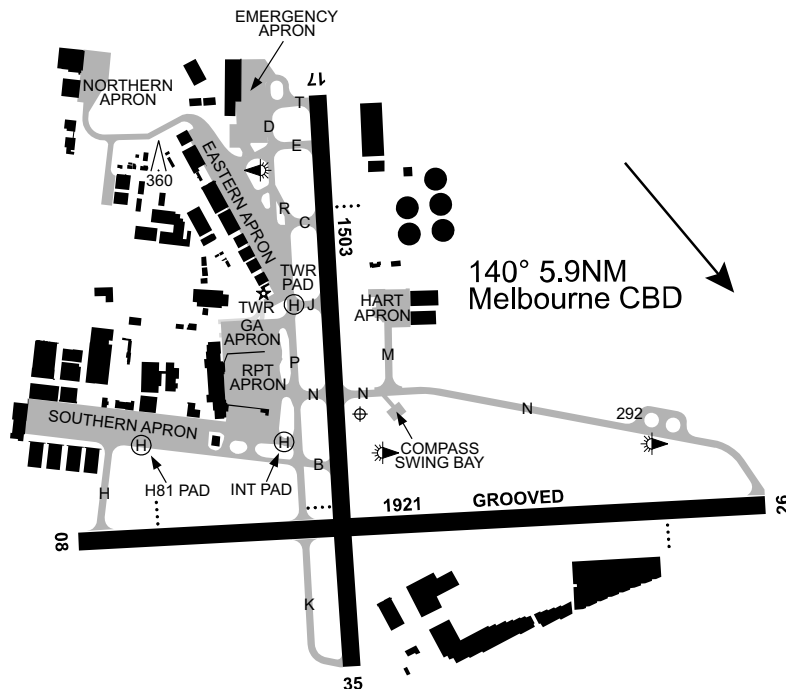
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VAR 12 DEG E

CERT

AD OPR Essendon Airport Pty Ltd, Essendon Fields House, Level 2, 7 English Street, Essendon Airport, VIC, 3041. Email: aviation@ef.com.au. PH 03 9948 9300. PH Airport Operations Officer 0418 335 549. Website: www.ef.com.au.

**REMARKS**

1. AD Charges: refer to website for fees and Conditions of Use or CTC AD OPR.
2. This AD is a Security Controlled Airport, ASIC requirements apply.
3. Aero crossings planned BTN (Local): 0700-2200 are to be booked a MNM of 60MIN in advance with ARO. Aero crossings planned BTN 2200-0600 are to be booked with 24HR PN with ARO. Crossings BTN 0600-0700 should be booked before 2200 (previous day). CTC Airport Operations Officer.
4. Persons unfamiliar with AD and airside access procedures should CTC Airport Operations Officer BTN 0600-2200 Local to obtain location briefing prior to ACFT departure to Essendon.

## HANDLING SERVICES AND FACILITIES

Aerofuels Essendon - World Fuel Services and Viva Energy Aviation: JET A1 and AVGAS 100LL - 24HR 7 Days, Phone 03 9379 1518, VHF 129.9 - CS Refuel "AVGAS" or "JET".

Carnet, V and MC.

Melbourne Corporate Jet Centre - FBO: H24 with 2HR PN. Phone 03 9094 3759, Email fbo@acjc.com.au VHF 129.625 CS "MCJC BASE". Full FBO service to CIVIL and MIL ACFT up to 50,000KG including facilitation of Customs/AQIS with PN. Short/Long term parking and hangarage available.

Platinum Business Aviation Centre - full FBO services and VIP lounge. H24 with 2HR PN for all CIVIL and MIL ACFT up to 50,000KG. Short/Long term hangarage AVBL and PRKG on private APN. Direct airside and VIP vehicle access to ACFT. Full Customs, Immigration and Quarantine over the counter facilitation AVBL with PN. Phone OPS 24/7 +61 499 400 333 or +61 3 9101 9300 Email: ymen@platinumbac.com, VHF 133.975 Callsign "Platinum Essendon Fields".

EXECUJET - Full FBO services, VIP lounge and maintenance. H24. Short/long term hangarage and PRKG AVBL, direct and airside vehicle access AVBL - hangar located end TWY H RWY 08. Customs, Immigration and Quarantine AVBL with PN. Phone +61 3 9937 2000.

Email: fbo.ymen@execujet.com.au VHF 131.1 Callsign 'Execujet Essendon'.

Sharp Airlines - Phone 03 9374 3987 or 0422 366 151. Email operations@sharpairlines.com.au. VHF 127.47 - Callsign 'Sharp Essendon'. H24 with 2HR PN. Can arrange WC and watering servicing. Full FBO services to ACFT up to 50,000KG, passenger terminal and facilities, catering, parking and Customs/AQIS with PN.

Shortstop Jet Charter - Full FBO services and facilities. H24 with 2HR PN for all aircraft up to 50,000KG. Phone 03 9379 9299. Email: operations@shortstop.com.au. VHF 135.95 Callsign 'Shortstop Operations'.

Craddock Aviation - AIR BP, H24 DLY. Phone 03 9094 4720, 0428 569 734,

Email: mebstaff@craddockaviation.com.au. AH 0428 569 734. Radio FREQ 131.375MHz. Call-out fee may apply to non-contracted customers, JET A1.

### General

The AD OPR does not provide ACFT marshalling services. All requests for ACFT marshalling should be directed to the airlines or FBO.

### PASSENGER FACILITIES

TX/HC/BU/LG/RF/WC/AC (Hyatt Place).

### APRONS AND TAXIWAYS

1. PPR for parking on the RPT apron.
2. Bays 22-26 AVBL for RPT OPS up to Embraer 145 HN.

### SURFACE MOVEMENT GUIDANCE

RWY 35 fixed distance and touch down zone markings displaced 33M to N.

### AERODROME OBSTACLES

1. Various permanent obstacles such as lit towers, poles and masts in take-off, approach and transitional surfaces.
2. Permanent obstacles such as buildings, transmission towers, phone towers, stadium, street and flood lights and aerals in inner horizontal and conical surface.
3. For information regarding temporary or other obstacles, refer to NOTAM and/or CTC AD OPR.

### METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT B, METAR/SPECI.
2. AWIS Phone 03 8470 3207 - Report faults to BoM.
3. AWIS FREQ 133.2 - Report faults to AD OPR.
4. MET INFO AVBL FM Airservices Pilot Briefing. Elaborative briefing FM MWO 03 9669 4850.

### PHYSICAL CHARACTERISTICS

|       |     |     |                                        |        |         |
|-------|-----|-----|----------------------------------------|--------|---------|
| 08/26 | 076 | 63a | PCN 25 /F /C /1400 (203PSI) /T Grooved | WID 45 | RWS 180 |
| 17/35 | 166 | 49a | PCN 29 /R /C /1400 (203PSI) /T         | WID 45 | RWS 150 |

Braking SFC friction variable due no grooving on concrete SFC BTN TWY H and RWY 08 THR.

AERODROME AND APPROACH LIGHTING

|           |                                                             |           |             |               |
|-----------|-------------------------------------------------------------|-----------|-------------|---------------|
| RWY 08/26 | HIRL                                                        |           |             | SDBY PWR AVBL |
| RWY 08/26 | MIRL(1)                                                     | PAL 124.1 |             | SDBY PWR AVBL |
| RWY 08/26 | PAPI(2)                                                     | PAL 124.1 | 3.0 DEG49FT | SDBY PWR AVBL |
| RWY 17/35 | PAPI(2)                                                     | PAL 124.1 | 3.0 DEG49FT | SDBY PWR AVBL |
| RWY 17    | MIRL(1)                                                     | PAL 124.1 |             | SDBY PWR AVBL |
| RWY 35    | MIRL                                                        | PAL 124.1 |             | SDBY PWR AVBL |
| (1)       | PAL only ACT outside TWR HR                                 |           |             |               |
| (2)       | Left side. PAL only ACT outside TWR HR                      |           |             |               |
| 1.        | RWY edge light spacing: 08/26: 58M, 17/35: 58M.             |           |             |               |
| 2.        | RWY guard lights (RGL) at all RWY/TWY intersections.        |           |             |               |
| 3.        | White lights of freeway 0.25NM S and parallel to RWY 08/26. |           |             |               |

OTHER LIGHTING

|     |                                        |
|-----|----------------------------------------|
| ABN | FLG 8 W                                |
| 1.  | Secondary PWR switchover time: 15 SEC. |
| 2.  | TWY LGT: Green CL.                     |

ATS AND AERODROME COMMUNICATION FACILITIES

|      |                                                                                     |                     |
|------|-------------------------------------------------------------------------------------|---------------------|
| APP  | MELBOURNE APPROACH                                                                  | 132.0               |
| ATIS | ESSENDON                                                                            | 119.8 (3)           |
| DEP  | MELBOURNE DEPARTURES                                                                | 118.9 (1) 129.4 (2) |
| SMC  | ESSENDON GROUND                                                                     | 121.9               |
| TWR  | ESSENDON TOWER                                                                      | 125.1               |
| (1)  | Routes 264 radial through N to 092 radial.                                          |                     |
| (2)  | Routes 263 radial through S to 093 radial.                                          |                     |
| (3)  | Outside TWR HR ATIS "Z" will be BCST with INFO regarding control service AVBL FM ML |                     |
|      | APP - refer Flight Procedures for OPS outside TWR HR.                               |                     |
| 1.   | TWR HR: 2000-1300 UTC DLY (1HR earlier during HDS). ATS H24.                        |                     |
| 2.   | Phone AACC 03 9235 7337^.                                                           |                     |

RADIO NAVIGATION AND LANDING AIDS

|     |                                                                                  |               |           |            |     |
|-----|----------------------------------------------------------------------------------|---------------|-----------|------------|-----|
| DME | IEN                                                                              | 109.9/ 36X    | 374347.0S | 1445438.2E | (3) |
|     |                                                                                  | (RWY26)       |           |            |     |
| GP  | IEN                                                                              | 333.8 (RWY26) | 374347.4S | 1445438.0E | (1) |
| ILS | IEN                                                                              | 109.9 (RWY26) | 374353.2S | 1445328.6E | (2) |
| LOC | IEN                                                                              | 109.9 (RWY26) | 374353.2S | 1445328.6E | (1) |
| (1) | Pilot Monitored outside TWR HR.                                                  |               |           |            |     |
| (2) | Incorrect course indication may be experienced EN RWY 26 LOC WI 10NM E of MONTY. |               |           |            |     |
|     | Cross check WI GNSS.                                                             |               |           |            |     |
| (3) | Antenna ELEV 261FT.                                                              |               |           |            |     |

LOCAL TRAFFIC REGULATIONS

1. GENERAL

a.

Parking restrictions may apply to ACFT over 5,700KG. Itinerant operators may obtain details from the AD Operations Officer 0418 335 549 prior to arrival.

b.

TWY J AVBL for exit only RWY 17/35.

c.

TWY J RESTR to daylight hours only and ACFT under 25,000KG.
2. AIRWORK WITHIN ML TERMINAL AREA

a.

All ACFT planning AWK WI ML Terminal Airspace require prior ATC approval.

b.

Pilots must contact the ML Traffic Manager on 03 9235 7337^ to book a time slot.

**3. INSTRUMENT APPROACH TRAINING**

- a. All ACFT planning practice instrument APCH (AVBL 2000-1100 UTC, 1HR earlier during HDS) RQ prior ATC approval. Pilots must book a slot online at [www.bookawk.com](http://www.bookawk.com). Airwork booking for the following days will not be taken until after 0800 UTC.
  - b. Practice instrument approaches with circling or overshoot are restricted to ACFT below 30,000KG MTOW.
  - c. Pilots are to ensure accurate compliance with missed approach instructions issued by TWR controllers. Due to the proximity of ML AD, varying break-off points may be issued. Training requirements must not inhibit compliance with ATC instructions. Simulated engine failure is subject to ATC approval.
4. For CASA approved operators, all RWYs are capable of supporting takeoffs with an RVR/ RWY VIS of 800M or more.

**5. HELICOPTER OPS**

- a. Helicopter operation to the northern APN and northern hangars restricted to APV operators. CTC AD OPR.
- b. Hangars 18 and 19 (Hart Precinct) restricted to APV operators. CTC AD OPR. HEL are not to directly ARR/DEP from APN unless operationally required by ATC.
- c. During daylight hours HEL AWK may be taking place from a training site contained within an area BTN the GP antenna, 150M radius east of the anemometer, TWY N and RWY 08/26 clear of the marked runway strip, known as the Eastern Grass. HEL OPS not ABV 100FT AGL. HEL not to OPR within 150M of the BoM anemometer. Restricted to APV OPR. CTC AD OPR.

**6. FLIGHT PLAN RQMNTS - Refer to ERSA GEN.****FLIGHT PROCEDURES****1. ESTIMATED AIRBORNE TRAFFIC DELAYS****1.1. For ARR ACFT:**

- a. May be expected due to terminal area traffic density:
  - (i) MON-THU 0845-0945 Local: 10 MIN
  - (ii) FRI 0945-1045 Local: 10 MIN.

*Note: Actual holding times may differ from holding estimates. Historical data on actual holding is available from the NOMC.*

**2. ATC TRAFFIC MANAGEMENT SPEED**

- When **not** on a SID or STAR (including vectoring) - ACFT ARR or DEP EN must not exceed 250KT IAS when BLW 10,000FT AMSL. Advise ATC if a higher speed is operationally required.
3. When EN TWR is active, EN TWR is allocated the SE quadrant of ML CTR and adjacent C airspace step up to 2,000FT. ACFT wishing to OPR in this airspace must call EN TWR 125.1 at VFR APCH points. Pilots are REQ to display landing lights when possible.
  4. ACFT operating in EN TWR airspace shall SQUAWK code 0100 unless assigned another code.
  5. Due to the proximity of ML AD, it is essential that pilots comply accurately with tracking instructions.
  6. Start clearance required for ACFT departing EN for ML for airwork in the ML Terminal Area or for practice instrument APCH on DEP.
  7. Start clearance RQ for ACFT departing EN for MB ABV A020 and ACFT departing EN for AV above A020.
8. **OPERATION OUTSIDE TWR HR:**
- a. Outside TWR hours, ML APP is responsible for all ACFT operating into and out of EN AD, including the SE quadrant of the ML CTR normally controlled by EN TWR. Due to the special nature of this non TWR operation and the restrictions imposed on the use of the runways, all aircraft may expect delays. Lodgement of a flight plan is required for OPR in this airspace outside TWR hours (refer AIP DAP East for exemptions).
  - b. DEP ACFT must obtain a start clearance on 118.45.
  - c. ACFT requesting a clearance from OCTA through that airspace normally allocated to EN TWR shall obtain airways clearance from ML Centre on 135.7.
  - d. In the event of radio failure on the ground, continue to TX intentions, return to apron and contact ATC on 03 9235 7337^.

- e. Taxi, landing or takeoff clearances will not be issued. Pilot in command has sole responsibility for ACFT ground movement and avoidance of other ACFT and obstacles. All ACFT must notify ground movement on 118.45. Advice of other traffic on the manoeuvring area will be provided.
- f. RWY must not be used for taxiing or run-ups, but clearance is not RQ to cross a RWY.
- g. ATC will instruct ACFT taxiing for departure to report "ready" at the RWY HLDG point for departure instructions. Due to the complexities associated with operations at Melbourne, ACFT should not enter the departure RWY until specific departure instructions are issued.

*Note: An airways clearance does not constitute departure instructions.*

- h. ACFT must commence takeoff within three (3) minutes of issue of DEP instructions, otherwise new instructions must be obtained.
- i. SAR WATCH will commence after issuance of departure instructions.

9. **CIRCUITS OR SIMULATED ENG FAILURES**

- a. All ACFT planning circuits require prior ATC (EN Tower) approval.
- b. Circuits or simulated engine failures at EN are subject to the following limitations:
  - (i) ACFT MTOW not above 5,700KG and must be propeller driven;
  - (ii) Low level circuits not below the circling minima.

10. **MULTI-ENGINE ACFT:**

- a. Circuits AVBL HR 2100-1200 UTC.
- b. **ASYMMETRIC OPS INVOLVING FEATHERING OF PROPELLERS NOT PERMITTED.**
- c. May simulate ENG failure under the following conditions:
  - (i) HJ only;
  - (ii) Only RWY 35 full length to be used;
  - (iii) In retractable undercarriage ACFT, simulated ENG failure after TKOF is not to be initiated prior to selecting undercarriage up;
  - (iv) ACFT to be under the command of a pilot possessing current multi-ENG endorsement approval.

11. **SINGLE ENGINE ACFT:**

- a. Circuits AVBL HJ for endorsement and test flights only.
- b. **SIMULATED ENGINE FAILURES NOT PERMITTED.**

12. **GROUND DELAY PROGRAM (GDP)**

12.1. Essendon Arrivals during Melbourne GDP

- a. When the Melbourne TAF indicates a visibility of less than 5,000M and a ceiling of less than 1,600FT an Essendon Slot Scheme may be operating. This is dependant on weather and runway configurations planned to be in operation between the two Airports during the GDP, as Essendon Arrivals may become part of the arrivals sequence into Melbourne.
- b. Fixed wing ACFT arriving at Essendon during these periods must contact the National Operations Management Centre (NOMC) on 1800 020 626^ to book a slot for arrival into Essendon.
- c. Operators who upload a schedule into Metron Harmony or provide a schedule to the NOMC will have their ACFT automatically assigned a slot. ACFT operators will still need to confirm their allocated slot time with the NOMC.
- d. All ACFT subject to the Essendon slot scheme must arrive within -5/+15 minutes of their allocated Slot. Pilots unable to operate within the compliance window must contact the NOMC to obtain a new Slot.
- e. Failure to obtain or comply with a Slot and/or to submit a flight plan for a flight to Essendon Airport may result in extensive airborne holding or Airways Clearance being withheld if Essendon Airport has no compatible arrival Slots available.
- f. A NOTAM will be issued notifying times the Essendon Slot Scheme is in operation or cancelling it if weather conditions change.
- g. Priority Flights as defined in *AIP ENR 1.4*, are exempt from this procedure.



## NOISE ABATEMENT PROCEDURES

1. The Air Navigation (Essendon Fields Airport) Regulations 2018 impose a MTOW limitation on operations at Essendon Airport.
  - a. An operator of an aircraft must not engage in conduct that results in an aircraft taking off from, or landing at, Essendon Fields Airport if the aircraft has a MTOW of 45,000KG or more.
  - b. Paragraph 1.a. does not apply if the aircraft has MTOW of no more than 50,000KG and the associated legislative requirements are applied.
  - c. The regulation is available online:  
<https://www.legislation.gov.au/F2018L01687/latest/downloads>
2. Additional noise abatement procedures apply (see *AIP DAP East*).
3. State aircraft are exempt from curfew requirements (hours of operation and MTOW limits) and are requested to apply fly neighbourly procedures at Essendon Fields Airport.

## ADDITIONAL INFORMATION

1. Bird hazard exists in runway strip areas:
  - a. Magpies present all year round.
  - b. Species specific NOTAM will be issued during period of increased activity.
2. PJE OPS WI 2NM RAD of Point Ormond (APRX BRG 150DEG, 9NM FM YMEN ARP) SFC-FL140.
3. AWIS wind information unreliable during northerly or westerly winds due obstructing hangars cross check local winds using windsocks.

## CHARTS RELATED TO THE AERODROME

1. WAC 3469, 3470.
2. Also refer to AIP Departure and Approach Procedures.

## MELBOURNE/MOORABBIN

**ELEV 55**

### AVFAX CODE 3003

VIC

UTC +10

YMMB

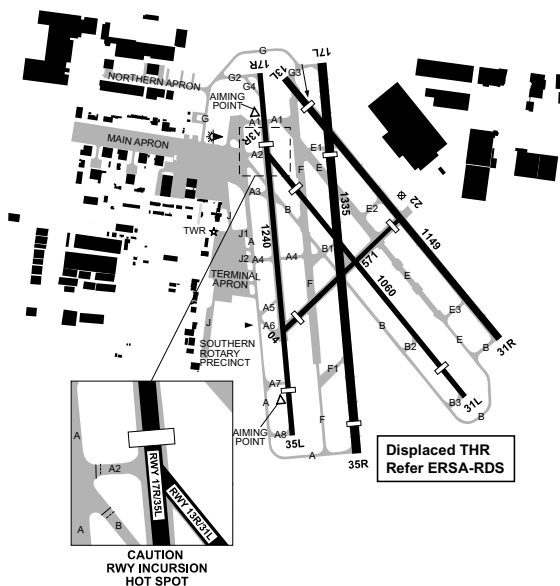
375833S

1450608E

VAR 12 DEG E

CERT

AD OPR Moorabbin Airport Corporation Pty Ltd, Airport Management Centre, 66 Bundora Parade, Moorabbin Airport, VIC, 3194. Email: [admin@moorabbinairport.com.au](mailto:admin@moorabbinairport.com.au). PH 03 8587 8000 (JO 0900-1700 Local). ARO 0428 058 295 (H24). Website: [www.moorabbinairport.com.au](http://www.moorabbinairport.com.au).



## REMARKS

1. Availability:
  - a. AD Charges: All ACFT - contact AD OPR for details.
  - b. PPR for instrument APCH or AWK WI the ML Terminal Airspace. Phone 03 9235 7337 for bookings.
  - c. PPR from the AD OPR for the following:
    - (i) ACFT ABV 5,700KG MTOW.
    - (ii) ACFT ABV 15M wingspan.
    - (iii) Recreational ACFT - Australia.
2. This AD is a Security Controlled Airport. All personnel must possess and display a valid ASIC when airside unless under escort.
3. High visibility vest to be worn when airside.

## HANDLING SERVICES AND FACILITIES

World Fuel Services: Tysons Aerofuels: 2100-0800 UTC DLY. Phone 03 9580 2861, VHF 121.65 - callsign "AEROFUELS". H24 AVGAS bowser WFS carnet card, V and MC via Compac Pay smartphone APP. AH 1HR PN Phone 0425 792 200, 0418 125 636. AVGAS, JET A1, O117, O125, O156. Carnet, V, MC.

VIVA Energy Aviation: 2100-0800 UTC. AH call-out fee may apply. Phone 03 9587 4277. AVGAS and JET A1. H24 AVGAS card bowser. VIVA Energy Aviation Fuel2Sky card, V, MC.

AVIA AVIATION: FBO Services. Phone 03 8677 7760 or email: admin@aviaaviation.com.au. H24 with PN, departure lounge, toilet/shower, WiFi, parking and hangarage AVBL. JET A1 and AVGAS, all cards accepted.

## General

AD OPR does not provide ACFT marshalling services.

## APRONS AND TAXIWAYS

Wingspan limitations apply to AD. Areas of Main Apron and Northern Apron marked 'NOT ABV 11.5M WINGSPAN' and 'NOT ABV 18M WINGSPAN'. Pilots must exercise caution due reduced wingtip clearances.

## AERODROME OBSTACLES

1. Lit buildings:
  - a. 265FT AMSL BRG 304 DEG MAG 2.35NM FM ARP. Infringes inner HZS by 74FT.
  - b. 211FT AMSL BRG 297 DEG MAG 2.24NM FM ARP. Infringes inner HZS by 21FT.
2. Mobile phone towers:
  - a. 233FT AMSL BRG 334 DEG MAG 1.94NM FM ARP. Infringes inner HZS by 43FT.
  - b. 204FT AMSL BRG 325 DEG MAG 1.35NM FM ARP. Infringes inner HZS by 14FT.
3. Multiple unlit power pylons 233-288FT AMSL BTN BRG 333-343 DEG MAG 2.26-2.41NM FM ARP. Infringes conical SFC by up to 34FT.
4. Mast 310FT AMSL BRG 317 DEG MAG 2.54NM FM ARP. Infringes conical SFC by up to 16FT.
5. Flagpoles 234FT AMSL BRG 318 DEG MAG 2.13NM FM ARP. Infringes inner HZS by 44FT.
6. Aerials:
  - a. 242FT AMSL BRG 309 DEG MAG 2.09NM FM ARP. Infringes inner HZS by 52FT.
  - b. 226FT AMSL BRG 306 DEG MAG 2NM FM ARP. Infringes inner HZS by 36FT.
7. Mobile phone cells 226FT AMSL BRG 303 DEG MAG 2.15NM FM ARP. Infringes conical SFC by 3FT.
8. Flood light 241FT AMSL BRG 273 DEG MAG 2.2NM FM ARP. Infringes inner HZS by 51FT.
9. Multiple unlit flood lights 239-240FT AMSL BTN BRG 280-281 DEG MAG 2.36-2.61NM FM ARP. Infringes conical SFC by up to 48FT. Located at 'Keys Road Reserve'.
10. Power pole 56FT AMSL BRG 176 DEG MAG 1,109M FM ARP. Infringes RWY 17L TKOF SFC by 1.6FT.
11. AD fence 59FT AMSL BRG 326 DEG MAG 593M FM ARP. Infringes RWY 35R TKOF SFC by 5.3FT.

12. Air conditioning units:
  - a. 92FT AMSL BRG 056 DEG MAG 288M FM ARP. Infringes RWY 04 TKOF SFC by 2.3FT.
  - b. 87FT AMSL BRG 052 DEG MAG 263M FM ARP. Infringes RWY 04 TKOF SFC by 0.7FT
13. Steps to roof 73FT AMSL BRG 042 DEG MAG 156M ARP. Infringes RWY 04 TKOF SFC by 1.6FT.
14. Access ladder 85FT AMSL BRG 215 DEG MAG 901M FM ARP. Infringes RWY 22 TKOF SFC by 3FT.

### METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT B, METAR/SPECI.
2. AWIS Phone 03 8470 3216 - Report faults to BoM.
3. AWIS FREQ 120.9 (AVBL Outside TWR HR) - report faults to AD OPR.
4. MET INFO AVBL FM Airservices Pilot Briefing. Elaborative briefing FM MWO 03 9669 4850.

### PHYSICAL CHARACTERISTICS

|         |     |     |                          |        |         |
|---------|-----|-----|--------------------------|--------|---------|
| 04/22   | 036 | 19a | 5700/552 (80PSI) Asphalt | WID 18 | RWS 60  |
| 13L/31R | 130 | 38a | 5700/552 (80PSI) Sealed  | WID 30 | RWS 80  |
| 13R/31L | 130 | 35a | 5700/552 (80PSI) Sealed  | WID 18 | RWS 80  |
| 17L/35R | 164 | 44a | 5700/552 (80PSI) Sealed  | WID 30 | RWS 140 |
| 17R/35L | 164 | 41a | 5700/552 (80PSI) Sealed  | WID 18 | RWS 80  |

### AERODROME AND APPROACH LIGHTING

RWY 13L/31R MIRL SDBY PWR AVBL  
 RWY 17L/35R MIRL SDBY PWR AVBL

1. RWY edge light spacing:
  - a. 17L/35R - 58.5M.
  - b. 13L/31R - 57.9M.
2. Non-standard RWY edge light spacing between final RWY edge lights and RWY end lights.
3. Outside TWR HR, AD LGT displayed CONS.

### OTHER LIGHTING

ABN FLG W 5 SEC

1. SDBY PWR switchover time: 15 SEC.
2. TWY LGT: Green CL on J1. Blue edge lighting on A, B and G.

### ATS AND AERODROME COMMUNICATION FACILITIES

|      |                  |             |
|------|------------------|-------------|
| FIA  | MELBOURNE CENTRE | 135.7       |
| ATIS | MOORABBIN ATIS   | 120.9 398   |
| SMC  | MOORABBIN GROUND | 134.25      |
| TWR  | MOORABBIN TOWER  | 118.1 123.0 |

1. TWR HR:
  - a. MON-FRI: 2200-1000 UTC (0800-2000 Local)
  - b. SAT-SUN: 2200-0900 UTC (0800-1900 Local)
  - c. During HDS:
    - (i) MON-THU: 2100-1100 UTC (0800-2200 Local)
    - (ii) FRI: 2100-1000 UTC (0800-2100 Local)
    - (iii) SAT-SUN: 2100-0800 UTC (0800-1900 Local)
2. Moorabbin TWR provides ATS within Class D airspace SFC to 2,500FT during TWR HR.
3. Outside TWR HR airspace becomes Class G. CTA procedures apply.

### RADIO NAVIGATION AND LANDING AIDS

NDB MB 398 375835.4S 1450525.2E Range 65 (HN 65) (1)  
 (1) Range 40NM to E - 085/0.6. Excessive needle fluctuations WI 5NM of Melbourne Central Business District.

## LOCAL TRAFFIC REGULATIONS

### 1. GROUND PROCEDURES

- 1.1. Start approval required for:
  - a. Circuit Operations.
  - b. ACFT DEP for AWK in the Melbourne TMA.
  - c. ACFT LDG at Melbourne.
  - d. ACFT DEP ABV 2,000FT for LDG at Essendon.

### 2. INSTRUMENT APPROACH AND CIRCUIT TRAINING

- a. All ACFT planning practice instrument APCH (AVBL 2000-1200 UTC, 1HR earlier during HDS) require prior ATC approval. Pilots must book a slot online at [www.bookawk.com](http://www.bookawk.com).
- b. Circuit training booking system operational pilots may book a slot online at [www.vic.bookawk.com](http://www.vic.bookawk.com)

## FLIGHT PROCEDURES

### 1. ATC TRAFFIC MANAGEMENT SPEED

When not on a SID or STAR (including vectoring) - ACFT ARR or DEP MB via Class C airspace must not exceed 250KT IAS when BLW 10,000FT AMSL. Advise ATC if a higher speed is operationally required.

*Note: Pilots must also comply with Class D airspace speed limits. Cancellation of ATC traffic management speeds does not cancel Class D airspace speed limits.*

### 2. LOW VISIBILITY OPERATIONS

Low Visibility Operations not AVBL.

### 3. CIRCUIT PROCEDURES

- 3.1. Circuit Altitude: 1,000FT (QNH).
- 3.2. Report turning downwind with intentions.
- 3.3. Helicopters may cross duty RWY THR at 500FT when base leg for LDG.
- 3.4. Practice LDGs with feathered propellers not permitted.
- 3.5. Simulated engine failure in single engine ACFT after TKOF not permitted.
- 3.6. Simulated asymmetric OPS after TKOF not permitted RWY 17R and 22.
- 3.7. Circuit Directions during TWR HR:
  - (i) RWY 04 HJ - right: HN - not AVBL.
  - (ii) RWY 22 HJ - left: HN - not AVBL.
  - (iii) RWY 13R HJ - right: HN - not AVBL.
  - (iv) RWY 13L HJ - left: HN - left.
  - (v) RWY 31R HJ - right: HN - right.
  - (vi) RWY 31L HJ - left: HN - not AVBL.
  - (vii) RWY 17R HJ - right: HN - not AVBL.
  - (viii) RWY 17L HJ - left: HN - left.
  - (ix) RWY 35R HJ - right: HN - right.
  - (x) RWY 35L HJ - left: HN - not AVBL.

### 4. CLEARANCE PROCEDURES FOR CLASS C AIRSPACE

- 4.1. VFR Flights by Day - Clearance in Class C airspace is not AVBL from MB TWR. CTC Melbourne Centre (135.7) in Class G airspace for clearance.
- 4.2. VFR at night - MB TWR will provide airways clearance only for flights planned in Class C airspace north of and including the line SAMIG-MB-HARRO.
- 4.3. IFR flights south of the line SAMIG-MB-HARRO, MB TWR will provide a transponder code. Remain in Class G airspace. Contact ML CENTRE FREQ 135.7 3NM MB for airways clearance.
- 4.4. IFR flights north of and including the line SAMIG-MB-HARRO, MB TWR will provide airways clearance.

**5. DEPARTURES**

- 5.1. VFR ACFT must advise departure intentions with Ready Call.
- 5.2. Clearance for VFR ACFT to operate in the MB CTR and VFR ACFT departing into Class G will be issued on MB TWR FREQ.
- 5.3. A takeoff clearance constitutes a clearance to operate within the CTR or depart the CTR in accordance with the intentions notified with the ready call.
- 5.4. VFR ACFT departing into Class G airspace must depart the CTR on an extended leg of the circuit.
- 5.5. Departure altitude - climb to 2,000FT AMSL or higher, cloud permitting.
- 5.6. DEP from RWY 17 on UPWIND leg remain over land until abeam CARRUM to avoid inbound traffic.
- 5.7. DEP from RWY 17R to S, turn left to follow coast when S of Woodland Golf Course.
- 5.8. All ACFT departing to remain in Class G airspace are to change to ML CENTRE FREQ 135.7, 3NM from MB during TWR HR. Specific transfer instructions will not be issued to VFR aircraft.

**6. ARRIVALS**

- 6.1. CTR entry altitude: 1,000FT.
- 6.2. VFR ACFT should track via and report at CARR, BAW, BTO, ACE, SHOL or GMH.
- 6.3. When RWY 17 or 35 in use, ARR VFR ACFT from the S should track via and report at CARR on 123.0 then remain over water until established in the western circuit.

**7. IFR OPERATIONS IN VMC**

Pilots electing to commence or terminate an IFR flight under the VFR should communicate such intention at the earliest possible time to ensure their arrival or departure is processed efficiently.

**8. HELICOPTER OPERATIONS****8.1. HEL Local Procedures:**

- a. Day VFR HEL ARR, DEP and CCTS must be at 700FT AMSL unless otherwise instructed. Day VFR ARR and DEP use the Northern aiming point, Southern aiming point or prior approved LDG site. Nominate aiming or HLS on first contact with TWR. ARR and DEP must be parallel to duty RWY and comply with circuit direction. Helicopters must avoid flight over airport buildings and public viewing areas below 500FT.
- b. NGT OPS shall comply with fixed wing circuit and ALTs.
- c. Eastern Grass is the area contained by a line 20M east of and parallel to the eastern edge of RWY 35R flight strip extended, and the perimeter fence Western Triangle is the area contained by a line extended along TWY A centre line 20M of TWY A4, an extended line 20M SW of and parallel to TWY B and the perimeter fence.
- d. Circuits shall be conducted from the Eastern Grass or Western Triangle as follows:
  - (i) For duty RWY 17/35 use Eastern Grass. For duty RWY 13/31 use Western Triangle;
  - (ii) Parallel to duty RWY, inside the fixed wing circuit and in compliance with the fixed wing circuit direction;
  - (iii) A continuous lookout for fixed wing traffic must be maintained;
  - (iv) Once established, the only COM is "AIRBORNE" call **before** each circuit.
  - (v) ATC will not positively control these TKOFs or LDGs, or provide sequencing instructions. Initial TFC INFO only will be provided on other HEL conducting CCTS;
  - (vi) On completion of circuit training session, nominate landing HLS with airborne call, report downwind and comply with ARR from E if duty RWY 17/35.
  - (vii) A maximum of 3 helicopters are permitted to operate circuits concurrently.

**8.2. HEL Departures**

- a. Taxi for Southern aiming point hold short of TWY A. Taxi for Northern aiming point hold short of TWY G.
- b. DEP to the E call 118.1 when ready;
- c. DEP to the W call 123.0 when ready and must remain clear of duty runways, pass E of TWR and track N until past TWR, or S until past airport buildings.

**8.3. HEL Arrivals**

- a. ARR from E must call 118.1 and fly a close base leg to pass over the duty THR not BLW 500FT AMSL;
- b. When duty RWY are 13 or 17, ARR from E for Northern or main aprons may be instructed to overfly duty THR not BLW 500FT AMSL for short right circuit;
- c. ARR from W for southerly APCH must remain clear of duty runways, track E of TWR, then DCT to S HLS. ARR from W for northerly APCH to Northern or main aprons must remain clear of duty runways and track E of TWR.

**9. COMMUNICATION FAILURE**

- a. Carry out Communication Failure procedures in EMERG.
- b. TR via the appropriate VFR approach point.
- c. Enter CTR at 1,500FT and TR to overhead the aerodrome at that altitude.
- d. Ascertain the runway(s) in use and join the western circuit.
- e. When ready, descend to circuit altitude remaining clear of the other circuit.
- f. Maintain separation from other aircraft.
- g. Proceed with normal circuit and landing.
- h. Watch for light signals from the TWR.

**10. OUTSIDE TWR HR:**

- a. Class C airspace ABV 2,500FT remains active.
- b. After 2200 Local, DEP must maintain RWY heading until 1,000FT.
- c. ML Centre services AVBL, FREQ 134.25 on the ground or 135.7 airborne.
- d. RWY 17R, 35L, 13R and 31L not AVBL.

**10.1. Circuits:**

- a. Right hand CCTS on RWY 04, 31R and 35R only.
- b. MAX 5 ACFT permitted.

**10.2. Circuit training permitted:**

- a. MON-FRI: 2200-1100 UTC (0800-2100 Local);  
During HDS: 2100-1100 UTC (0800-2200 Local).
- b. JF: 2300-0800 UTC (0900-1800 Local) or last light (whichever is earlier);  
During HDS: 2200-0700 UTC (0900-1800 Local) or last light (whichever is earlier).

**10.3. Preferred RWY**

- a. In order of preference:
  - (i) RWY 35, 17 and 13/31 equal preference.
  - (ii) RWY 04/22 - not AVBL unless operationally required and touch and go circuits not permitted.
- b. Night operations:
  - (i) For DEP north - RWY 35R.
  - (ii) For DEP south - RWY 13L.

**CTAF 118.1**

Outside TWR HR.

**NOISE ABATEMENT PROCEDURES****1. CIRCUIT TRAINING**

Circuit training is permitted BTN the FLW HR:

- a. 2200-1100 UTC (0800-2100 Local) MON - FRI.  
2300-0800 UTC (0900-1800 Local) or last light (whichever is earlier) JF.
- b. During HDS 2100-1100 UTC (0800-2200 Local) MON - FRI  
(2200-0700 UTC (0900-1800 Local) or last light (whichever is earlier) JF.

**2. PREFERRED RUNWAYS**

- a. RWY 35;
- b. RWY 17, RWY 13 and RWY 31.
- c. RWY 04/22 - not AVBL unless operationally required and touch and go CCTS not permitted.
- d. DRG TWR HR, ATC will consider nominating an alternative RWY when the crosswind exceeds 10KT or when there is tailwind.

3. **RWY 17R**
  - a. DEP not permitted before 2300 UTC (0900 Local) (2200 UTC HDS) (0900 Local HDS).
  - b. Jet DEP not permitted.
  - c. DEP from RWY 17R maintain UPWIND leg until S of Woodlands Golf Course.
4. C180, C185, C206, C210, BE35/36 with two bladed prop, C336/337 and Warbirds fitted with constant speed props are not permitted to use RWY 17R or RWY 31L for TKOF unless no other RWY AVBL.
5. **RWY 31L**
  - a. DEP from RWY31L maintain UPWIND leg until over Kingston Centre.

### ADDITIONAL INFORMATION

1. PJE OPS WI 2NM RAD of Point Ormond (APRX BRG 150DEG, 9NM FM YMEN ARP) SFC-FL140.
2. Possible wind shear and turbulence:
  - a. West of RWY 04 THR when wind FM west south westerly direction at 20KT and ABV.
  - b. On RWY 17R/35L and south of 35L THR when wind crosswind exceeds 15KT FM west or south westerly direction.
  - c. On RWY 13L/31R when cross wind exceeds 10KT FM easterly sector BTN BRG 310-130 MAG. Possible windshear and turbulence north of RWY 13L/ 31R when wind from west south westerly direction at 28KT and above.

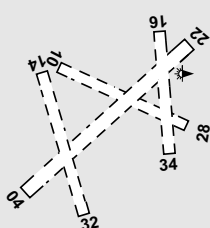
### CHARTS RELATED TO THE AERODROME

1. WAC 3469, 3470.
2. Also refer to AIP Departure and Approach Procedures.

## MELTON

ELEV 670

### FULL NOTAM SERVICE NOT AVBL



VIC

373718S

1443356E

UTC +10

VAR 11 DEG E

YMEL

UNCR

AD OPR E. Reeve, 995 Coburns Road, Toolern Vale, VIC, 3337.

Email: [info@meltonairservices.com.au](mailto:info@meltonairservices.com.au). PH 03 9746 1342.Website: [www.meltonairservices.com.au](http://www.meltonairservices.com.au).

### REMARKS

PPR - Contact Melton Air Services, PH AD OPR.

### HANDLING SERVICES AND FACILITIES

AVGAS AVBL, CTC AD OPR. Cash, V and MC accepted.

### PASSENGER FACILITIES

LG/WC/RF/TX/ME.

### PHYSICAL CHARACTERISTICS

|       |     |                                                                              |        |        |
|-------|-----|------------------------------------------------------------------------------|--------|--------|
| 04/22 | 44c | Unrated. Grass/Gravel. RWY LEN 1,340M. RWY 22 DTHR 90M. Slope 1% down to SW. | WID 30 | RWS 60 |
| 10/28 | 33c | Unrated. Grass. RWY LEN 1,000M. RWY 28 DTHR 90M. Slope 1% down to SE.        | WID 30 | RWS 60 |
| 14/32 | 39c | Unrated. Grass. RWY LEN 1,200M. Slope 1% up to N.                            | WID 30 | RWS 60 |
| 16/34 | 21c | Unrated. Grass. RWY LEN 650M. Slope 1% up to N.                              | WID 30 |        |

### AERODROME AND APPROACH LIGHTING

RWY 04/22 LIRL

BY PRIOR ARRANGEMENT

RWY 04/22 edge light spacing: 89M.

### ATS AND AERODROME COMMUNICATION FACILITIES

FIA MELBOURNE CENTRE

135.7 Circuit Area

### LOCAL TRAFFIC REGULATIONS

All ACFT DEP (other than touch and go OPS) to commence take off roll from RWY end to maximise height over residential areas after take off.

FLIGHT PROCEDURES

1.

Where possible, ACFT should conform to established RWY direction.
2.

Arrivals - at least 3 legs of the circuit to be flown.
3.

Straight in approaches are not permitted.
4.

RH Circuits RWY 04 and 10.
5.

Landings only RWY 34.
6.

Take off/landing RWY 16 not permitted.
7.

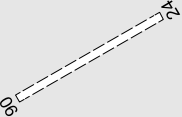
All ACFT to avoid overflying Toolern Vale township NE of aerodrome.

CTAF 121.6

CHARTS RELATED TO THE AERODROME

WAC 3469, 3470.

MELVILLE WATER AERODROME



WA

315839S

1155029E

AD OPR CATALINA AIRLINES, 42 Belmont Avenue, Belmont, WA, 6104.

PH 08 9334 1029, Swan River Trust 08 9278 0900. ARO 0416 153 796.

FULL NOTAM SERVICE NOT AVBL

UTC +8

VAR 2 DEG W

YMET

UNCR

REMARKS

1.

RESTRICTED OPS: PPR from Swan River Trust.

2.

Landing RWY 06; TKOF RWY 24.

PHYSICAL CHARACTERISTICS

RWY 06/24 Defined by white buoys 1,000M x 70M.

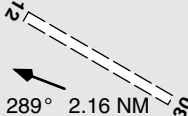
ATS AND AERODROME COMMUNICATION FACILITIES

|     |                  |        |
|-----|------------------|--------|
| FIA | PERTH CENTRE     | 135.25 |
| APP | PERTH APPROACH   | 123.6  |
| DEP | PERTH DEPARTURES | 118.7  |

CHARTS RELATED TO THE AERODROME

WAC 3351, 3462.

MEREENIE



NT

235836S

1313342E

AD OPR Central Petroleum Ltd, GPO Box 292, Brisbane, QLD, 4001.

PH 07 3181 3800. Fax 07 3181 3855.

FULL NOTAM SERVICE NOT AVBL

ELEV 2410

UTC +9:30

VAR 4 DEG E

YMEI

UNCR

REMARKS

1.

PPR All OPS.

2.

AD Charges: \$100 all unauthorised ACFT.

AERODROME OBSTACLES

Hill 150M right of RWY 12, 70FT AGL.

ATS AND AERODROME COMMUNICATION FACILITIES

|        |                  |               |
|--------|------------------|---------------|
| FIA    | MELBOURNE CENTRE | 121.85 4500FT |
| UNICOM | MEREENIE UNICOM  | 129.9 (1)     |

(1)

CS "Mereenie Base". Infrequently monitored.

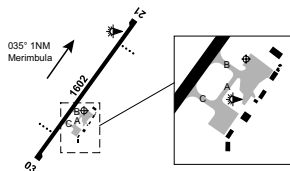
CTAF 126.7

CHARTS RELATED TO THE AERODROME

WAC 3231.



# **MERIMBULA** **AVFAX CODE 2124**

**ELEV 8**

NSW  
 365431S 1495405E UTC +10 YMER  
 VAR 13 DEG E CERT  
 AD OPR Bega Valley Shire Council, PO Box 492, Bega, NSW,  
 2550. PH 02 6495 4211. ARO 0439 947 270: 0439 955 458.  
 Website: [www.begavalley.nsw.gov.au](http://www.begavalley.nsw.gov.au).

## **REMARKS**

- AD Charges - refer to website (Fees and Charges).
- This AD is a Security Controlled Airport.
- PPR from AD OPR for all ACFT ABV 5,700KG due parking restrictions.

## **HANDLING SERVICES AND FACILITIES**

Air BP: H24. Phone 0439 947 270 or 0439 955 458, AVGAS Carnet Card Swipe Bowser. JET A1 by tanker, 60 MIN PN. AH call-out fee applies.

Ground handling agent - Merimbula Airport Handling, Phone 0439 955 458.

## **PASSENGER FACILITIES**

LG/ME/AC/RF/PT/TX/HC/WC

## **AERODROME OBSTACLES**

- Lit TWR:
  - 723FT AMSL BRG 342 DEG MAG, 4,368M FM ARP.
  - 729FT AMSL BRG 349 DEG MAG, 4,620M FM ARP.
  - 439FT AMSL BRG 321 DEG MAG, 3,433M FM ARP.
  - 538FT AMSL BRG 237 DEG MAG, 3,223M FM ARP.
- Hazard beacons (terrain):
  - 345FT AMSL BRG 010 DEG MAG, 3,664M FM ARP.
  - 205FT AMSL BRG 031 DEG MAG, 3,183M FM ARP.
  - 334FT AMSL BRG 340 DEG MAG, 1,985M FM ARP.
  - 434FT AMSL BRG 174 DEG MAG, 5,063M FM ARP.
  - 310FT AMSL BRG 216 DEG MAG, 2,664M FM ARP.
  - 204FT AMSL BRG 189 DEG MAG, 2,090M FM ARP.

## **METEOROLOGICAL INFORMATION PROVIDED**

- TAF CAT C, METAR/SPECI.
- AWIS Phone 02 9353 6434 - Report faults to BoM.
- AWIS FREQ 133.65 (Requires one second pulse to activate) - Report faults to AD OPR.

## **PHYSICAL CHARACTERISTICS**

03/21 021 53a PCN 19 /F/C /1050 (152PSI) /T WID 30 RWS 90

## **AERODROME AND APPROACH LIGHTING**

RWY 03/21 LIRL  
 RWY 03 PAPI(1) PAL 119.6 3.3 DEG45.8FT  
 RWY 21 PAPI(1) PAL 119.6 3.0 DEG41.5FT

(1) Left side.

RWY edge light spacing: 03/21: 60M.

## **OTHER LIGHTING**

TWY LGT: Blue edge.

## **ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 120.75 On Ground

## **RADIO NAVIGATION AND LANDING AIDS**

|     |     |            |           |            |     |
|-----|-----|------------|-----------|------------|-----|
| DME | MER | 117.7/124X | 365452.3S | 1495357.4E |     |
| NDB | MER | 395        | 365451.3S | 1495358.0E | (1) |

Range 20 (HN 20) OW 50  
 (OW HN50)

(1) Antenna ELEV 82FT.

**LOCAL TRAFFIC REGULATIONS**

1. ACFT ABV 5,700KG must only make 180DEG turns on the RWY THR.
2. RPT PRKG Bays not AVBL to other ACFT except with prior permission.

**FLIGHT PROCEDURES**

Right hand circuits RQ when OPR on RWY 03.

**CTAF - AFRU** 126.7

**ADDITIONAL INFORMATION**

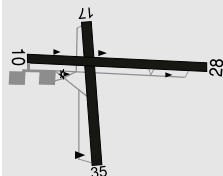
Bird and animal hazard exists.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3470.
2. Also refer to AIP Departure and Approach Procedures.

**MERREDIN****ELEV 1300****FULL NOTAM SERVICE NOT AVBL**

WA  
313124S 1181912E UTC +8 YMDN  
AD OPR China Southern WA Flying College, PO Box 389, Merredin, WA, UNCR  
6415. PH 08 9041 9200. Fax 08 9041 5636.

**REMARKS**

1. AD Charges: All ACFT.
2. Privately Owned. PPR. Approvals can be obtained from China Southern West Australian Flying College OPS. For approvals and AD INFO HJ contact 08 9041 9200 or HN duty officer 0429 902 314.

**HANDLING SERVICES AND FACILITIES**

AVGAS PN

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 123.4 Circuit Area  
UNICOM MERREDIN UNICOM 120.1 (1)

(1) CS "Merredin Ground".

**LOCAL TRAFFIC REGULATIONS**

1. Backtracking on RWY NOT permitted.
2. Itinerant aircraft parking adjacent to fuel compound.
3. Eastern pre-runway line-up area is unavailable to Code 2 ACFT.

**FLIGHT PROCEDURES**

1. All circuit entries shall be made on crosswind (4 legs of the circuit to be flown).
2. Before joining the circuit, all ACFT are to overfly the airfield at 3,000FT.

**CTAF** 120.1

**ADDITIONAL INFORMATION**

1. High volume ab initio training TFC H24.
2. Kangaroo hazard exists.

**CHARTS RELATED TO THE AERODROME**

WAC 3351, 3462.

**MERRIWA HOSPITAL****ELEV 892****AVFAX CODE 2084****FULL NOTAM SERVICE NOT AVBL**

NSW

UTC +10

YXMW

320836S

1502139E

VAR 12 DEG E

UNCR

AD OPR Hunter New England Local Health District, Locked Bag No. 1, New Lambton, NSW, 2305.

Email: hnelhd-fmu@health.nsw.gov.au. PH 02 4964 7243.

**REMARKS**

Private use.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA

BRISBANE CENTRE

133.05

**CTAF** 126.7**CHARTS RELATED TO THE AERODROME**

1. WAC 3456.
2. Also refer to AIP Departure and Approach Procedures.

**MIDDLEMOUNT****ELEV 547****FULL NOTAM SERVICE NOT AVBL**

QLD

UTC +10

YMMU

224809S

1484217E

VAR 9 DEG E

UNCR

AD OPR Anglo Coal (Capcoal Management) Pty Ltd, Shopping Complex, Middlemount, QLD, 4746. Mobile 0439 155 652.

**REMARKS**

1. Private AD. PPR for all OPS H24.
2. This AD is a security controlled airport.

**AERODROME OBSTACLES**

Towers 1.8NM 245DEG FM AD. 1,300FT AMSL.

**PHYSICAL CHARACTERISTICS**

11/29 105 51a PCN 15 /F /A /860 (125PSI) /T Sealed

WID 30

RWS 90

**AERODROME AND APPROACH LIGHTING**

RWY 11/29

LIRL

AFRU+PAL 126.7

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA

BRISBANE CENTRE

128.55 Circuit Area

**LOCAL TRAFFIC REGULATIONS**

1. RWY serviceability inspections required prior to all OPS HN.
2. Apron OPS restricted to ACFT with MTOW 6,800KG or less.

**CTAF - AFRU** 126.7**ADDITIONAL INFORMATION**

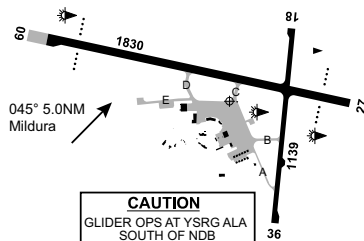
CAUTION: Birds prevalent in vicinity of AD.

**CHARTS RELATED TO THE AERODROME**

WAC 3234, 3235.

ELEV 167

PH AD OPS 03 5055 0500: 0428 596 871. Fax 5021 5740.



1. AD Charges: aircraft landing and parking charges may apply, refer to AD website terms of use.
2. This AD is a Security Controlled Airport. A valid ASIC is to be displayed at all times while airside.
3. TWY E PPR. 15 MIN PN RQ to AD OPR. CTC by phone or CTAF.

1. Two TWY leading to S end of RWY 18/36 not AVBL to ACFT ABV 5,700KG MTOW.
2. TWY E not AVBL to ACFT with wingspan greater than 17.5M.

1. Tower BRG 122 DEG MAG 1,500M FM ARP, 264FT AMSL.
2. LGT BRG 247 DEG MAG 249M FM ARP. Infringes transitional SFC by 10FT.
3. COM TWR BRG 223 DEG MAG 391M FM ARP. Infringes transitional SFC by 6FT.
4. APN LGT:
  - a. BRG 229 DEG MAG 219M FM ARP. Infringes transitional SFC by 16FT.
  - b. BRG 212 DEG MAG 170M FM ARP. Infringes transitional SFC by 19FT.
  - c. BRG 193 DEG MAG 147M FM ARP. Infringes transitional SFC by 19FT.
  - d. BRG 178 DEG MAG 180M FM ARP. Infringes transitional SFC BY 19FT.
  - e. BRG 167 DEG MAG 197M FM ARP. Infringes transitional SFC BY 10FT.
5. Trees:
  - a. BRG 068 DEG MAG 894M FM ARP. Infringes transitional SFC by 10FT.
  - b. BRG 067 DEG MAG 924M FM ARP. Infringes transitional SFC by 5FT.
  - c. Two trees grouped 184FT AMSL BRG 078 MAG 1,021M FM ARP.

1. TAF CAT B, METAR/SPECI.
2. AWIS Phone 03 8470 3215 - Report faults to BoM.
3. AWIS FREQ 128.675 (requires three one-second pulses to activate) - Report faults to AD  
OPR

|        |         |
|--------|---------|
| WID 45 | RWS 300 |
| WID 30 | RWS 90  |

**AERODROME AND APPROACH LIGHTING**

|                                                                                      |         |              |             |               |
|--------------------------------------------------------------------------------------|---------|--------------|-------------|---------------|
| RWY 09/27                                                                            | LIRL(1) | PAL+AA 119.6 |             | SDBY PWR AVBL |
| RWY 09                                                                               | PAPI(1) | PAL+AA 119.6 | 3.0 DEG53FT | SDBY PWR AVBL |
| RWY 27                                                                               | PAPI(1) | PAL+AA 119.6 | 3.0 DEG48FT | SDBY PWR AVBL |
| RWY 18/36                                                                            | LIRL(1) | PAL+AA 119.6 |             | SDBY PWR AVBL |
| (1) PAL+AA requires three pulses of APRX one second duration WI five seconds to ACT. |         |              |             |               |
| RWY edge light spacing:                                                              |         |              |             |               |
| a. RWY 09/27 - 60M;                                                                  |         |              |             |               |
| b. RWY 18/36 - 80M.                                                                  |         |              |             |               |

**OTHER LIGHTING**

- Secondary PWR switchover time: 15 SEC.
- TWY LGT: Blue edge, TWY C and D only.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 122.1 On Ground

**RADIO NAVIGATION AND LANDING AIDS**

|     |     |                    |           |            |                       |
|-----|-----|--------------------|-----------|------------|-----------------------|
| DME | IMI | 110.9/ 46X (RWY09) | 341341.7S | 1420437.1E | (4)                   |
| GP  | IMI | 330.8 (RWY09)      | 341341.7S | 1420437.1E |                       |
| ILS | IMI | 110.9 (RWY09)      | 341349.1S | 1420548.2E | (3)                   |
| LOC | IMI | 110.9 (RWY09)      | 341349.1S | 1420548.2E |                       |
| DME | MIA | 113.7/ 84X         | 341330.2S | 1420438.3E | (1)                   |
| NDB | MIA | 272                | 341452.1S | 1420426.1E | Range 100 (HN 85) (2) |
| VOR | MIA | 113.7              | 341330.7S | 1420438.2E |                       |

- Antenna ELEV 186FT.
- Pilot monitored - 024/1.2 to ARP.
- Private ILS - Fees apply - Operated by AD OPR.
- Antenna ELEV 189FT.

**LOCAL TRAFFIC REGULATIONS**

- Very limited PRKG for ACFT ABV 5,700KG MTOW. Contact AD OPR for parking.
- Additional grassed parking with tie-down facility available for ACFT below 5,700KG adjacent to TWY A and B entrance via TWY A.
- ACFT are not directly visible to each other on THR RWY 09, THR RWY 27 and THR RWY 36. Mandatory rolling call required from all ACFT immediately prior to take-off due increased risk of ACFT not being aware of each other.
- ACFT LDG RWY 18/36 at night - taxi via RWY 09/27 and use TWY C or D.

**FLIGHT PROCEDURES**

Right hand circuits RWY 27 and 36.

**CTAF - AFRU** 118.8

**ADDITIONAL INFORMATION**

- Birds may be present on SFC and approaches to RWYs.
- Caution: training airfield. Multiple RWY may be in use with significant TFC within circuit at any time.
- Caution: frequent movements of high capacity RPT ACFT occur at AD.
- Gliding OPS HJ JF and NOTAM from grass airstrip 2NM SSW of AD. Wire launching. Gliders monitor CTAF.

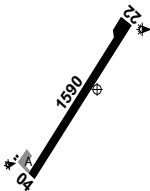
**CHARTS RELATED TO THE AERODROME**

- WAC 3458.
- Also refer to AIP Departure and Approach Procedures.

MILES

ELEV 1002

AVFAX CODE 4015



QLD  
264822S  
AD OPR Western Downs Regional Council, PO Box 551, Dalby, QLD,  
4405. Email: chinmilaairport@amsaustralia.com. PH 1300 268 624.  
ARO H24 0419 981 960 or 0497 677 850.

1501011E  
VAR 10 DEG E

UTC +10  
YMLS  
CERT

REMARKS

1. Restricted OPS - PPR FM AD OPR all non scheduled OPS.
2. AD charges apply due to limited PRKG PPR 48HR PN FM AD OPR for all ACFT.
3. Avdata fees apply.
4. Landside gate access code: 08XY.

PASSENGER FACILITIES

WC/LG.

AERODROME OBSTACLES

1. Lit COM tower, 343DEG 1.1NM FM ARP 1,244FT AMSL infringes inner HZS.
2. Marked and lit power pole, 65DEG 2.2NM FM ARP 1,166FT AMSL infringes inner HZS.
3. Marked and lit power pole, 70DEG 2.1NM FM ARP 1,154FT AMSL infringes inner HZS.

PHYSICAL CHARACTERISTICS

04/22      040    52a    PCN 19 /F /C /1000 (145PSI) /T

WID 30    RWS 90

AERODROME AND APPROACH LIGHTING

RWY 04/22    LIRL    AFRU+PAL 126.35

SDBY PWR AVBL

OTHER LIGHTING

1. SDBY PWR switchover time: 11 SEC.
2. TWY LGT: Blue edge on A.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA      BRISBANE CENTRE

123.95 Circuit Area

LOCAL TRAFFIC REGULATIONS

All ACFT ABV 5,700KG must roll through and execute MAX radius turns at THR 22 turning node.

CTAF - AFRU 126.35

ADDITIONAL INFORMATION

Bird and animal hazards exist.

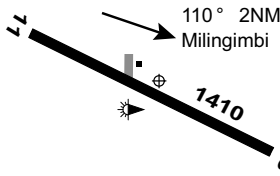
CHARTS RELATED TO THE AERODROME

1. WAC 3340.
2. Refer to AIP Departure and Approach Procedures.

MILINGIMBI

ELEV 53

AVFAX CODE 8017



NT  
120540S  
AD OPR Milingimbi Community Inc, via Darwin, NT, 0822.  
ARO 8987 9905. ARO AH 0491 281 712.  
Council PH 08 8987 9905.

1345337E  
VAR 3 DEG E

UTC +9:30  
YMGB  
CERT

REMARKS

1. This AD is a Security Controlled Airport.
2. Overnight PRKG not AVBL, for emergency PRKG CTC ARO.

PASSENGER FACILITIES

Telephone facilities not AVBL.

## AERODROME OBSTACLES

### Trees:

- BRG 279 MAG 655M FM ARP infringes TNS BY 10FT.
- BRG 255 MAG 250M FM ARP infringes TNS BY 9FT.
- BRG 260 MAG 277M FM ARP infringes TNS BY 9FT.
- BRG 138 MAG 354M FM ARP infringes TNS BY 9FT.

*Note: TNS infringed southside.*

## METEOROLOGICAL INFORMATION PROVIDED

- METAR/SPECI.
- AWIS PH 08 7922 2511 - Report faults to BoM.
- AWIS FREQ 128.05 (requires one-second pulse to activate) - Report faults to AD OPR.

## PHYSICAL CHARACTERISTICS

11/29 113 46a PCN 6 /F /B /830 (120PSI) /U

WID 30 RWS 90

## AERODROME AND APPROACH LIGHTING

RWY 11/29 LIRL(1)

- Lighting manually activated. 1HR PN.

## ATS AND AERODROME COMMUNICATION FACILITIES

FIA BRISBANE CENTRE

123.4 Circuit Area

**CTAF** 127.5

## ADDITIONAL INFORMATION

Animal hazard (dogs) exists.

## CHARTS RELATED TO THE AERODROME

- WAC 3109.
- Also refer to AIP Departure and Approach Procedures.

## MILL IRON

**ELEV 150**

**FULL NOTAM SERVICE NOT AVBL**

QLD

UTC +10

YMIO

231926S

1504145E

VAR 9 DEG E

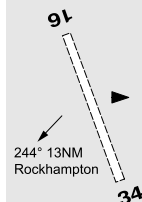
UNCR

AD OPR Roger Toole, 142 Keppel Sands Road, Tungamull, QLD, 4702.

Email: milliron@bigpond.com. PH 0407 582 829.

### REMARKS

- Private AD - PPR contact AD OPR.
- High voltage power lines underground at RWY 16 THR.



## PHYSICAL CHARACTERISTICS

16/34 18 Unsealed. Compacted grass.

## ATS AND AERODROME COMMUNICATION FACILITIES

FIA BRISBANE CENTRE

119.55

**CTAF** 132.2

## ADDITIONAL INFORMATION

RWY fully fenced from stock.

## CHARTS RELATED TO THE AERODROME

WAC 3235.





PHYSICAL CHARACTERISTICS

13/3140a/c 2000/600 (87PSI) Unrated. Grass.WID 18RWS 80

Central 11M sealed. RWY LEN 1,230M.

Caution: outer 2M each side of sealed central runway section may be soft due to sub-surface moisture, particularly during wet weather. Central 6M are firm and stable.

ATS AND AERODROME COMMUNICATION FACILITIES

FIABRISBANE CENTRE121.2 500FT

CTAF 126.7

ADDITIONAL INFORMATION

1. Assume that bird and animal hazard exists. Arriving ACFT should conduct aerial RWY inspection prior to landing.
2. Tyre pressure is in accordance with AIP unrated pavements.
3. Unsealed areas not suitable in wet weather or after rain.
4. Qantas Group Pilot Academy operates from YBWW. CAUTION: increased flight training traffic YMMN circuit and adjacent areas extending to Leyburn, Millmerran and Cecil Plains.
5. CAUTION: Mining operations (blasting possible) BRG 176 MAG APRX 8KM FM AD.

CHARTS RELATED TO THE AERODROME

WAC 3340.

MINDEROO

ELEV 50

FULL NOTAM SERVICE NOT AVBL

WAUTC +8YMDR

215936S1150242EVAR 1 DEG EUNCR

AD OPR Minderoo Station, PO Box 3155, Broadway, Nedlands WA, 6009. Email: [shill@minderoo.com.au](mailto:shill@minderoo.com.au). PH 08 9184 6044.



REMARKS  
PPR.

HANDLING SERVICES AND FACILITIES

No fuel or ground handling services.  
LTD catering and galley supplies by request to station manager.  
Hangar marshalling for Global Express AVBL by prior arrangement.

PHYSICAL CHARACTERISTICS

08/26 Sealed. Unrated. WID 30.  
RWY Length 1,524M.

AERODROME AND APPROACH LIGHTING

RWY 08/26 portable RWY edge lighting. PPR.

ATS AND AERODROME COMMUNICATION FACILITIES

FIAMELBOURNE CENTRE122.4 6000FT

LOCAL TRAFFIC REGULATIONS

1. ACFT above 5,700KG must turn RWY ends, MAX radius, MNM speed.
2. Visiting ACFT are to use the parking bay on the N side of the RWY (Global Express G550).

CTAF 126.7

“Minderoo Traffic”.

ADDITIONAL INFORMATION

1. CAUTION: ACFT hangar located at the THR RWY 08. 30M from RWY edge.
2. CAUTION: Bird and kangaroo hazard exists sunrise to sunset.

CHARTS RELATED TO THE AERODROME

WAC 3229.

**ELEV 509**

WAC 3459.

ELEV 1134

WAC 3341.

ELEV 820

A diagram of a single neuron. It consists of a dashed line representing the axon, with a solid line at the top representing the dendrite. The input is labeled '41' and the output is labeled '32'. Arrows indicate the flow of information from input to output.

**HANDLING SERVICES AND FACILITIES**

Nil fuel AVBL. For closest fuel see Albury (YMAY) FAC entry.

**PASSENGER FACILITIES**

AC (Mitta Pub 02 6072 3542). Telstra 4G (only) mobile phone coverage.

**AERODROME OBSTACLES**

Fences and trees both ends.

**PHYSICAL CHARACTERISTICS**

14/32 30c Unrated. Gravel. RWY LEN 910M. WID 15

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 125.2 3000FT

**LOCAL TRAFFIC REGULATIONS**

1. PRKG N of hangar only.
2. Carriage and use of radio is required by AD OPR.

**FLIGHT PROCEDURES**

1. High terrain in circuit area. All CCTS left hand.
2. Right turn after DEP RWY 32.
3. Cancel SAR ABV 2,000FT AGL.

**CTAF** 126.7

**ADDITIONAL INFORMATION**

1. Bird, wombat and kangaroo hazard exists.
2. Windshear.
3. Ice in winter.
4. Caution: Strip runs parallel to Omeo Highway.

**CHARTS RELATED TO THE AERODROME**

WAC 3470.

**MITTAGONG**

**ELEV 1840**

**FULL NOTAM SERVICE NOT AVBL**

NSW 342654S 1503012E UTC +10 YMIG  
VAR 13 DEG E UNCR

AD OPR Mittagong Aero Club, PO Box 157, Bowral, NSW, 2576. PH Club President 0414 603 644:  
Treasurer 0414 863 102: Secretary 0418 643 082. Website: [www.mittagongaeroclub.com](http://www.mittagongaeroclub.com).

**REMARKS**

1. Private airfield. Visitors welcome. PPR.
2. Refer website for visitor information.
3. Landing and overnight parking fees apply to all non-member ACFT refer website for schedule of charges.
4. Car park area locked when no member is present.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 121.2

**LOCAL TRAFFIC REGULATIONS**

1. No training activity by visiting aircraft (circuits, touch and go, fullstop, precautionary search and landing exercises, etc).
2. Preferred RWY (weather conditions permitting): Takeoff RWY 06 - Landing RWY 24.

**FLIGHT PROCEDURES**

1. Right CCTS RWY 24, due to terrain.
2. Pilots are request to avoid overflying residential buildings and to avoid aerobatics within 3NM of the airfield.

**CTAF** 126.7

**ADDITIONAL INFORMATION**

1. Caution windshear: When wind from 090/270.
2. Caution: Rising terrain departing to the west.

CHARTS RELATED TO THE AERODROME

WAC 3456.

MOAMA

ELEV 310

FULL NOTAM SERVICE NOT AVBL

91°

34

NSW  
360428S  
AD OPR Michael Jones, 120 Milgate Rd, Moama, NSW, 2731. PH 0418 953 727.

1444552E  
VAR 11 DEG E

UTC +10  
YMMO  
UNCR

PHYSICAL CHARACTERISTICS

16/3428cUnrated. Sand. RWY LEN 850M.WID 30

RWY unusable after heavy rain.

ATS AND AERODROME COMMUNICATION FACILITIES

FIAMELBOURNE CENTRE126.8 Circuit Area

FLIGHT PROCEDURES

Right hand circuits RWY 34.

CTAF 119.1

ADDITIONAL INFORMATION

RWY 16/34 becomes unserviceable after heavy rain.

CHARTS RELATED TO THE AERODROME

WAC 3469, 3470.

MODEWARRE

ELEV 420

FULL NOTAM SERVICE NOT AVBL

VIC  
381538S  
AD OPR F. Cumming, 220 Connies Lane, Buckley, VIC, 3240. PH 0418 476 234.

1440531E  
VAR 11 DEG E

UTC +10  
YMOD  
UNCR

REMARKS

PPR.

PHYSICAL CHARACTERISTICS

03/2121cUnrated. Grass. RWY LEN 650M.WID 17

15/3326cUnrated. Grass. RWY LEN 800M.WID 17

ATS AND AERODROME COMMUNICATION FACILITIES

FIAMELBOURNE CENTRE126.8 1500FT

CTAF 119.0

ADDITIONAL INFORMATION

1. One of five airfields in the immediate vicinity.
2. Beware of animals.
3. RWY becomes soft in wet conditions.
4. Model ACFT OPS may occur WI 500M RAD of ARP, SFC - 1,500FT AGL. OPR CTC phone: 0438 918 240.

CHARTS RELATED TO THE AERODROME

WAC 3649, 3470.

MONARTO SAFARI PARK

SA

350512S

1390934E

AD OPR Monarto Safari Park, 63 Monarto Road, Monarto, SA, 5254.

Email: monartooperations@zoossa.com.au. PH Duty Manager: 0428 425 906. ARO 08 8230 1401: 0428 425 906.

ELEV 387

FULL NOTAM SERVICE NOT AVBL

UTC +9:30

VAR 8 DEG E

YOAR

UNCR

REMARKS

1. PPR from Duty Manager.

2. Landing fee of a \$50.00 tax deductible donation to the Zoos SA conservation program applies.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

ADELAIDE CENTRE

130.45

CTAF 126.7

CHARTS RELATED TO THE AERODROME

WAC 3458.

MONKIRA

QLD

244907S

1403312E

AD OPR Monkira Pastoral Co, Monkira Station, via Boulia, QLD, 4829.

PH 07 4656 4956. Fax 07 4656 4959.

ELEV 350

FULL NOTAM SERVICE NOT AVBL

UTC +10

VAR 7 DEG E

YMNK

UNCR

81

36

PASSENGER FACILITIES

Telephone facilities not AVBL.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

BRISBANE CENTRE

125.4 4500FT

CTAF 126.7

CHARTS RELATED TO THE AERODROME

WAC 3342.

MONTO

QLD

245332S

1510607E

AD OPR North Burnett Regional Council, PO Box 390, Gayndah, QLD, 4625.

Email: admin@northburnett.qld.gov.au. Council PH 1300 696 272.

Fax 07 4161 1425.

ELEV 757

FULL NOTAM SERVICE NOT AVBL

UTC +10

VAR 10 DEG E

YMTO

UNCR

91

34

40° 1.8NM

Monto

REMARKS

PPR.

PASSENGER FACILITIES

PT/WC/LG/TX (07 4166 1124, AH 4166 1254)/HC (4166 1755)/AC (4166 1377, 4166 1777)/Terminal shelter.

APRONS AND TAXIWAYS

Sealed TWY and APN.

AERODROME OBSTACLES

Assume APCH OLS and transition OLS infringements exist.

PHYSICAL CHARACTERISTICS

16/3443aUnrated. Sealed. RWY LEN 1,310M.WID 30RWS 90

Slope 0.3% down to N.

AERODROME AND APPROACH LIGHTING

RWY 16/34LIRLAFRU+PAL 126.7

ATS AND AERODROME COMMUNICATION FACILITIES

FIABRISBANE CENTRE124.1 3000FT

CTAF - AFRU 126.7

ADDITIONAL INFORMATION

1. Assume bird and animal hazards exist.
2. Model ACFT OPR WI 1,000M RAD FM ARP. OPR will monitor CTAF.

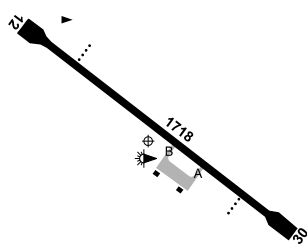
CHARTS RELATED TO THE AERODROME

WAC 3340.

MOOMBA

ELEV 143

AVFAX CODE 5204



SAUTC +9:30YOOM

280558S1401149EVAR 7 DEG ECERT

AD OPR Santos Ltd, PO Box 2319, Adelaide, SA, 5001.

PH 08 8116 5213. ARO 0419 847 168 (H24). Fax 08 8116 5057.

REMARKS

1. PPR.
2. AD charges to all unauthorised ACFT.
3. All OPS: advise AD OPR at least 20MIN prior to ETA on 126.4. CS "Moomba Base".

HANDLING SERVICES AND FACILITIES

ESS refuelling: Phone 0439 765 930. AVBL HJ. JET A1 only.  
Refuelling: PH 08 8678 4107 AVBL H24. Account holders only.

AERODROME OBSTACLES

1. Lit masts infringe inner horizontal surface:

a. 315FT AMSL, APRX 1.38NM 152 DEG MAG FM ARP.

b. 315FT AMSL, APRX 1.47NM 154 DEG MAG FM ARP.
2. Apron flood lights infringe transitional surface:

a. 181FT AMSL, APRX 0.15NM 151 DEG MAG FM ARP.

b. 181FT AMSL, APRX 0.18NM 149 DEG MAG FM ARP.

METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT C, METAR/SPECI.
2. AWIS Phone 08 8150 3808 - Report faults to AD OPR.
3. AWIS FREQ 128.55 - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

12/3012056aPCN 25 /F /B /1035 (150PSI) /T GradedWID 30RWS 150

AERODROME AND APPROACH LIGHTING

RWY 12/30LIRL(1)PAL+AA 120.6SDBY PWR AVBL

RWY 12/30PAPI(2)PAL+AA 120.63.0 DEG52FTSDBY PWR AVBL

RWY 12/30PTBL(3)BY PRIOR ARRANGEMENT

- (1) PAL will not ACT RWY lighting by day in good VIS.
- (2) Left side.
- (3) EMERG only. 60MIN PN.
- RWY edge light spacing: 12/30: 60M.

OTHER LIGHTING

- 1. Secondary PWR switchover time: 9 SEC.
- 2. TWY LGT: Blue edge on A and B.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA MELBOURNE CENTRE 119.5 On Ground

RADIO NAVIGATION AND LANDING AIDS

|     |                                     |            |           |            |                  |     |
|-----|-------------------------------------|------------|-----------|------------|------------------|-----|
| DME | OOM                                 | 112.0/ 57X | 280615.4S | 1401158.8E |                  | (1) |
| NDB | OOM                                 | 227        | 280615.6S | 1401156.9E | Range 75 (HN 75) | (2) |
| (1) | 120/1.7 to ARP. Antenna ELEV 142FT. |            |           |            |                  |     |
| (2) | 120/1.7 to ARP.                     |            |           |            |                  |     |

LOCAL TRAFFIC REGULATIONS

ACFT ABV 5,700KG must use nodes for 180 turns.

FLIGHT PROCEDURES

- 1. RWY 30 right hand circuits required.
- 2. ACFT are to avoid overflying the gas treatment plant 800M S RWY 30 THR.

CTAF - AFRU 126.7

ADDITIONAL INFORMATION

- 1. Gas vent 600M S RWY 30 THR. Operational use advised by NOTAM.
- 2. Increased wildlife activity will be communicated via NOTAM as required. Pilots are encouraged as part of flight planning to REQ current information from AD safety personnel on 08 8678 4513.

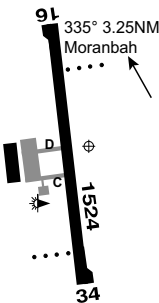
CHARTS RELATED TO THE AERODROME

- 1. WAC 3355.
- 2. Also refer to AIP Departure and Approach Procedures.

MORANBAH

ELEV 770

AVFAX CODE 4418



QLD 220328S 1480439E UTC +10 YMRB  
VAR 8 DEG E CERT  
AD OPR BM Alliance Coal Operations, Moranbah Airport, PO Box 299,  
Moranbah, QLD, 4744. Email: [airport.scheduling@bhp.com](mailto:airport.scheduling@bhp.com).  
PH AD MGR 0406 600 821: ARO/Airport Scheduling 0439 668 368.

REMARKS

- 1. This AD is a Security Controlled Airport monitored by CCTV.
- 2. Private AD. Restricted OPS. PPR for all OPS. PN 3 days. Email Airport Scheduling.
- 3. AD Charges: All ACFT.

HANDLING SERVICES AND FACILITIES

VIVA Australia Aviation: RMILLS Pty Ltd. PH 0418 147 565. JET A1 AVBL year round, Non RPT 12HR PN, AH call out fee will apply. Fuel2Sky and credit card (V and MC).

AERODROME OBSTACLES

- 1. Drag line crane 213FT AGL 1,600M SW of AD may infringe HZS. Non STD LGT HN.
- 2. Unlit mast 1,250FT AMSL BRG 162 DEG MAG 7.82NM FM ARP.
- 3. Lit and marked dust TWR 946FT AMSL BRG 260 DEG MAG 1.11NM FM ARP. Infringes inner HZS by APRX 50FT.
- 4. Unlit dump piles:
  - a. 985FT AMSL BRG 241 DEG MAG 1.48NM FM ARP. Infringes OLS.
  - b. 985FT AMSL BRG 226 DEG MAG 1.73NM FM ARP. Infringes OLS.
  - c. 985FT AMSL BRG 216 DEG MAG 2.15NM FM ARP. Infringes OLS.
  - d. 1,182FT AMSL BRG 211 DEG MAG 2.15NM FM ARP. Infringes OLS.

METEOROLOGICAL INFORMATION PROVIDED

1.

TAF CAT C, METAR/SPECI.
2.

AWIS PH 07 3564 3727 - Report faults to BoM.
3.

AWIS FREQ 122.075 (requires one-second pulse to activate) - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

16/3416350a/cPCN 23 /F /C /1020 (148PSI) /T Sealed

WID 30RWS 150

AERODROME AND APPROACH LIGHTING

RWY 16/34LIRL(2)AFRU+PAL 127.5

RWY 16/34PAPI(3)AFRU+PAL 127.53.0 DEG48FT

RWY 16/34RTIL(1)AFRU+PAL 127.5

SDBY PWR AVBL

SDBY PWR AVBL

SDBY PWR AVBL

- (1)

H24
- (2)

HN and low LGT conditions only.
- (3)

H24. PAPI left side.
- RWY edge light spacing: 16/34: 60M.

ATS AND AERODROME COMMUNICATION FACILITIES

FIABRISBANE CENTRE

128.55 Circuit area (On ground COM contact 118.45)

LOCAL TRAFFIC REGULATIONS

1.

All ACFT performing 180 DEG turns on RWY must be at MNM speed and MAX RAD WI the RWY turning nodes.
2.

All ACFT entering or vacating TWY must be at MNM speed.

FLIGHT PROCEDURES

1.

RWY 34 right hand CCTS HJ and HN.
2.

Mandatory final APCH call.
3.

Due to RWY profile causing possible obstructed VHF COM, ACFT must BCST intentions on CTAF before operating on RWY.

CTAF - AFRU 127.5

ADDITIONAL INFORMATION

1.

Blasting may take place 5NM S through to SW WI the open cut mine site (CTC 0439 668 368 for INFO).
2.

Bird and animal hazard exists year round with risk species varying depending on weather conditions. Pilots should CTC ARO for real time wildlife hazard report.

a.

Black kite, magpie, bustard, galah and crows are present all year round.

b.

Flying foxes are a seasonal risk at dawn and dusk in VCY of RWY 16/34 APCH and DEP tracks. Peak risk period is DEC-FEB, although potential exists year round.

CHARTS RELATED TO THE AERODROME

1.

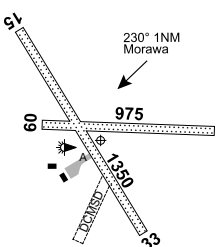
WAC 3234, 3235.
2.

Also refer to AIP Departure and Approach Procedures.

MORAWA

ELEV 902

AVFAX CODE 6032



WA291205S1160119EUTC +8YMRW

VAR 1 DEG WCERT

AD OPR Shire of Morawa, PO Box 14, Morawa, WA, 6623.

Email: admin@morawa.wa.gov.au. PH 08 9971 1004. ARO 0499 829 302:

AD MGR 0427 429 647. Fax 08 9971 1284.

METEOROLOGICAL INFORMATION PROVIDED

METAR/SPECI.

PHYSICAL CHARACTERISTICS

09/2709032c5700/550 (80PSI) Sand/Gravel.

15/3314944cPCN 9 /F /A /805 (117PSI) /U Sand/Gravel.

WID 18RWS 60

WID 30RWS 80



**AERODROME AND APPROACH LIGHTING**

RWY 15/33 LIRL(1)

(1) EMERG only. Solar lighting.

**ATS AND AERODROME COMMUNICATION FACILITIES**

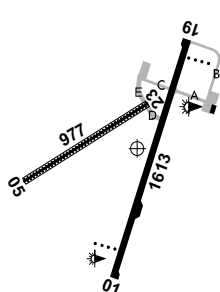
FIA MELBOURNE CENTRE

124.8

**CTAF** 126.7**CHARTS RELATED TO THE AERODROME**

1. WAC 3351.

2. Also refer to AIP Departure &amp; Approach Procedures.

**MOREE****ELEV 701****AVFAX CODE 2057**

NSW

292956S

1495041E

UTC +10

VAR 11 DEG E

YMOR

CERT

AD OPR Moree Plains Shire Council, PO Box 420, Moree, NSW, 2400

RADIO NAVIGATION AND LANDING AIDS

NDB MOR 392292950.2S1495105.6ERange 45 (HN 45)(1)

(1) Pilot monitored.

LOCAL TRAFFIC REGULATIONS

Parking on apron limited to 15MIN except ATO ACFT.

CTAF - AFRU 126.7

ADDITIONAL INFORMATION

1.

Large flocks of galahs FM August to December.
2.

Kangaroo hazard exists.
3.

Large numbers of ibis exist year round.
4.

Weather balloon launch APRX 2315 UTC FM 1KM NNE of ARP. Launches may occur at other times.

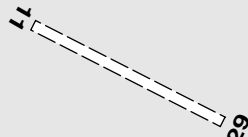
CHARTS RELATED TO THE AERODROME

1. WAC 3356, 3357.
2. Also refer to AIP Departure and Approach Procedures.

MORNEY

ELEV 340

FULL NOTAM SERVICE NOT AVBL



QLD

252130S1412600E

UTC +10

YMNY

AD OPR Morney Pastoral Co, Morney Station, via Windorah, QLD, 4481. PH and ARO number 07 4656 4955.

VAR 7 DEG E

UNCR

PASSENGER FACILITIES

Telephone facilities not AVBL.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA BRISBANE CENTRE125.4 8500FT

CTAF 126.7

CHARTS RELATED TO THE AERODROME

WAC 3342.

MORNINGTON ISLAND

ELEV 33

AVFAX CODE 4516

QLD

163945S1391041E

UTC +10

YMTI

AD OPR Mornington Shire Council, 1 Mission Rd, Gununa, QLD, 4892.

VAR 5 DEG E

CERT

Email: gmtechnical@mornington.qld.gov.au. ARO Email: airport.reporting@mornington.qld.gov.au.

PH 07 4745 7800. ARO 0447 663 443. Mobile 0460 751 779 (H24).

Website: www.mornington.qld.gov.au.



REMARKS

1. AD Charges: except RFDS.
2. This AD is a Security Controlled Airport.
3. Alcohol is restricted on Mornington Island. Heavy penalties apply. Special provisions apply for alcohol being imported on consignment and restrictions may vary from time to time. Further information regarding alcohol restrictions is available at <https://www.qld.gov.au/firsnations/community-alcohol-restrictions/remote-discrete-communities/mornington-island> or by calling 13 74 68.

PASSENGER FACILITIES

PT/WC (during scheduled OPS)

**AERODROME OBSTACLES**

MIOL, HN, 257FT AMSL BRG 136 MAG 667M FM ARP.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT D, METAR/SPECI.
2. AWIS PH 07 3564 3728 - Report faults to BoM.

**PHYSICAL CHARACTERISTICS**

09/27 093 50a PCN 10 /F /D /850 (123PSI) /U Sealed WID 30 RWS 90

**AERODROME AND APPROACH LIGHTING**

RWY 09/27 LIRL AFRU+PAL 126.7 SDBY PWR AVBL

RWY edge light spacing: 60M.

**OTHER LIGHTING**

1. SDBY PWR AVBL supplied by AD generator (manually activated), 60MIN PN.
2. TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 125.7 On Ground

**LOCAL TRAFFIC REGULATIONS**

1. All ACFT to make MAX radius, MNM speed turns at RWY ends to avoid SFC damage.
2. All ACFT to avoid heavy braking RWY 09/27 unless operationally required.

**CTAF - AFRU** 126.7

**ADDITIONAL INFORMATION**

1. Bird hazard exists (little corella, magpie lark and whistling kite) in VCY of RWY 09/27. Raft of ducks typically confined to ponds N of RWY 09 APCH WI 200M RAD of PSN 163928S 1390940E. Occasional sighting of other marine bird species WI coastal areas and bats may be present (HN). ARO will conduct bird harassment OPS prior to ARR and DEP of SKED ACFT. Additional inspections AVBL on request. Call out fees may apply.
2. Helicopter OPS (Ranger services) may take place in VCY of AD.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3220.
2. Also refer to AIP Departure and Approach Procedures.

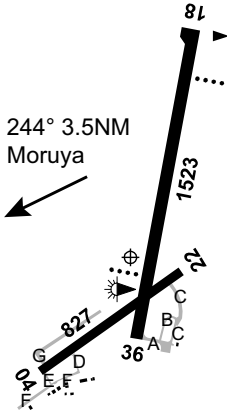
MORUYA

ELEV 19

AVFAX CODE 2123

NSW  
355351S  
AD OPR Eurobodalla Shire Council, PO Box 99, Moruya, NSW, 2537.  
Email: [airport@esc.nsw.gov.au](mailto:airport@esc.nsw.gov.au). ARO Phone/Fax 4474 2095: 0409 037 520 (H24).  
Council PH 02 4474 1000: AH EMERG 1800 755 760.

UTC +10  
VAR 13 DEG E  
YMRY  
CERT



REMARKS

- 1. AD Charges: All ACFT
- 2. This AD is a Security Controlled Airport.

HANDLING SERVICES AND FACILITIES

World Fuel Services: H24 self-serve bowser JET A1, AVGAS, phone 0409 037 520, World Fuel Services cards or V and MC via smartphone APP. Call-out fee applies.

PASSENGER FACILITIES

TX 02 4474 3455/HC 02 6495 3444.

AERODROME OBSTACLES

Lit TWR 186 DEG MAG 1.4NM FM ARP 342FT AMSL.

METEOROLOGICAL INFORMATION PROVIDED

- 1. TAF CAT C, METAR/SPECI.
- 2. AWIS PH 02 9353 6436 - Report faults to BoM.
- 3. AWIS FREQ 136.6 (requires one-second pulse to activate) - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

|       |     |     |                              |        |         |
|-------|-----|-----|------------------------------|--------|---------|
| 04/22 | 043 | 27a | 5700/450 (65PSI)             | WID 18 | RWS 80  |
| 18/36 | 179 | 50a | PCN 10 /F /B /655 (95PSI) /U | WID 30 | RWS 150 |

AERODROME AND APPROACH LIGHTING

|           |         |              |               |
|-----------|---------|--------------|---------------|
| RWY 18/36 | LIRL(1) | PAL+AA 122.4 | SDBY PWR AVBL |
| RWY 18/36 | PAPI(2) | PAL+AA 122.4 | SDBY PWR AVBL |

- (1) PAL activation - minimal delay between pulses.
  - (2) Left side. PAL activation- minimal delay between pulses.
- RWY edge light spacing: 18/36: 60M.

OTHER LIGHTING

- 1. Secondary PWR switchover time: 20 SEC.
- 2. TWY LGT: Blue edge on main TWY BTN RWY 36 THR and RPT APN.

ATS AND AERODROME COMMUNICATION FACILITIES

|     |                  |                |
|-----|------------------|----------------|
| FIA | MELBOURNE CENTRE | 120.75 1,500FT |
|-----|------------------|----------------|

**LOCAL TRAFFIC REGULATIONS**

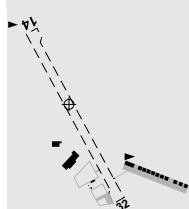
1. GA PRKG on grassed areas ADJ to eastern sealed APN is preferred.
2. ACFT on RWY may not be visible to each other. Make radio call before rolling.

**CTAF - AFRU** 132.05**ADDITIONAL INFORMATION**

1. Bird hazard exists.
2. Intensive parachute OPS GND to FL150. If unfamiliar CTC jump pilot via CTAF.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3456.
2. Also refer to AIP Departure and Approach Procedures.

**MOUNT BEAUTY****ELEV 1100****FULL NOTAM SERVICE NOT AVBL**

VIC  
364343S 1471001E  
AD OPR Mt Beauty Airport Management Association Inc, PO Box 72, Mt Beauty, VIC, 3699. Email: mail@ymbt.org.au. PH 0417 565 514 or 0412 990 622. Website: www.ymbt.org.au.

UTC +10 YMBT  
VAR 12 DEG E UNCR

**AERODROME OBSTACLES**

Power lines and sensitive area 1NM SW of airstrip.

**PHYSICAL CHARACTERISTICS**

14/32 49a Unrated. Asphalt. RWY 32 DTHR 310M. WID 18 RWS 60  
Turn pads each end 23M WID. RWS begins ADJ to RWY end.  
RWY LEN 1,500M.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 125.2 Circuit Area

**LOCAL TRAFFIC REGULATIONS**

1. CCT training not permitted.
2. TKOF RWY 14 not recommended due steep terrain, RWY upslope and possible down drafts.
3. Model ACFT operate on RWS in front of terminal building; modellers monitor CTAF. Avoid taxiing over model ACFT RWY.
4. PRKG AVBL on grass N or S of terminal building, cable tiedowns. No PRKG on hangar APN.

**FLIGHT PROCEDURES**

1. Right hand CCT when OPR RWY 32.
2. Preferred landing direction RWY 14.

**CTAF** 126.0**ADDITIONAL INFORMATION**

1. Weather information and cameras, 'Fly Neighbourly' and additional INFO AVBL FM website.
2. High ground 1NM SE of airstrip.
3. Gliding OPS HJ DLY at AD. Cable launching to 4,000FT AMSL. Winch located 120M NW of RWY14 THR. Winch flashing beacon indicates launch in progress. Gliding OPS phone: 0417 565 514 or 0409 277 328.
4. Pilots are requested to avoid overflying the aerodrome.
5. RWS and grass areas can be soft after rain.
6. Animal hazards (kangaroos and birds) exist.

**CHARTS RELATED TO THE AERODROME**

WAC 3470.

12

30

NT

125324S

1315426E

AD OPR Range Control Headquarters, CSIC - NT/K, Robertson Barracks, Palmerston, NT, 0830. PH Mount Bunday Range Control 0427 166 790.

FULL NOTAM SERVICE NOT AVBL

UTC +9:30

VAR 3 DEG E

ELEV 150

YMDY

UNCR

REMARKS

1. PPR from Range control.
2. Caution: This aerodrome is not subject to routine serviceability inspection or NOTAM advice of unserviceabilities. Additional aerodrome data is available from the contact telephone numbers above or for Mil Aircrew: <http://drnet.defence.gov.au/ARMY/FORCOMD/Headquarters/AviationBranch/AvnAwDir/Pages/OPAW.aspx>
3. CIV ACFT (excluding EMERG ACFT) shall not plan to use YMDY.
4. EMERG ACFT are to contact Mt Bunday Range control for both planned and short notice/ EMERG use.
5. Aircraft required to be in possession of Mount Bunday Special map to allow clearance onto the range. Clearances will be issued with respect to military grid reference system eastings and northings or with respect to named sectors/roads.

HANDLING SERVICES AND FACILITIES

No Fuel AVBL.

PASSENGER FACILITIES

Composting toilet and rain water tanks between parking apron and runway.

APRONS AND TAXIWAYS

TWY 95M x 15M, Parking area 50M x 115M.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

BRISBANE CENTRE

124.1

LOCAL TRAFFIC REGULATIONS

1. Contact Mt Bunday Range Control prior to DEP to CFM FREQ RQMNTS. Range Safety radios only manned when restricted areas are active.
2. C130 to conduct MAX RAD turns at turning areas.
3. Parking area NE of THR RWY 12.
4. Helicopter forward arming and refuelling point may be located on TWY, within parking APN or on RWY.
5. HEL pad suitable for UH/LOH day or night operations at GR067764. Surface bitumen. Lit water tower near HEL pad.

FLIGHT PROCEDURES

1. Range Safety must be contacted before entering R224A/B or R228A.
2. Aircraft must monitor the VHF FM range safety frequency or be in formation with aircraft that is continuously monitoring VHF FM range safety FREQ.
3. Prefer fixed wing aircraft to approach and depart restricted areas from/to NE.
4. Fixed wing traffic to conduct circuits to NE of airfield.
5. Straight in approach is available IAW AIP and range clearance.
6. Circuit calls to be made on 126.7 MHz.
7. Noise Sensitive Area. Aircraft are not to fly lower than 1,500FT AGL within a 5NM radius of Anaburroo Station (125450S 1314020E), 260/13.9NM from ARP.
8. MIL ACFT may conduct OPS within R224A using Light Enhancement Devices and may not display external lighting.
9. A/G FREQ 126.05 when Range in use.

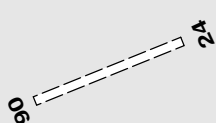
CTAF 126.7

ADDITIONAL INFORMATION

AD located within R224A.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3109.
2. Mount Bunday training area special, AUSPEC0027, Edition 3-AAS.

**MOUNT COOLON****ELEV 785****FULL NOTAM SERVICE NOT AVBL**

QLD

212313S

1471956E

AD OPR Whitsunday Regional Council, PO Box 104, Proserpine, QLD,  
4800. Mobile 0417 762 235.

**PASSENGER FACILITIES**

Telephone facilities not AVBL

UTC +10

VAR 8 DEG E

YMCL

UNCR

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

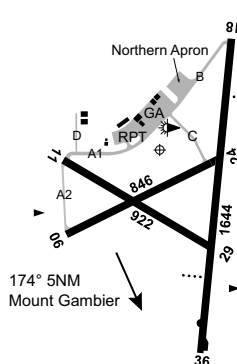
128.55 2000FT

**CTAF** 126.7**ADDITIONAL INFORMATION**

Animal hazard exists.

**CHARTS RELATED TO THE AERODROME**

WAC 3234, 3235.

**MOUNT GAMBIER****ELEV 212****AVFAX CODE 5006**

SA

374444S

1404707E

UTC +9:30

VAR 10 DEG E

YMTG

CERT

AD OPR District Council of Grant, PO Box 724, Mount Gambier, SA,  
5290. ARO 08 8725 1112 (H24). Council PH 08 8721 0444.

**REMARKS**

1. AD Charges: Itinerant ACFT: \$7/tonne MTOW pro-rata per landing. MNM \$12.00.
2. BTN 2230-0515 Local, airport entrance gates are locked for security. Opening charges apply. MNM fee \$25.
3. This AD is a Security Controlled Airport.
4. Parking not permitted on RPT apron without prior approval. RPT ACFT excepted.

**HANDLING SERVICES AND FACILITIES**

Stark Aviation: 0407 799 727. No text messages. AVGAS self-serve credit card facility (V and MC only).

**PASSENGER FACILITIES**

WC/LG (restricted hours)/HC/TX/RF (restricted hours).

**APRONS AND TAXIWAYS**

TWY B, Northern and RPT APN PCN 12/F/B/1000 (145PSI).

**AERODROME OBSTACLES**

APCH RWY 36 visual segment surface infringed by trees:

1. 274FT AMSL, 713M FM THR 170M E of RCL.
2. 270FT AMSL, 758M FM THR 135M E of RCL.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT C, METAR/SPECI.
2. AWIS Phone 08 8150 3809 - Report faults to BoM.
3. AWIS FREQ 133.425 (requires one-second pulse to activate) - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

|       |     |     |                                |        |         |
|-------|-----|-----|--------------------------------|--------|---------|
| 06/24 | 054 | 28a | PCN 6 /F /A /580 (84PSI) /U    | WID 30 | RWS 90  |
| 11/29 | 111 | 30a | PCN 6 /F /A /580 (84PSI) /U    | WID 30 | RWS 90  |
| 18/36 | 176 | 54a | PCN 12 /F /B /1000 (145PSI) /U | WID 30 | RWS 150 |

AERODROME AND APPROACH LIGHTING

|           |         |              |               |
|-----------|---------|--------------|---------------|
| RWY 06/24 | LIRL    | PAL+AA 122.3 | SDBY PWR AVBL |
| RWY 18/36 | LIRL    | PAL+AA 122.3 | SDBY PWR AVBL |
| RWY 18/36 | PAPI(1) | PAL+AA 122.3 | 3.0 DEG41FT   |

- (1) Left side.
1. RWY edge light spacing:
- a. RWY 18/36: 60M.
  - b. RWY 06/24: 90M.
2. HJ Selection of PAL will only activate PAPI. RWY lights will OPR only when poor light levels exist.

OTHER LIGHTING

1. TWY LGT: Green CL on B. Blue edge on A1, A2.
2. SDBY PWR switchover time: 30 SEC.

ATS AND AERODROME COMMUNICATION FACILITIES

|     |                  |                                                        |
|-----|------------------|--------------------------------------------------------|
| FIA | MELBOURNE CENTRE | 125.8 For on ground CTC with ML CEN, use<br>FREQ 120.3 |
|-----|------------------|--------------------------------------------------------|

RADIO NAVIGATION AND LANDING AIDS

|     |     |       |           |            |                  |     |
|-----|-----|-------|-----------|------------|------------------|-----|
| NDB | MTG | 266   | 374509.2S | 1404644.5E | Range 75 (HN 75) | (1) |
| VOR | MTG | 117.0 | 374505.0S | 1404707.0E |                  |     |

(1) Range 50 in sector 110-140.

LOCAL TRAFFIC REGULATIONS

GA area and TWY A1, A2, C (sealed) and D not AVBL to ACFT ABV 5,700KG.

CTAF - AFRU 126.65

ADDITIONAL INFORMATION

1. Bird hazard exists.
2. Weather balloon launch MON and THU APRX 2315 UTC FM 1KM W ARP. Launches may occur at other times.

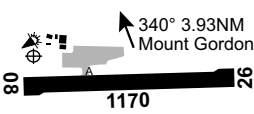
CHARTS RELATED TO THE AERODROME

1. WAC 3469.
2. Also refer to AIP Departure and Approach Procedures.

MOUNT GORDON

ELEV 900

AVFAX CODE 4321



340° 3.93NM  
Mount Gordon

1170

QLD  
194619S  
1392404E

UTC +10  
VAR 6 DEG E

YGON  
CERT

AD OPR Capricorn Copper Pty Ltd, Level 3, 232 Adelaide Street,  
Brisbane, QLD, 4000. PO Box 1933, Milton LPO, QLD, 4064.  
Email: cco.dl.cro@29metals.com. PH AD Manager (on site)  
0488 772 930 or 07 4748 9998. PH 07 3145 0160.

REMARKS

Private AD. PPR for all OPS H24.

APRONS AND TAXIWAYS

TWY A - Code C, WID 15M, asphalt sealed.



## AERODROME OBSTACLES

1. MIOL on terrain:
  - a. 1,073FT AMSL, BRG 3.57 DEG MAG 0.27NM FM the ARP. Infringes inner HZS by 54FT.
  - b. 904FT AMSL 1,694M SOT, 37M R of CL and 50FT AGL at 3.3% TKOF GRAD FM RWY 08.
2. Terrain varies up to:
  - a. 1,190FT AMSL BTN BRG 252 to 292 DEG MAG, and BTN 1.0 to 1.5NM FM the ARP. Infringes the inner HZS up to 171FT.
  - b. 1,160FT AMSL BTN BRG 343 to 10 DEG MAG, and BTN 0.9 to 1.3NM FM the ARP. Infringes the inner HZS up to 141FT.
3. Terrain:
  - a. 1,170FT AMSL 3,388M SOT, 132M L of CL and 276FT AGL at 3.9% TKOF GRAD FM RWY 26.
  - b. 1,180FT AMSL BRG 323.6 DEG MAG 0.72NM FM the ARP. Infringes the inner HZS up to 161FT.
  - c. 1,072FT AMSL BRG 15.1 DEG MAG 0.48NM FM the ARP. Infringes the inner HZS up to 53FT.
4. Transmission TWR 1,030FT AMSL 147M L of RCL 2,417M FM SOT 3.53% TKOF GRAD FM RWY 26.
5. Power line 1,004FT AMSL 71M L of RCL 2,404M FM SOT 2.92% TKOF GRAD FM RWY 26.

## PHYSICAL CHARACTERISTICS

|       |     |     |                                                            |        |        |
|-------|-----|-----|------------------------------------------------------------|--------|--------|
| 08/26 | 085 | 38a | PCN 12 /F /B /850 (123PSI) /U Central 18M<br>of WID sealed | WID 30 | RWS 80 |
|-------|-----|-----|------------------------------------------------------------|--------|--------|

RWY WID will revert to 18M when soft wet SFC NOTAM is current. RWY AVBL to ACFT approved for 18M OPS.

## AERODROME AND APPROACH LIGHTING

RWY 08/26 LIRL(1)

(1) MED EMERG and PPR use only.

## ATS AND AERODROME COMMUNICATION FACILITIES

|     |                 |       |
|-----|-----------------|-------|
| FIA | BRISBANE CENTRE | 122.4 |
|-----|-----------------|-------|

**CTAF 126.7**

## ADDITIONAL INFORMATION

Wildlife hazard exists.

## CHARTS RELATED TO THE AERODROME

WAC 3220.

## MOUNT HOLLAND

**ELEV 1462**

**AVFAX CODE 6315**

WA

320630S

1194536E

UTC +8

VAR 0 DEG W

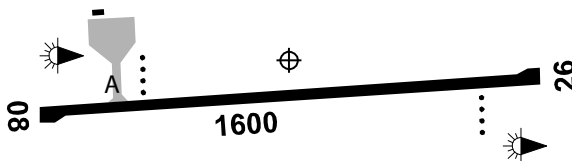
YMHL

CERT

AD OPR Covalent Lithium Pty Ltd, L3, 109 St Georges Tce, Perth, WA, 6000.

Email: [mth.aerodrome@covalentlithium.com](mailto:mth.aerodrome@covalentlithium.com). PH Site Contact: 08 9230 5400.

ARO or AD MGR 0437 721 944 (H24). Website: [www.covalentlithium.com](http://www.covalentlithium.com).



## REMARKS

Restricted Operations. PPR from AD MGR/ARO.

**HANDLING SERVICES AND FACILITIES**

Marshalling, parking allocation and ground handling services by prior arrangement with AD MGR.

**APRONS AND TAXIWAYS**

TWY A - Code C, WID 23M. Apron and TWY PCN 20/F/D/Y/T Bitumen.

**AERODROME OBSTACLES**

1.

Lit tower 1,622FT AMSL BRG 51 DEG MAG 0.51NM FM ARP. Infringes inner HZS by 23FT.
2.

Unlit tower, 1,777FT AMSL BRG 345.7 DEG MAG 1.58NM FM ARP. Infringes inner HZS by 177FT.
3.

Power pole, 1,623FT AMSL BRG 279 DEG MAG 1.15NM FM ARP. Infringes inner HZS by 23FT.

**PHYSICAL CHARACTERISTICS**

08/26

085

52a

PCN 20 /F /D /980 (142PSI) /T

WID 30

RWS 140

**AERODROME AND APPROACH LIGHTING**

RWY 08/26

LIRL

AFRU+PAL 126.4

RWY 08/26

PAPI(1)

AFRU+PAL 126.4

3.0 DEG40.4FT

(1)

Left side.

**OTHER LIGHTING**

TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA

MELBOURNE CENTRE

125.4 3500FT

**LOCAL TRAFFIC REGULATIONS**

1.

All fixed wing ACFT ABV 5,700KG must make MAX RAD turns at MNM speed at turn pads to avoid SFC damage.
2.

Itinerant PRKG CTC AD MGR/ARO.
3.

All ACFT to follow APN markings.
4.

All jet ACFT to use idle power for movements on the APN with the exception of breakaway thrust to initiate taxi.

**FLIGHT PROCEDURES**

Right hand CCTS on RWY 08.

**CTAF - AFRU 126.4**

**ADDITIONAL INFORMATION**

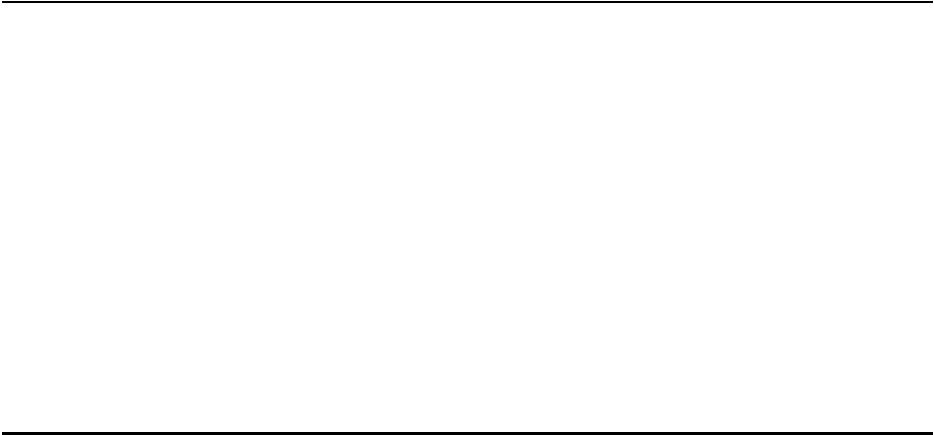
CAUTION: Blasting occurs to the N of the AD. Dust plumes may occur following blasting. Contact ARO for more details.

**CHARTS RELATED TO THE AERODROME**

1.

WAC 3462.
2.

Also refer to AIP Departure and Approach Procedures.



**MOUNT HOTHAM****ELEV 4260****AVFAX CODE 3065**

VIC

UTC +10

YHOT

370254S

1472003E

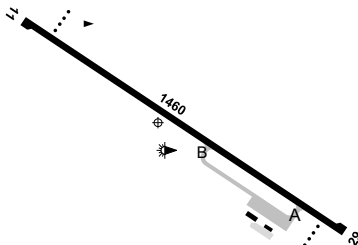
VAR 12 DEG E

CERT

AD OPR MHSC Transportation Services Pty Ltd, PO Box 140, Bright, VIC, 3741. PH 03 5759 4444:

AD OPS 03 5159 6777 (H24): AD OPS Fax 03 5159 6776. ARO 0418 971 778: 0416 986 288.

Website: www.mthotham.com.au.

**REMARKS**

1. AD Charges: All ACFT.
2. PPR FM AD OPR for all night and non-RPT OPS, refer to website for OPR approval (PDF).
3. Call-out fee applies for approved night OPS.

**HANDLING SERVICES AND FACILITIES**

JET A1 year round, 2200-0600 UTC DLY; JUN-SEP - 4HR PN. OT 24HR PN. CTC AD OPR.

Call-out fee applies weekends and PH during non-winter period. EFTPOS and credit cards only.

**PASSENGER FACILITIES**

June/September - PT/HC/BU/AC/LG/RF/WC. OT restricted hours.

**APRONS AND TAXIWAYS**

1. TWY B not AVBL to ACFT ABV 5,700KG MTOW.
2. TWY B AVBL to ACFT with a wingspan up to and not exceeding 15M.

**AERODROME OBSTACLES**

1. Lit mast 4,460FT, BRG 291 DEG MAG 2,873M FM RWY 29 THR, 0.4M L of RCL.
2. Trees:
  - a. BRG 297 DEG MAG 2,392M FM ARP. Infringes APCH SFC by 76FT.
  - b. BRG 285 DEG MAG 1,856M FM ARP. Infringes TNS by 13FT.
  - c. BRG 287 DEG MAG 1,644M FM ARP. Infringes TNS by 21FT.
  - d. BRG 286 DEG MAG 2,520M FM ARP. Infringes TNS by 50FT.
  - e. BRG 286 DEG MAG 1,654M FM ARP. Infringes TNS by 16FT.
  - f. BRG 288 DEG MAG 1,716M FM ARP. Infringes TNS by 34FT.

**METEOROLOGICAL INFORMATION PROVIDED**

1. METAR/SPECI.
2. AWIS Phone 03 8470 3217 - Report faults to BoM.
3. AWIS FREQ 128.05 (one-second transmit pulse to activate) - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

11/29 111 48a PCN 24 /F /C /1138 (165PSI) /T

WID 30 RWS 90

AERODROME AND APPROACH LIGHTING

|           |         |             |                                       |
|-----------|---------|-------------|---------------------------------------|
| RWY 11/29 | LIRL(2) |             | SDBY PWR AVBL<br>BY PRIOR ARRANGEMENT |
| RWY 11/29 | RTIL(2) |             | SDBY PWR AVBL<br>BY PRIOR ARRANGEMENT |
| RWY 11    | PAPI(1) | 3.9 DEG42FT | SDBY PWR AVBL<br>BY PRIOR ARRANGEMENT |
| RWY 29    | PAPI(1) | 3.0 DEG41FT | SDBY PWR AVBL<br>BY PRIOR ARRANGEMENT |

- (1) Left side. PN REQ
- (2) PN REQ
1. RWY edge light spacing: 11/29: 56M.
2. From JUN to SEP the primary WDI located S RWY 11/29 will be yellow.
3. Main PWR supply serviced by AD generator.

OTHER LIGHTING

1. Secondary PWR switchover time: 15 SEC.
2. TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

MELBOURNE CENTRE

125.2 6500FT

LOCAL TRAFFIC REGULATIONS

All ACFT required to execute 180DEG turns at RWY end turning nodes only.

FLIGHT PROCEDURES

1. Right hand circuits required when OPR on RWY 29.
2. Pilots are requested to avoid overflying the Alpine National Park (Bogong Unit).

CTAF - AFRU 126.75

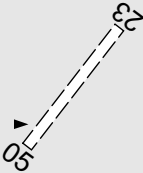
CHARTS RELATED TO THE AERODROME

1. WAC 3470.
2. Also refer to AIP Departure and Approach Procedures.

MOUNT HOUSE

ELEV 948

FULL NOTAM SERVICE NOT AVBL



WA

170304S1254248E

AD OPR Mount House Station, PMB Derby, WA, 6728. PH 08 9191 4703.

UTC +8

VAR 2 DEG E

YMHO

UNCR

PASSENGER FACILITIES

PT/RF

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

BRISBANE CENTRE

122.1 10000FT

CTAF 126.7

ADDITIONAL INFORMATION

Animal hazard exists.

CHARTS RELATED TO THE AERODROME

WAC 3223.

**MOUNT HOWITT****ELEV 345****FULL NOTAM SERVICE NOT AVBL**

QLD  
263040S 1421700E UTC +10 YMHW  
AD OPR Western Grazing Co. Mount Howitt Station, via Quilpie, UNCR  
QLD, 4480. PH 07 4656 4770.

**PASSENGER FACILITIES**

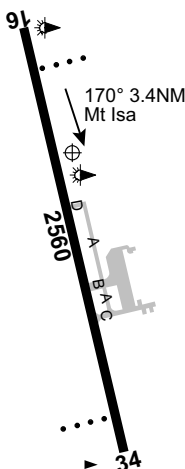
Telephone facilities not AVBL.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 118.8 2500FT

**CTAF** 126.7**CHARTS RELATED TO THE AERODROME**

WAC 3342.

**MOUNT ISA****ELEV 1121****AVFAX CODE 4301**

QLD  
203950S 1392919E UTC +10 YBMA  
AD OPR Mount Isa Airport Pty Ltd, PO Box 2305, Mount Isa, QLD, 4825. CERT  
Email: aro@isaairport.com.au. PH 07 4409 3000. ARO 0428 030 409 H24.  
Fax 07 4743 0101. Website: www.mountisaairport.com.au.

**REMARKS**

1. Conditions of Use and AD Charges apply to Mount Isa Airport, details available on website (navigate Regulatory > Charges).
2. This AD is a Security Controlled Airport.
3. All pilots and operators must possess and display a current Aviation Security Identification Card (ASIC) when in all areas airside unless under escort. Passengers must be escorted at all times.
4. Parking for ACFT ABV 5,700KG MTOW requires 48HR PN. Email ARO with request.
5. For airside access CTC ARO. Access from GA to RPT terminal and landside through Gate 7, remaining clear of Security Restricted Area.

**HANDLING SERVICES AND FACILITIES**

BP - Air Fuel Isa: H24. PH/Fax 07 4743 4843, 0419 735 998, VHF 129.9. AVGAS 24HR AIR BP  
Carnet cardswipe bowser, JET A1, O117, O125, MC and V. AVFAX Briefing Facilities AVBL.  
VIVA Energy Australia - NQ Fuel Services MON-FRI 0700-1900 Local, SAT 0800-1200 Local, SUN  
0830-1900 Local. PH 07 4743 7211, MOB 0407 961 355, Email: mtisa@nqfuelservices.com.au.  
AH 1HR PN (call-out fee applies).

Airside Logistics: PH 07 4744 8500, 0407 111 211 (H24). Ground handling services - marshalling,  
baggage/freight, check-in, crew and PAX transfers, Email: isaops@airsidelogistics.com.au,  
Website: www.airsidelogistics.com.au

**General**

The OPR does not provide ACFT marshalling services. All requests for ACFT marshalling should  
be directed to the airlines or FBO (if applicable).

AERODROME OBSTACLES

1.

Lit stack 2,129FT AMSL BRG 179 DEG MAG 3.6NM FM ARP. Infringes COS by 690FT.
2.

Fence 1,115FT AMSL BRG 162 DEG MAG 0.9NM FM ARP. Infringes TNS by 3FT.
3.

Power pole 1,157FT AMSL BRG 159 DEG MAG 1.1NM FM ARP. Infringes TNS by 5FT.
4.

Towers:

a.

Lit 1,585FT BRG 142 DEG MAG 3.1NM FM ARP infringes COS by 305FT.

b.

Lit 1,545FT BRG 156 DEG MAG 4.6NM FM ARP.

c.

Powerline TWR 1,254FT AMSL BRG 339 DEG MAG 2.1NM FM ARP.

d.

Powerline TWR 1,281FT AMSL BRG 342 DEG MAG 2.4NM FM ARP.

e.

Powerline TWR 1,257FT AMSL BRG 334 DEG MAG 1.9NM FM ARP.
5.

Trees on hill:

a.

1,282FT AMSL BRG 141 DEG MAG 1.1NM FM ARP. Infringes inner HZS by 24FT.

b.

1,306FT AMSL BRG 155 DEG MAG 2.2NM FM ARP. Infringes inner HZS by 47FT.

c.

1,292FT AMSL BRG 156 DEG MAG 2.2NM FM ARP. Infringes inner HZS by 34FT.

METEOROLOGICAL INFORMATION PROVIDED

1.

TAF CAT B, METAR/SPECI.
2.

AWIS PH 07 3564 3729 - Report faults to BoM.
3.

AWIS FREQ 135.8 - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

16/34                    162    84a    PCN 34 /F /A /1400 (203PSI) /U Grooved                    WID 45            RWS 150

AERODROME AND APPROACH LIGHTING

|           |         |                |               |                      |
|-----------|---------|----------------|---------------|----------------------|
| RWY 16/34 | MIRL    | AFRU+PAL 126.5 |               | SDBY PWR AVBL        |
| RWY 16/34 | PAPI(1) | AFRU+PAL 126.5 | 3.0 DEG53.3FT | SDBY PWR AVBL        |
| RWY 16/34 | PTBL(2) |                |               | BY PRIOR ARRANGEMENT |

- (1)

Left side.
- (2)

60MIN PN. CTC ARO.
1.

RWY edge light spacing: 16/34: 60M.
2.

Portable RWY lighting AVBL with 60 MIN PN to ARO.

OTHER LIGHTING

- ABN

FLG 8 WG
1.

Secondary PWR switchover time: 15 SEC.
2.

TWY LGT: Blue edge on B.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA                    BRISBANE CENTRE                    122.4 On Ground

RADIO NAVIGATION AND LANDING AIDS

|     |    |            |           |            |                   |     |
|-----|----|------------|-----------|------------|-------------------|-----|
| DME | MA | 117.5/122X | 203952.7S | 1392908.9E |                   | (1) |
| NDB | MA | 338        | 204031.5S | 1392911.6E | Range 100 (HN 60) | (2) |
| VOR | MA | 117.5      | 203952.6S | 1392908.3E |                   |     |

(1)

Antenna ELEV 1,138FT.

(2)

Antenna ELEV 1,185FT

TACAN also AVBL. PTBL facility, deployed as required by MIL authorities. IDENT code, channel assignment and activation by NOTAM.

LOCAL TRAFFIC REGULATIONS

1.

Local helicopter OPS are to be conducted from/to the eastern grass helicopter APN, which is the area contained by the blue cone markers off the E end of TWY C.  
The eastern grass helicopter APN is not a designated HLS and separation is not provided BTW ACFT and/or obstructions on the ground while operating within the confines of the eastern grass helicopter APN.
2.

Skid mounted ACFT are not permitted to park on any sealed or asphalt surface, including bowsters, TWY, APN, run-up bay, etc.
3.

Air taxi to/from the eastern grass helicopter APN to the RWY via TWY C is to be avoided unless necessary. If necessary, air taxiing is to be conducted as high and as quickly as practical, to minimise dispersion of debris into hangars and workshops.
4.

Training flights permitted BTN 2100-1200 UTC only.
5.

No turns permitted in the overrun beyond RWY THR.

6. Due to the grades on RWY 16/34, the opposite ends of the RWY are not visible when TKOF. Mandatory CTAF BCST required before OPR on RWY.
  - a. From the TWY holding point, ACFT at THR RWY 16 may not be visible.
  - b. ACFT at THR 16 and 34 may not be visible to one another.
  - c. CTAF BCST FM ACFT at the TWY holding point may not be received by ACFT at THR RWY 16.

## FLIGHT PROCEDURES

Right hand circuits RQ when OPR on RWY 34.

**CTAF - AFRU** 126.5

## NOISE ABATEMENT PROCEDURES

Noise Abatement Procedures (NAP) apply. Refer AIP DAP.

## ADDITIONAL INFORMATION

1. Blasting will be conducted at various sites WI 6NM RAD of Mount Isa AD. SFC - 2,500FT.
2. A wildlife hazard exists year round at this AD.
  - a. Bird activity is significantly increased after rainfall events.
  - b. Whistling kite, magpie lark and nankeen kestrel present all year round.
  - c. Black kites occur year round and occur in very high numbers during insect swarms, NOTAM will be issued in these events.
  - d. Australian pratincole present in greater numbers OCT to APR but may occur seasonally year round.
3. For current information refer to NOTAM and ISA Bird Watch Report.
3. Flying foxes are a seasonal risk at dawn and dusk on the APCH to the RWY (on and off airfield). Peak risk period is AUG through until FEB although potential risk exists year round.
4. Multiple gas turbine facilities emit high velocity plume rise at locations APRX 7NM S of AD.
5. Weather balloon launch APRX 2315 FM 1.5KM S ARP. Launches may occur at other times.

## CHARTS RELATED TO THE AERODROME

1. WAC 3233.
2. Also refer to AIP Departure & Approach Procedures.

## MOUNT KEITH

**ELEV 1792**

### AVFAX CODE 6605

WA

271711S

1203317E

UTC +8

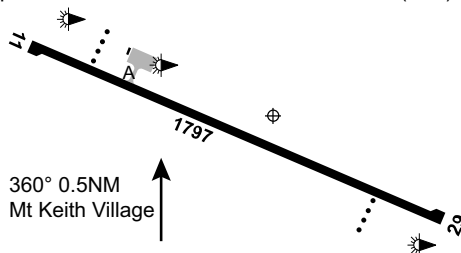
VAR 1 DEG E

YMNE

CERT

AD OPR BHP Nickel West Pty Ltd (Mount Keith), PO Box 238, Welshpool Delivery Centre, WA, 6986. Email: mountkeithaerodrome@bhp.com. PH AD MGR 0429 009 941.

Email: david.silvello@bhp.com. ARO 0499 821 780: 08 9037 8748 (H24).



## REMARKS

1. PPR for all OPS. Email ARO.
2. AD charges: ALL ACFT.

## HANDLING SERVICES AND FACILITIES

BHP. CTC ARO. JET A1 only. Payment method via account or credit card.

## PASSENGER FACILITIES

LG/RF/WC

AERODROME OBSTACLES

1. Unlit terrain:

a. 2,024FT AMSL BTN BRG 327-332 DEG MAG 4,453M FM ARP.

b. 1,998FT AMSL BRG 002 DEG MAG 4,355M FM ARP.
2. Unlit earth bund:

a. 8FT AGL BRG 205 DEG MAG 10M FM ARP. Infringes transitional SFC by 1FT.

b. 8FT AGL BRG 285 DEG MAG 1,005M FM ARP. Infringes transitional SFC by 3FT.
3. Unlit fence 6FT AGL BRG 115 DEG MAG 20M FM ARP. Infringes transitional SFC by 3FT.
4. Unlit mast 2,200FT AMSL BRG 002 DEG MAG 5,132M FM ARP. Infringes COS by 133FT.

METEOROLOGICAL INFORMATION PROVIDED

1. METAR/SPECI.
2. AWIS FREQ 133.15 - Report faults to BHP Nickel West 08 9037 8748.

PHYSICAL CHARACTERISTICS

11/2911359aPCN 24 /F /A /1000 (145PSI) /T

WID 30RWS 150

AERODROME AND APPROACH LIGHTING

RWY 11/29LIRL(1)

RWY 11/29PAPI(2)3.0 DEG42FT

(1)HNSDBY PWR AVBL

(2)Left side. Activated H24.SDBY PWR AVBL

OTHER LIGHTING

1. SDBY PWR switchover time: 15 SEC.
2. TWY LGT: Blue edge.
3. TWY holding point LGT: 2 x orange.

ATS AND AERODROME COMMUNICATION FACILITIES

FIAMELBOURNE CENTRE118.95 On Ground

UNICOMMOUNT KEITH UNICOM126.5

LOCAL TRAFFIC REGULATIONS

1. 180 DEG turns at RWY ends only. MAX RAD MNM speed.
2. ACFT must be at taxiing speed when turning into and out of TWY/RWY.
3. ACFT ABV 5,700KG must taxi off RWY CL and roll past TWY/RWY INT until taxiing speed achieved. ACFT must follow lead in lines.
4. BAE 146/RJ ACFT to use F70 lead in line.
5. Q400 ACFT to use F100 lead in taxi line on APN.

FLIGHT PROCEDURES

Right hand CCTS required when OPR RWY 11.

CTAF - AFRU 126.5

AFRU not AVBL on ground.

ADDITIONAL INFORMATION

1. Blasting HJ:

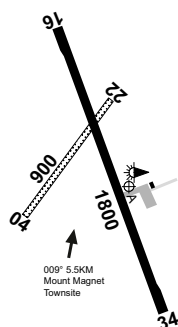
a. BRG 348 DEG MAG 3.4NM FM ARP. SFC to 2,000FT AGL. CTC ARO for blasting times.

b. BRG 170 DEG MAG 9.1NM FM ARP. SFC to 2,000FT AGL. CTC ARO for blasting times.
2. Wildlife hazards increase following rainfall events - typically between January and June.

CHARTS RELATED TO THE AERODROME

1. WAC 3345.
2. Also refer to AIP Departure and Approach Procedures



**MOUNT MAGNET****ELEV 1354****AVFAX CODE 6011**

WA

280658S

1175030E

UTC +8

VAR 0 DEG E

YMOG

CERT

AD OPR Shire of Mount Magnet, PO Box 62, Mt Magnet, WA, 6638.

Email: works@mtmagnet.wa.gov.au. PH 08 9963 3000 BH.

ARO AH 0427 634 241 or 0409 058 809. Fax 08 9963 4133.

**REMARKS**

1. AD charges apply. Contact AD Operator.
2. This AD is a Security Controlled Airport.

**AERODROME OBSTACLES**

1. Fence 989M FM SOT RWY 04, 5FT AGL.
2. Primary IWI 1,362FT AMSL BRG 017 DEG MAG 100M FM ARP. Infringes transitional SFC by 2FT.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT D, METAR/SPECI.
2. AWIS PH 08 6216 2627 - report faults to BoM.
3. AWIS FREQ 122.975 (requires one-second pulse to activate) - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

|       |     |     |                                          |        |        |
|-------|-----|-----|------------------------------------------|--------|--------|
| 04/22 | 035 | 30c | 5700/735 (107PSI) Unrated. Red silt sand | WID 30 | RWS 90 |
| 16/34 | 157 | 59a | PCN 9 /F /A /850 (123PSI) /U             | WID 30 | RWS 90 |

**AERODROME AND APPROACH LIGHTING**

RWY 16/34 LIRL AFRU+PAL 126.7 SDBY PWR AVBL

1. RWY edge light spacing: 16/34: 60M.
2. Secondary power supply requires 10 SEC switchover time for automatic generator to fully activate.

**OTHER LIGHTING**

TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 124.8 Circuit Area

**RADIO NAVIGATION AND LANDING AIDS**

|                                       |     |     |           |            |                  |     |
|---------------------------------------|-----|-----|-----------|------------|------------------|-----|
| NDB                                   | MOG | 395 | 280350.8S | 1175037.4E | Range 85 (HN 85) | (1) |
| (1) Pilot monitored - 183/3.4 to ARP. |     |     |           |            |                  |     |

**LOCAL TRAFFIC REGULATIONS**

1. ACFT ABV 5,700KG are required to use RWY 16/34 only and to taxi on RCL and turn at turning nodes. All turns to be MNM speed, MAX RAD.
2. Due to limited apron space H24 PN required for all non RPT ACFT above 5,700KG.
3. Light ACFT PRKG Bay at S side of APN. Tie-down (not rated) provided.

**CTAF - AFRU 126.7****ADDITIONAL INFORMATION**

Inspections are carried out on MON, WED, THU and FRI. Additional inspections are AVBL and with 60 MIN PN.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3351.
2. Also refer to AIP Departure and Approach Procedures.

## MOUNT SANFORD STATION

ELEV 759

**FULL NOTAM SERVICE NOT AVBL**

NT 165842S 1303318E UTC +9:30 YMSF  
VAR 3 DEG E UNCR  
AD OPR Heytesbury Cattle Company, Victoria River Downs, PMB 19, via Katherine, NT, 0852.  
PH 08 8975 0773.

## REMARKS

Landing charges apply

## ATS AND AERODROME COMMUNICATION FACILITIES

|     |                 |                    |
|-----|-----------------|--------------------|
| FIA | BRISBANE CENTRE | 123.7 Circuit Area |
|-----|-----------------|--------------------|

**CTAF 126.7**

## CHARTS RELATED TO THE AERODROME

WAC 3222.

## MOURA

**ELEV 482**

**FULL NOTAM SERVICE NOT AVBL**

91 QLD UTC +10 YMOU  
243642S 1495947E VAR 9 DEG E UNCR  
AD OPR Banana Shire Council, PO Box 412, Biloela, QLD, 4715. PH 07 4992 9500;  
0407 377 247. Fax 07 4992 3493.



## ATS AND AERODROME COMMUNICATION FACILITIES

|     |                 |                    |
|-----|-----------------|--------------------|
| FIA | BRISBANE CENTRE | 135.3 Circuit area |
|-----|-----------------|--------------------|

CTAF 126.7

## ADDITIONAL INFORMATION

Gliding OPS HJ. Wire launching.

## CHARTS RELATED TO THE AERODROME

WAC 3340, 3341.

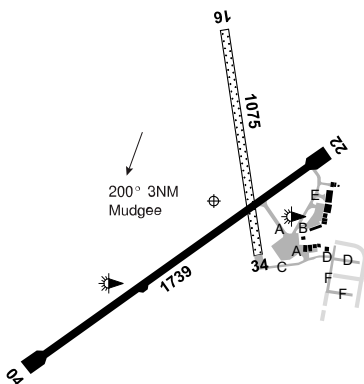
**MUDGE**

ELEV 1545

**AVFAX CODE 2032**

NSW                                                          UTC +10                                                          YMDG  
323345S                                  1493640E                                  VAR 12 DEG E                                  CERT

AD OPR Mid-Western Regional Council, PO Box 156, Mudgee, NSW, 2850. PH 02 6378 2850.  
ARO 0407 784 467. Fax 6378 2815.



REMARKS

AD Charges: ACFT parking on APN - first night free.

HANDLING SERVICES AND FACILITIES

AVGAS and JET A1 AVBL via H24 self serve bowsters activated by Credit Cards and Skyfuel Carnets. PH 0418 862 100 or 02 9791 0599 or refer [www.skyfuel.com.au](http://www.skyfuel.com.au) for site orientation.

AERODROME OBSTACLES

1. TWR LIOL:

a. 1,882FT AMSL BRG 354 DEG MAG 2.05NM FM ARP.  
b. 2,027FT AMSL BRG 016 DEG MAG 2.09NM FM ARP.  
c. 2,145FT AMSL BRG 232 DEG MAG 3.83NM FM ARP.  
d. 1,814FT AMSL BRG 043 DEG MAG 3.14NM FM ARP.
2. TWR MIOL:

a. 2,836FT AMSL BRG 211 DEG MAG 4.37NM FM ARP.  
b. 2,638FT AMSL BRG 083 DEG MAG 2.44NM FM ARP.

METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT D, METAR/SPECI.
2. AWIS PH 02 9353 6439 - Report faults to BoM.

PHYSICAL CHARACTERISTICS

|       |     |     |                                |        |        |
|-------|-----|-----|--------------------------------|--------|--------|
| 04/22 | 041 | 57a | PCN 10 /F /C /1300 (189PSI) /T | WID 30 | RWS 90 |
| 16/34 | 159 | 35c | Unrated. Grass                 | WID 30 | RWS 90 |

AERODROME AND APPROACH LIGHTING

|           |         |           |             |               |
|-----------|---------|-----------|-------------|---------------|
| RWY 04/22 | LIOL(1) | PAL 122.3 |             |               |
| RWY 04    | PAPI(2) | PAL 122.3 | 3.0 DEG45FT | SDBY PWR AVBL |
| RWY 22    | PAPI(3) | PAL 122.3 | 3.0 DEG43FT | SDBY PWR AVBL |

- (1) PAL requires three one-second pulses to activate.
- (2) Left side only. PAPI RWY 04 not to be used beyond circling area limits due to high terrain.
- (3) Left side only

RWY edge light spacing: 04/22: 60M.

OTHER LIGHTING

1. TWY LGT: Blue edge.
2. Secondary PWR switchover time: 1 MIN.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA BRISBANE CENTRE 133.05 Circuit Area

RADIO NAVIGATION AND LANDING AIDS

NDB MDG 398 323355.3S 1493658.5E Range 35 (HN 35)

LOCAL TRAFFIC REGULATIONS

1. All ACFT using RWY 04/22 must takeoff and land using sealed RWY only.
2. ACFT not permitted to taxi on grass islands or on RWY 04/22 grass RWS.

FLIGHT PROCEDURES

Right hand CCTS RQ when OPR on RWY 22 and RWY 16.

CTAF 126.7

ADDITIONAL INFORMATION

1. Bird and animal hazard exists.
2. Caution:

a. RWY 16/34 THR not visible from RWY 04/22 THR.  
b. RWY 04/22 THR not visible from RWY 16/24 THR.

CHARTS RELATED TO THE AERODROME

1. WAC 3456, 3457.
2. Also refer to AIP Departure and Approach Procedures.

## MULLEWA

**ELEV 950**

**FULL NOTAM SERVICE NOT AVBL**

WA UTC +8 YMWA  
282831S 1153103E VAR 1 DEG W UNCR  
AD OPR City of Greater Geraldton Mullewa Office, PO Box 101, Geraldton,  
WA, 6531. PH 08 9956 6643. PH AH 0428 642 914, 0429 456 413,  
0439 930 224 or 0438 628 004.

## PASSENGER FACILITIES

PT.

## AERODROME AND APPROACH LIGHTING

PAL+AA 119.6.

## ATS AND AERODROME COMMUNICATION FACILITIES

|     |                  |              |
|-----|------------------|--------------|
| FIA | MELBOURNE CENTRE | 121.2 6000FT |
|-----|------------------|--------------|

**CTAF** 126.7

## CHARTS RELATED TO THE AERODROME

WAC 3351.

**MUNDUBBERA**

ELEV 400

**FULL NOTAM SERVICE NOT AVBL**

QLD UTC +10 YMDA  
253556S 1511908E VAR 10 DEG E UNCR  
AD OPR North Burnett Regional Council, PO Box 390, Gayndah, QLD, 4625.  
Email: [admin@northburnett.qld.gov.au](mailto:admin@northburnett.qld.gov.au). Council PH 1300 696 272.  
Fax 07 4161 1425.

REMARKS

## PASSENGER FACILITIES

WC/PT/Terminal shelter

## APRONS AND TAXIWAYS

Sealed TWY, RFDS APN and GA APN.

## AERODROME OBSTACLES

Assume transition OLS infringements exist.

## PHYSICAL CHARACTERISTICS

|       |     |                                                           |        |        |
|-------|-----|-----------------------------------------------------------|--------|--------|
| 17/35 | 39a | Unrated. Sealed. RWY LEN 1,200M.<br>Slope 0.2% down to S. | WID 23 | RWS 80 |
|-------|-----|-----------------------------------------------------------|--------|--------|

## AERODROME AND APPROACH LIGHTING

RWY 17/35      LIRL      AFRU+PAL 126.7      SDBY PWR AVBL

## ATS AND AERODROME COMMUNICATION FACILITIES

|     |                 |              |
|-----|-----------------|--------------|
| FIA | BRISBANE CENTRE | 124.1 3000FT |
|-----|-----------------|--------------|

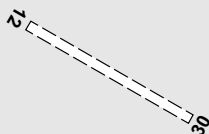
**CTAF - AFRU 126.7**

## ADDITIONAL INFORMATION

Assume bird and animal hazards exist.

## CHARTS RELATED TO THE AERODROME

WAC 3340.

**MUNGINDI****ELEV 600****FULL NOTAM SERVICE NOT AVBL**

NSW  
285802S 1490313E UTC +10 YMGJ  
VAR 10 DEG E UNCR  
AD OPR Moree Plains Shire Council, PO Box 420, Moree, NSW, 2400.  
PH 02 6753 2389: 0429 907 638: Police 6753 2044: Ambulance 131233.

**AERODROME OBSTACLES**

Mast 870FT 223DEG MAG/2,500 FM RWY intersection.

**AERODROME AND APPROACH LIGHTING**

LIRL. PAL 119.65.

**ATS AND AERODROME COMMUNICATION FACILITIES**

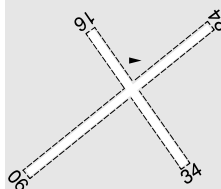
FIA BRISBANE CENTRE 118.95 10,000FT, VHF coverage in circuit area  
on 127.1.

**CTAF** 126.7**ADDITIONAL INFORMATION**

Animal and bird hazard exists.

**CHARTS RELATED TO THE AERODROME**

WAC 3356, 3357.

**MUNGO LODGE****ELEV 270****FULL NOTAM SERVICE NOT AVBL**

NSW  
334442S 1430006E UTC +10 YLMU  
VAR 10 DEG E UNCR  
AD OPR Mungo Lodge, PO Box 250, Buronga, NSW, 2739.

**REMARKS**

PPR before landing.

**PASSENGER FACILITIES**

PT/WC

**PHYSICAL CHARACTERISTICS**

06/24 32c Unrated. Gravel. RWY LEN 974M. WID 11  
16/34 23c Unrated. Gravel. RWY LEN 700M. WID 11

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 122.1

**CTAF** 126.7**ADDITIONAL INFORMATION**

1. Located near Mungo National Park, beware kangaroos, emus and other animals on strip.
2. Latest information CTC 03 5029 7297.

**CHARTS RELATED TO THE AERODROME**

WAC 3458.

**MURGON****ELEV 1025****FULL NOTAM SERVICE NOT AVBL**

QLD  
261510S 1515548E UTC +10 YMRG  
VAR 10 DEG E UNCR

AD OPR Burnett Flyers Inc RAA, Angelfield, Aerodrome Road, Murgon, QLD, 4605.

Email: burnettflyers@yahoo.com.au. PH 07 4168 6248 (fly in only). Mobile 0490 069 550.

Website: www.burnettflyers.org.

**REMARKS**

PPR - PVT AD.

HANDLING SERVICES AND FACILITIES

Closest AVGAS H24 Cardswipe bowser at Kingaroy AD (YKRY).

PASSENGER FACILITIES

WC/TX/AC

AERODROME OBSTACLES

Powerlines at both ends of RWY are below AD level.

PHYSICAL CHARACTERISTICS

RWY 12/30 Unrated grass black clay.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA                      BRISBANE CENTRE                      124.6 4000FT

CTAF 126.7

ADDITIONAL INFORMATION

1. Stock and wildlife hazard exists.
2. Black clay holds water in pools in wet conditions and roads across RWY are both filled to SFC level.
3. Watch for minimal vehicle cross traffic.
4. Weather station and webcam AVBL on website.

CHARTS RELATED TO THE AERODROME

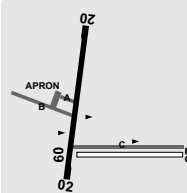
WAC 3340.

MURRAY BRIDGE

ELEV 157

AVFAX CODE 5019

FULL NOTAM SERVICE NOT AVBL



SA  
350352S                      1391336E  
AD OPR Comak Pty Ltd, PO Box 88, Aldgate, SA, 5154.  
Email: ymbdairfield@gmail.com. PH 0408 841 066.  
Website: www.murraybridgeairfield.com.au.

UTC +9:30                      YMBD  
VAR 8 DEG E                      UNCR

REMARKS

1. Private AD. PPR Contact ARO 0900-1700 Local for permission.
2. Operations should be in accordance with the Airport User Manual and information on the aerodrome website.
3. AD charges: apply for non-resident ACFT. Refer to AD website for details.

HANDLING SERVICES AND FACILITIES

AVGAS H24 self-serve swipe bowser on main apron. Credit card (MC and V only).

PASSENGER FACILITIES

WC.

APRONS AND TAXIWAYS

1. Main APN: bitumen. Restricted to 5,700KG MTOW.
2. TWY A and TWY B: 9M wide. Sealed. Bitumen. Restricted to 5,700KG MTOW.
3. TWY C: grass.
4. Maximum tyre pressure for APN and sealed TWY: 850kPa/ 120PSI.

METEOROLOGICAL INFORMATION PROVIDED

TAF CAT D. METAR/SPECI.

PHYSICAL CHARACTERISTICS

|       |     |                                                                                                                                                            |        |
|-------|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| 02/20 | 39a | 5700/850 (123PSI) Unrated. Sealed. RWY 20 THR 90M FM start of sealed strip. RWY 02 THR 60M FM start of sealed strip. RWY LEN 1,200M. Slope 0.4% down to N. | WID 18 |
| 09/27 | 26c | Unrated. Grass. RWY LEN 790M. Slope 2% down to E.                                                                                                          | WID 30 |

AERODROME AND APPROACH LIGHTING

RWY 02/20                      LIRL(1)                      BY PRIOR ARRANGEMENT  
(1) ACT by PAL. PPR FM AD OPR.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA ADELAIDE CENTRE

130.45 Circuit Area

**LOCAL TRAFFIC REGULATIONS**

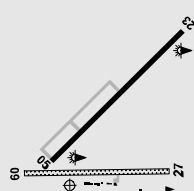
1. Carriage and use of radio is required by AD OPR.
2. ACFT taking off RWY 27 are not visible from THR RWY 02/20.
3. No straight in approaches or joins on the base leg when other traffic is using the circuit.
4. Expect LDG motor-gliders to exit RWY 02/20 via TWY B due to wingspan.

**CTAF** 127.5**ADDITIONAL INFORMATION**

1. Beware of circuit traffic at Rollo's (YRLO) located 2.5NM to NW.
2. CTAF shared with Rollo's (YRLO) and Callington (YCTO).
3. D285 for aerobatic activity, SFC-4000FT, activated by NOTAM.
4. Aerobatic area within 1,000M E and adjacent to RWY 02/20, may occur with prior approval FM the ARO. During aerobatics in this area E from RWY 02/20, the pilot will broadcast intentions on the CTAF, crosswind joins are not recommended and RWY 09/27 will not be available.
5. Pilots are requested to avoid overflying Monarto Zoo (4NM WSW of ARP) below 2,000FT AMSL and avoid overflying the farm building complex (0.8NM ESE of ARP) below 1,200FT AMSL.
6. Intense flying training activity at and in the vicinity of the aerodrome.
7. Glider operations at aerodrome.

**CHARTS RELATED TO THE AERODROME**

WAC 3458.

**MURRAY FIELD****AVFAX CODE 6010****ELEV 56****FULL NOTAM SERVICE NOT AVBL**

WA

323037S

1155000E

UTC +8

VAR 2 DEG W

YMUL

UNCR

AD OPR Royal Aero Club of WA, 41 Eagle Drive, Jandakot Airport, WA, 6164. Email: info@royalaeroclubwa.com.au. PH 08 9417 0000.  
ARO 08 9581 6222. Fax 08 9417 0040.

**REMARKS**

1. Restricted OPS. PPR from AD OPR.
2. LDG fees applicable.

**HANDLING SERVICES AND FACILITIES**

AVGAS AVBL for RACWA OPS. Non RACWA OPS AVBL by appointment 24HR PN. Not AVBL MON.

**AERODROME OBSTACLES**

Numerous high voltage powerlines surround the aerodrome to the N and E.

**PHYSICAL CHARACTERISTICS**

|       |     |                                                  |        |
|-------|-----|--------------------------------------------------|--------|
| 05/23 | 38a | 5700/700 (102PSI) Sealed. RWY LEN 1,159M. WID 18 | RWS 90 |
|       |     | Slope 0.25% down to SW.                          |        |
| 09/27 | 30c | 5700/ Unrated. Gravel. RWY LEN 903M. WID 15      | RWS 60 |
|       |     | Slope 0.22% down to W.                           |        |

**AERODROME AND APPROACH LIGHTING**

RWY 05/23 LIRL AFRU+PAL 119.1

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA PERTH CENTRE

135.25 Circuit Area

**FLIGHT PROCEDURES**

Right hand circuits RWY 05 and RWY 09.

**CTAF - AFRU** 119.1

NOISE ABATEMENT PROCEDURES

- 1. Circuit training permitted only BTN 0700-2200 Local.
- 2. RWY 27 - TKOF not available (Emergency only).
- 3. HEL OPS not permitted west of RWY 05/23. HEL CCTS not permitted RWY 09/27.
- 4. CCTS restricted to ACFT not exceeding 200 horsepower.

ADDITIONAL INFORMATION

- 1. Animal hazard exists.
- 2. CAUTION: Low level aerobatics are conducted within 1NM of AD.
- 3. PJE occur HJ on airfield up to FL150. Pilots advised to monitor CTAF and PH CEN for DZ status.

CHARTS RELATED TO THE AERODROME

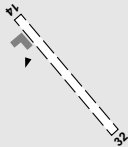
WAC 3462.

MURRAY/MER ISLAND

ELEV 330

AVFAX CODE 4536

FULL NOTAM SERVICE NOT AVBL



QLD  
95456S                      1440319E  
AD OPR Torres Strait Island Regional Council, PO Box 7336, Cairns, QLD, 4870.  
PH 07 4034 5700. ARO 0497 478 562 (H24).

UTC +10  
VAR 5 DEG E  
YMAE  
UNCR

REMARKS

RESTRICTED OPS: PPR from AD OPR.

PHYSICAL CHARACTERISTICS

14/32                      141

ATS AND AERODROME COMMUNICATION FACILITIES

FIA                      BRISBANE CENTRE                      120.3 5,500FT

FLIGHT PROCEDURES

For special procedures which apply to Torres Strait biosecurity requirements, see ERSA GEN - SPECIAL PROCEDURES.

CTAF 126.7

CHARTS RELATED TO THE AERODROME

WAC 3097.

MURRIN MURRIN

ELEV 1535

AVFAX CODE 6107



WA  
284219S                      1215326E  
AD OPR Minara Resources Pty Ltd, Murrin Murrin Operations, PO Box  
Z5523, Perth, WA, 6831. Email: siteservices.supt.coord@glencore.com.au.  
PH 08 9088 5957 (BH). ARO 0408 941 791. Mobile 0408 657 461 (AH).

UTC +8  
VAR 1 DEG E  
YMMI  
CERT

REMARKS

Restricted Operations. PPR from AD Manager/AROs.

HANDLING SERVICES AND FACILITIES

Nil fuel AVBL.

PASSENGER FACILITIES

LG/WC/PT

AERODROME OBSTACLES

- 1. Illuminated WDI 209M N of RWY 03 start of TORA 100M E of RWY CL infringes transitional SFC by 10FT.
- 2. Transient E190 ACFT tail 1,567FT AMSL BRG 209 DEG MAG 885M FM ARP. Infringes TNS by 11FT.



**PHYSICAL CHARACTERISTICS**

03/21 034 66a PCN 22 /F /A /1100 (160PSI) /T Sealed. WID 30 RWS 150

**AERODROME AND APPROACH LIGHTING**RWY 03/21 LIRL SDBY PWR AVBL  
RWY 03/21 PAPI(1) 3.0 DEG50FT SDBY PWR AVBL

(1) Left side.

1. RWY edge light spacing: 03/21: nominal 90M.
2. Lighting manually activated. 30MIN PN.

**OTHER LIGHTING**

1. Secondary PWR switchover time: 10 SEC.
2. TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 118.4 Circuit Area

**LOCAL TRAFFIC REGULATIONS**

1. ACFT ABV 5,7000KG to use MAX RAD MNM speed turns at RWY ends only.
2. Second ACFT PRKG AVBL on RWY adjacent to TWY entrance. NOTAM will be issued advising RWY not AVBL. CTC ARO.

**CTAF - AFRU 126.8**

AFRU signal not AVBL on ground Laverton, Murrin Murrin or Sunrise Dam. AFRU located at Leonora.

**ADDITIONAL INFORMATION**

Mine site 2.5NM, BRG 179DEG M.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3352.
2. Also refer to AIP Departure and Approach Procedures.

**MURWILLUMBAH****ELEV 18****FULL NOTAM SERVICE NOT AVBL**

NSW  
281952S 1532449E  
AD OPR Tweed Shire Council, PO Box 816, Murwillumbah, NSW, 2484.  
PH 02 6670 2400. Website: [www.tweed.nsw.gov.au](http://www.tweed.nsw.gov.au).

UTC +10

VAR 11 DEG E

YMUR

UNCR

**REMARKS**

1. AD Charges: All ACFT.
2. Pilot notes refer to Tweed Shire Council website.
3. Publicly accessible webcams AVBL.

**HANDLING SERVICES AND FACILITIES**

AVGAS AVBL (AH by appointment). PH 02 6672 4545.

**PHYSICAL CHARACTERISTICS**01/19 34c Central 15M of first 500M S of RWY 19 DTHR WID 40 RWS 70  
grass/hard shale. Remainder grass. RWY LEN 1,045M.

RWY 19 DTHR 245M.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 119.5

**LOCAL TRAFFIC REGULATIONS**

1. TWY on NE side of RWY is not AVBL due to drains and trees.
2. In dry conditions, TWY on W and SE sides are AVBL.
3. When RWY wet, taxi on crown with care.
4. Due to industrial buildings at northern end of RWY, ACFT on approach for RWY 19 may not be visible. Please complete all checks in run-up bay provided.

FLIGHT PROCEDURES

- 1. Left hand circuits.
- 2. When departing RWY 19, at 600FT turn due to terrain.

CTAF 127.55

NOISE ABATEMENT PROCEDURES

- 1. No circuits below 1,000 FT.
- 2. RWY 01 - make wide left circuit to reduce noise to Murwillumbah Hospital.

ADDITIONAL INFORMATION

- 1. PJE HJ 1.5NM NW of the airfield.
- 2. Bird hazard exists.
- 3. RWY subject to flooding during high rain/Tweed River flooding events.
- 4. All areas may be unusable due SWS after rain. Airfield not inspected.
- 5. Cleared areas outside gable markers mown, taxi at pilot risk.

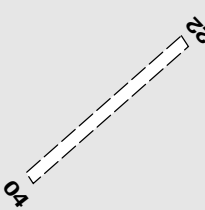
CHARTS RELATED TO THE AERODROME

WAC 3357.

MUTTABURRA

ELEV 753

FULL NOTAM SERVICE NOT AVBL



QLD  
223500S 1443200E UTC +10 YMTB  
AD OPR Barcaldine Regional Council, PO Box 65, Aramac, QLD, 4726. UNCR  
PH 07 4658 7191. ARO 0427 587 191.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA BRISBANE CENTRE 122.1 Circuit Area

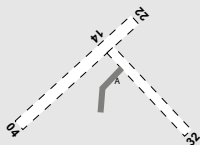
CTAF 126.7

ADDITIONAL INFORMATION

CAUTION: Animal hazard exists

CHARTS RELATED TO THE AERODROME

WAC 3234.

**MYRUP****ELEV 30****FULL NOTAM SERVICE NOT AVBL**

WA

UTC +8

YMYU

334722S

1215725E

VAR 1 DEG E

UNCR

AD OPR Myrup Fly-in Estate, PO Box 2227, Esperance, WA, 6450.

Email: noel.limestones@gmail.com. PH 0427 783 063:

Caretaker 0427 715 846 or 08 9071 5846.

**REMARKS**

1. Landing charge \$10.00 all aircraft. Honesty box on N side of Club House.
2. AD not AVBL HN.

**HANDLING SERVICES AND FACILITIES**

Nil fuel AVBL. Nearest fuel - YESP.

**PASSENGER FACILITIES**

WC/ME (RAAus) Mobile phone coverage on ground.

**METEOROLOGICAL INFORMATION PROVIDED**

YEST (Esperance Town) METAR AVBL.

**PHYSICAL CHARACTERISTICS**

04/22 43c Unrated. Red gravel. RWY LEN 1,300M. RWY 22 DTHR 200M. WID 18  
14/32 30c Unrated. Red gravel. RWY LEN 900M. WID 18

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE

133.2

**CTAF** 126.7**ADDITIONAL INFORMATION**

1. Animal hazard exists especially near dawn and dusk.
2. Caution: ultralight flight training OPS.
3. 120DEG 10 NM FM YESP (CTAF[R]).
4. Access to the terminal building, toilets and ACFT parking via TWY A.

**CHARTS RELATED TO THE AERODROME**

WAC 3461.

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ADDITIONAL INFORMATION

1. Bird, sheep and kangaroo hazard may exist.
2. Airfield located 3NM N of R351A Puckapunyal Military zone.

CHARTS RELATED TO THE AERODROME

WAC 3469.

NANANGO

QLD

264130S

1515912E

AD OPR South Burnett Regional Council, PO Box 336, Kingaroy, QLD, 4610.

Email: [info@southburnett.qld.gov.au](mailto:info@southburnett.qld.gov.au). PH H24 07 4189 9100.

Website: [www.southburnett.qld.gov.au](http://www.southburnett.qld.gov.au).

ELEV 1190

FULL NOTAM SERVICE NOT AVBL

UTC +10

VAR 10 DEG E

YNAN

UNCR

ATS AND AERODROME COMMUNICATION FACILITIES

FIA      BRISBANE CENTRE      121.2

LOCAL TRAFFIC REGULATIONS

MTOW 5,700KG when dry. AD closed when wet.

CTAF 126.7

ADDITIONAL INFORMATION

1. Pilots to be familiar with revised aerodrome information such as RWY length and approach/take-off gradients advised on South Burnett Regional Council website and Facebook page, prior to operating into AD.
2. Bird hazard may exist, pilots to request hazard information by contacting Council prior to operating into AD.

CHARTS RELATED TO THE AERODROME

WAC 3340.

NAPPA MERRIE

QLD

273330S

1410800E

AD OPR Nappa Merrie Station, PMB 6, Leigh Creek, SA, 5731.

PH 07 4655 4315. Fax 07 4655 4318.

ELEV 180

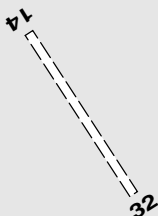
FULL NOTAM SERVICE NOT AVBL

UTC +10

VAR 7 DEG E

YNAP

UNCR



PASSENGER FACILITIES

Telephone facilities not AVBL.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA      BRISBANE CENTRE      118.8 Circuit Area

CTAF 126.7

ADDITIONAL INFORMATION

Animal hazard exists.

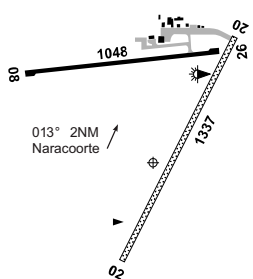
CHARTS RELATED TO THE AERODROME

WAC 3342.

NARACOORTE

ELEV 169

AVFAX CODE 5005



SA  
365907S  
AD OPR Naracoorte Lucindale Council, PO Box 555, Naracoorte,  
SA, 5271. Council PH 08 8760 1100.

1404330E  
UTC +9:30  
VAR 9 DEG E

YNRC  
CERT

**REMARKS**  
Landing Charges: NIL.

**HANDLING SERVICES AND FACILITIES**  
Stark Aviation Pty Ltd: AVGAS AVBL H24. Compac Pay APP required for all credit cards transactions (instructions on bowser), Flying Fuels local card accepted. PH 0412 602 447. Southern JET A1 Pty Ltd: AH Phone 0458 799 678. JET A1 self-serve card swipe bowser AVBL H24. MC and V.

**PASSENGER FACILITIES**  
LG/WC/TX/AC/ME

**SURFACE MOVEMENT GUIDANCE**  
RWY 08/26 - Lateral spacing of lights 30M.

- AERODROME OBSTACLES**
- Two radio masts 581FT AMSL 307DEG MAG, 3.72NM FM ARP.
  - Lit mast 542FT AMSL, 067DEG MAG, 2.23NM FM ARP.

- METEOROLOGICAL INFORMATION PROVIDED**
- TAF CAT D, METAR/SPECI.
  - AWIS PH 08 8150 3810 - Report faults to BoM.

| PHYSICAL CHARACTERISTICS |         |                                  |               |
|--------------------------|---------|----------------------------------|---------------|
| 02/20                    | 018 44c | 5700/520 (75PSI) Unrated. Gravel | WID 23 RWS 90 |
| 08/26                    | 075 34a | 5700/520 (75PSI) Unrated. Sealed | WID 18 RWS 90 |

**AERODROME AND APPROACH LIGHTING**  
RWY 08/26 LIRL AFRU+PAL 126.7  
RWY 08/26 edge light spacing: 60M.

**OTHER LIGHTING**  
TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**  
FIA MELBOURNE CENTRE 125.8 Circuit Area

**CTAF - AFRU 126.7**

- CHARTS RELATED TO THE AERODROME**
- WAC 3469.
  - Also refer to AIP Departure and Approach Procedures.

NAREMBEEN

ELEV 1000

FULL NOTAM SERVICE NOT AVBL

WA  
320700S  
AD OPR Narembeen Shire Council, 1 Longhurst Street, Narembeen, WA, 6369.  
Email: ceo@narembeen.com. PH 08 9064 7308. Fax 9064 7037.

1182500E  
UTC +8  
VAR 1 DEG W

YNRB  
UNCR

**ATS AND AERODROME COMMUNICATION FACILITIES**  
FIA MELBOURNE CENTRE 125.4 Circuit Area

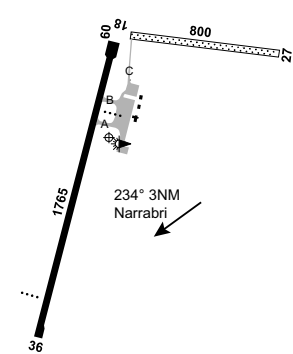
**CTAF 126.7**

**CHARTS RELATED TO THE AERODROME**  
WAC 3462.

NARRABRI

AVFAX CODE 2035

ELEV 782



NSW301909S1494938E

UTC +10VAR 11 DEG E

YNBR CERT

AD OPR Narrabri Shire Council, PO Box 261, Narrabri, NSW, 2390. PH 02 6799 6759 (BH). ARO 0427 101 140 (H24). Fax 6799 6888. Website: [www.narrabri.nsw.gov.au](http://www.narrabri.nsw.gov.au).

REMARKS

AD Charges: refer to website.

HANDLING SERVICES AND FACILITIES

Aero Refuellers: JET A1 (overwing and pressure) and AVGAS H24 CTC ARO 1HR PN. Aero Refuellers carnet, MC and V.

PASSENGER FACILITIES

TX/LG/WC/HC/RF

APRONS AND TAXIWAYS

1. ACFT ABV 5,700KG MTOW limited to TWY A and B.
2. TWY C north of RPT APN limited to 5,700KG AUW and 23M MAX wingspan. MAX overall graded WID 15.4M.
3. Bay 3 on main APN limited to RPT and approved charter ACFT.
4. Aeromedical ACFT to use Bay 4 on main APN.

METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT C, METAR/SPECI.
2. AWIS Phone 02 9353 6441 - Report faults to BoM.
3. AWIS FREQ 122.525 (requires one-second pulse to activate) - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

09/2708526cUnrated. Grassed red sand clayWID 30RWS 90

18/3618258aPCN 32 /F /B /940 (136PSI) /TWID 30RWS 150

AERODROME AND APPROACH LIGHTING

RWY 18/36LIRLAFRU+PAL 126.7SDBY PWR AVBL

RWY 18/36PAPIAFRU+PAL 126.73.0 DEG30FTSDBY PWR AVBL

RWY edge light spacing: 18/36: 60M.

OTHER LIGHTING

1. SDBY PWR switchover time: 15 SEC.
2. TWY LGT: Blue edge on A and B.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

BRISBANE CENTRE

127.1 On Ground

RADIO NAVIGATION AND LANDING AIDS

NDBNBR413301914.7S1494952.1ERange 50 (HN 50)

CTAF - AFRU 126.7

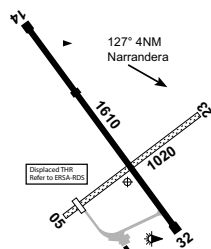
ADDITIONAL INFORMATION

Bird and animal hazard exists.

CHARTS RELATED TO THE AERODROME

1. WAC 3356, 3357.
2. Also refer to AIP Departure and Approach Procedures.



**NARRANDERA****ELEV 474****AVFAX CODE 2204**

NSW 344208S 1463044E UTC +10 YNAR  
 344208S 1463044E VAR 11 DEG E CERT  
 AD OPR Narrandera Shire Council, 141 East Street, Narrandera, NSW,  
 2700. PH 02 6959 5560. ARO 0428 690 518 (H24). Fax 6959 1884.

**REMARKS**

- AD Charges: Landing fees apply all ACFT. For details contact Narrandera Shire Council.
- This AD is a Security Controlled Airport.

**HANDLING SERVICES AND FACILITIES**

Aero Refuellers - 24HR AVGAS bowser accepts Aero Refuellers Card, V and MC.  
 Phone 0413 003 808.

**PASSENGER FACILITIES**

PT/TX/LG/WC

**AERODROME OBSTACLES**

- Anemometer 503FT AMSL 1,516M FM SOT 129M S CL infringes TNS.
- Fence 472FT AMSL 1,841M FM SOT 92M N CL infringes TKOF SFC.
- TKOF RWY 23, trees:
  - 556FT AMSL 1,590M FM SOT 110M S CL infringes TNS.
  - 540FT AMSL 1,520M FM SOT 67M S CL infringes TKOF SFC.
  - 533FT AMSL 1,558M FM SOT 49M S CL infringes TKOF SFC.
  - 496FT AMSL 1,249M FM SOT 36M N CL infringes TKOF SFC.
  - 531FT AMSL 1,450M FM SOT 33M S CL infringes TKOF SFC.
  - 545FT AMSL 1,287M FM SOT 126M N CL infringes TNS.
- TKOF RWY 14, trees:
  - 547FT AMSL 2,550M FM SOT 42M S CL infringes TKOF SFC.
  - 547FT AMSL 2,619M FM SOT 144M S CL infringes TKOF SFC.
  - 548FT AMSL 2,660M FM SOT 22M N CL infringes TKOF SFC.
  - 543FT AMSL 2,538M FM SOT 99M N CL infringes TKOF SFC.
  - 535FT AMSL 2,433M FM SOT 67M N CL infringes TKOF SFC.
  - 525FT AMSL 2,237M FM SOT 132M N CL infringes TNS.
  - 492FT AMSL 1,982M FM SOT 54M N CL infringes TKOF SFC.
  - 504FT AMSL 2,027M FM SOT 100M N CL infringes TKOF SFC.
  - 539FT AMSL 2,505M FM SOT 1M S CL infringes TKOF SFC.
  - 472FT AMSL 1,841M FM SOT 92M N CL infringes TKOF SFC.

**METEOROLOGICAL INFORMATION PROVIDED**

- TAF CAT D, METAR/SPECI.
- AWIS Phone 02 9353 6442 - Report faults to BoM.
- AWIS FREQ 133.45 (requires one-second pulse to activate) - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

|       |     |     |                                              |        |         |
|-------|-----|-----|----------------------------------------------|--------|---------|
| 05/23 | 042 | 33c | 5700/450 (65PSI) Central 30(98) brown gravel | WID 30 | RWS 90  |
| 14/32 | 133 | 53a | PCN 17 /F /B /700 (102PSI) /T                | WID 30 | RWS 150 |

**AERODROME AND APPROACH LIGHTING**

RWY 14/32 LIRL(1) AFRU+PAL 132.85 SDBY PWR AVBL

(1) SDBY PWR AVBL supplied by AD generator in the event of mains PWR failure.

RWY edge light spacing: 14/32: 59M.

**OTHER LIGHTING**

- SDBY PWR switchover time: 15 SEC.
- TWY LGT: Blue edge between RWY 32 THR and RPT APN.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 134.65 Circuit Area

LOCAL TRAFFIC REGULATIONS

Turning nodes at both ends and 540M from THR RWY 14. WID 45.

CTAF - AFRU 132.85

ADDITIONAL INFORMATION

- 1. Bird hazard exists - increased concentrations early morning and late afternoons.
- 2. Model jet ACFT OPS to 1,000FT AGL 349 DEG MAG 12NM FM ARP (Leeton ALA) HJ.

CHARTS RELATED TO THE AERODROME

- 1. WAC 3457.
- 2. Also refer to AIP Departure and Approach Procedures.

NARROGIN

ELEV 1080

FULL NOTAM SERVICE NOT AVBL



WA  
325548S  
AD OPR Narrogin Shire Council, 43 Federal Street, Narrogin, WA, 6312.  
PH 08 9881 1866. Fax 9881 3031.

1170448E  
UTC +8  
VAR 1 DEG W

YNRG  
UNCR

PHYSICAL CHARACTERISTICS

|       |     |                                                      |        |
|-------|-----|------------------------------------------------------|--------|
| 10/28 | 41a | Unrated. Sealed. RWY LEN 1,250M. Central 20M sealed. | WID 30 |
| 18/36 | 39a | Unrated. Sealed. RWY LEN 1,200M. Central 20M sealed. | WID 30 |

AERODROME AND APPROACH LIGHTING

RWY 10/28 LIRL(1) PAL 119.6  
(1) Not inspected.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA MELBOURNE CENTRE 125.4 Circuit Area

CTAF 134.0

ADDITIONAL INFORMATION

- 1. Animal hazard exists.
- 2. Gliding OPS HJ aerotow and winch launched. Radio equipped ACFT to monitor CTAF.
- 3. Aerotow or winch launching operations JF up to 3,500FT AMSL. Winch will be referred to as "Narrogin Winch".

CHARTS RELATED TO THE AERODROME

WAC 3462.

**NARROMINE****ELEV 782****AVFAX CODE 2221**

NSW

UTC +10

YNRM

321252S

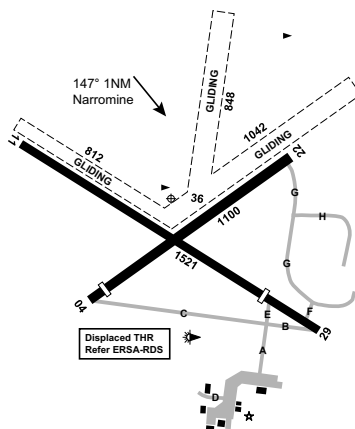
1481329E

VAR 11 DEG E

CERT

AD OPR Narromine Shire Council, PO Box 115, Narromine, NSW, 2821. PH 02 6889 9999:

AH 0417 413 176. ARO 0408 852 931 (H24). Fax 6889 9998.

**HANDLING SERVICES AND FACILITIES**

Inland Petroleum: H24. Phone 0428 607 372, 0417 260 031. AVGAS.

**PASSENGER FACILITIES**

PT/TX (131 008)/AC (02 6889 2129)/RF/WC/ME (02 6889 2366) ME Avionics (02 6889 2733)

**APRONS AND TAXIWAYS**

1. TWY C 5,700KG MAUW.
2. TWY E 2,000KG MAUW.
3. TWY F, G, H and K gravel.
4. TWY L bitumen.

**AERODROME OBSTACLES**

LIOL - 945FT AMSL, 1,900M, 154 M FM RWY intersection.

**PHYSICAL CHARACTERISTICS**

04/22 043 36a PCN 10 /F /B /580 (84PSI) /T  
 11/29 110 50a PCN 10 /F /B /580 (84PSI) /T

WID 30 RWS 90  
 WID 30 RWS 150

**AERODROME AND APPROACH LIGHTING**

RWY 11/29 LIRL PAL 122.4

RWY 11/29 edge light spacing: 60M.

**OTHER LIGHTING**

ABN FLG 10 W

TWY LGT: Blue edge on TWY A and B from APN to end RWY 11.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE

123.9 Circuit Area

**LOCAL TRAFFIC REGULATIONS**

Access to TWY D FM APN not AVBL.

**FLIGHT PROCEDURES**

Gliding OPS HJ. Gliders operate common circuit direction from separate strips alongside RWS.

Glider strips marked by orange gable markers. Also AVBL for tail-skid-equipped ACFT.

Simultaneous OPS NOT permitted.

**CTAF 126.7**

ADDITIONAL INFORMATION

Bird hazard (cockatoos, crows and hawks) exists in VCY of AD. Increased numbers expected between SEP and MAR.

CHARTS RELATED TO THE AERODROME

1. WAC 3456, 3457.
2. Also refer to AIP Departure and Approach Procedures.

NELLY BAY

ELEV 10

FULL NOTAM SERVICE NOT AVBL

QLD  
190943S  
1465113E  
AD OPR The Department of Transport and Main Roads, PO Box 1089, Townsville, QLD, 4810.  
PH 07 4421 8785.

UTC +10  
VAR 7 DEG E  
YNEY  
UNCR

REMARKS

PPR. MIL and EMERG services only. PVT ACFT not permitted.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA BRISBANE CENTRE 120.55 AH

CTAF 118.3

Except when Townsville CTR and restricted areas are active.

CHARTS RELATED TO THE AERODROME

WAC 3219.

NEPEAN AEROSPACE PARK

ELEV 120

FULL NOTAM SERVICE NOT AVBL

NSW  
334340S  
1504057E  
AD OPR Heliport Developers Pty Ltd, 89-151 Old Castlereagh Road, Castlereagh, NSW, 2749.  
Email: info@sydneyhelicopters.com.au. PH 02 9637 4455 H24.

UTC +10  
VAR 12 DEG E  
YNEP  
UNCR

REMARKS

PPR. Private OPS and EMERG services only.

HANDLING SERVICES AND FACILITIES

JET A1 AVBL for EMERG services only with prior approval required.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA SYDNEY CENTRE 124.55

CTAF 126.7

CHARTS RELATED TO THE AERODROME

WAC 3456.

NEWCASTLE REGIONAL HELIPORT

ELEV 24

FULL NOTAM SERVICE NOT AVBL

NSW  
325246S  
1514343E  
AD OPR Aero Logistics Pty Ltd, 10 Laurio Place, Mayfield West, NSW, 2304. PH 02 4960 9322.  
Fax 02 4960 9805.

UTC +10  
VAR 12 DEG E  
YNRH  
UNCR

REMARKS

1. AD CHARGES: \$100/landing.

2. PPR for all OPS - Phone: 02 4960 9322.

HANDLING SERVICES AND FACILITIES

Aero Logistics Pty Ltd: 2200-0800 UTC DLY. Phone 02 4960 9322. JET A1/AVGAS. MC, V, Aerologistics Carnet and authorised account holders accepted.

PHYSICAL CHARACTERISTICS

Concrete Pads area and Grass Parking areas.

**AERODROME AND APPROACH LIGHTING**

Night landing FATO Lights.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 125.7

**FLIGHT PROCEDURES**

1. Approach and departures from E or W remaining over water along the river at all times.
2. DO NOT approach/depart over industrial estate.
3. In low visibility conditions, special attention must be paid to obstacles (high tension powerlines at Sandgate Highway cross river on flight path - height 140FT APRX) near the western flight path profile.

**CTAF** 132.1**CHARTS RELATED TO THE AERODROME**

WAC 3456.

**NEWCASTLE WESTPAC BASE****ELEV 28****AVFAX CODE 2086****FULL NOTAM SERVICE NOT AVBL**

NSW

UTC +10

YXFV

325513S 1514347E

VAR 12 DEG E

UNCR

AD OPR Northern NSW Helicopter Rescue Service Limited, PO Box 230, New Lambton, NSW, 2305. Email: robert.jenkins@rescuehelicopter.com.au. PH 02 4952 0064.

PH AH OPS MGR 02 4952 0064 or 0458 566 878. Website: www.rescuehelicopter.com.au.

**REMARKS**

1. PPR.
2. Private use.

**ATS AND AERODROME COMMUNICATION FACILITIES**

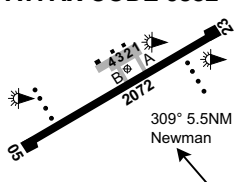
FIA BRISBANE CENTRE 125.7

**CTAF** 132.1**CHARTS RELATED TO THE AERODROME**

1. WAC 3456.
2. Also refer to AIP Departure and Approach Procedures.

**NEWMAN****ELEV 1724****AVFAX CODE 6832**

WA 232504S 1194810E UTC +8 YNWN  
 AD OPR Shire of East Pilbara, PMB 22, Newman, WA, 6753. CERT  
 Email: newmanops@eastpilbara.wa.gov.au. PH Duty ARO 0409 483 651.  
 AD MGR 08 9177 8964: 0428 193 096.

**REMARKS**

1. AD Charges apply - contact AD OPR.
2. This AD is a Security Controlled Airport.

**HANDLING SERVICES AND FACILITIES**

AIR BP: AVGAS, JET A1. 2300-1100 and JO service fee applies AH. Phone/Fax 08 9177 8907, 0438 920 048. H24 Cardswipe bowser for AVGAS and JET A1.

**General**

AD OPR does not provide ACFT marshalling. All requests should be directed to a FBO or RPT Airline.

**PASSENGER FACILITIES**

PT/TX/HC/AC/WC.

SURFACE MOVEMENT GUIDANCE

Drains located airside are not marked.

RESCUE AND FIREFIGHTING SERVICES

CAT 6 OPR HR:

- a. MON 2245-1130 UTC.
- b. TUE 2240-1130 UTC.
- c. WED and THU 2235-1120 UTC.
- d. FRI 2245-0950 UTC.
- e. SAT 0015-0240 UTC.
- f. SUN 0050-0955 UTC.

METEOROLOGICAL INFORMATION PROVIDED

- 1. TAF CAT B, METAR/SPECI.
- 2. AWIS Phone 08 6216 2628 - Report faults to BoM.
- 3. AWIS FREQ 135.05 - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

05/23                    055   68a   PCN 44 /F /B /1500 (218PSI) /T                    WID 30        RWS 150

AERODROME AND APPROACH LIGHTING

RWY 05/23            LIRL                    AFRU+PAL 122.0                    SDBY PWR AVBL  
RWY 05/23            PAPI(1)                AFRU+PAL 122.0                    3.0 DEG55FT                    SDBY PWR AVBL

- (1) Single sided.
- 1. IWI will activate on PAL and flash in last ten minutes of 60MIN cycle HN.
- 2. SDBY PWR activation time 15 SEC.
- 3. RWY 05/23 edge light spacing: 60M.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA                    MELBOURNE CENTRE                    123.4 On Ground

RADIO NAVIGATION AND LANDING AIDS

DME   NWN   117.2/119X        232515.9S        1194811.4E                    (1)  
NDB   NWN   233                    232504.9S        1194750.7E        Range 85 (HN 85)  
VOR   NWN   117.2                    232515.9S        1194810.9E

- (1) Antenna ELEV 1744FT.

LOCAL TRAFFIC REGULATIONS

- 1. Departing ACFT ABV 5,700KG MTOW are required to taxi on RCL to the THR of the RWY in use and turn at the turning nodes.
- 2. All turns on the RWY and turning nodes are to be at MNM speed and MAX radius.
- 3. Arriving ACFT ABV 5,700KG MTOW are to extend the landing roll to the end of the RWY in use and use turning nodes for turning.
- 4. Due to possible RPT APN and terminal congestion during peak periods, all operators of Code 2, 3 and 4 ACFT are to CTC the GND OPR for a slot allocation prior to planning such operations into Newman. This includes planned fuel stops and where Newman is selected as a weather alternate and a diversion is likely.
- 5. Parking on Bays 1, 2 and 3 is restricted to scheduled Air Transport Operations (ATO) ACFT or ACFT approved by the AD OPR. Extended PRKG may be AVBL upon request and fees may apply. PRKG Bay 4 is AVBL for non-scheduled ATO and GA ACFT on request.
- 6. Bay 4 is only to be accessed via TWY B (southern TWY) due to CLR limitations behind ACFT parked on Bays 2 and 3. Bays 1, 2 and 3 are to be accessed via TWY A (northern TWY). Marshalling services are provided for scheduled traffic onto the RPT APN bays. Marshalling and other APN services can be provided to ACFT using Bay 4 upon request.
- 7. For security reasons aircrew and PAX from the GA APN are not to proceed beyond Bay 4 onto the RPT APN. GA access is via gate P1 to the S of Air BP.

8. Light and GA ACFT are to park on the GA APN (southern section). The GA APN is partially line marked with lead in/lead out line markings for the three northern PRKG bays. The remaining PRKG bays adjacent hangars are not line marked and PRKG is at pilot's discretion. Tie-down lines not AVBL.
9. When refuelling at the BP JET A1 bowser, pilots are to keep ACFT clear of the exit/entry gates to the fuel compound used by the BP mobile tanker stationed to the right of the bowser.
10. HEL PRKG area located E side of GA APN marked by 2 parallel blue lines and 4 marked parking bays.

### FLIGHT PROCEDURES

1. Uncontrolled airspace class G.
2. HEL are to air taxi to TWY B for DEP on the RWY in use.
3. Ground to ground communication from RWY end to RWY end unreliable.

### CTAF - AFRU 122.0

### ADDITIONAL INFORMATION

1. An ASIC is required for unescorted authorised airside movement and is to be worn and clearly displayed above the waist. Passengers are to be under escort by an ASIC holder at all times. Other non ASIC holders are to be issued with a VIC by the AD OPR for authorised airside movement under escort by an ASIC holder.
2. Security screening of all air services is mandatory when operating off the RPT APN within the screening period of 1HR before ARR until 30MIN after DEP of screened services. For enquiries concerning security screening RQMNTS CTC the AD OPR.
3. Security Access Gate codes - 4 x pedestrian gates (P1 - P4) are all coded. Access codes are changed regularly in compliance with the Airport Transport Security Plan.
4. Mine blasting sites located 4.8NM N (232016.74S 1194737.98E) and 8NM NW (232132.70S 1194042.84E of AD. Regular blasting at 1100 and 1500 Local DLY. CTC AD OPR for additional blasting times.

### CHARTS RELATED TO THE AERODROME

1. WAC 3229.
2. Aerodrome Obstruction Chart Type A, AVBL from AD OPR.
3. Also refer to AIP Departure and Approach Procedures.

### NGUKURR

**ELEV 45**

### AVFAX CODE 8018

NT

144322S

1344451E

UTC +9:30

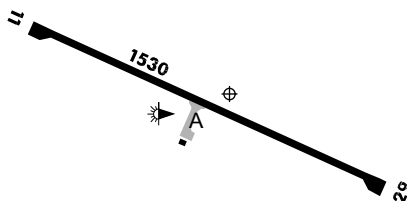
VAR 4 DEG E

YNGU

CERT

AD OPR Roper Gulf Regional Council, CMB 6, Ngukurr Via Katherine, NT, 0852. PH 08 8975 4656.

ARO 0427 636 164.



### REMARKS

Landing fees apply - contact to AD OPR.

### PASSENGER FACILITIES

Shelter at AD with mobile phone coverage. AD is 3KM from Ngukurr for WC.

### METEOROLOGICAL INFORMATION PROVIDED

TAF CAT D, METAR/SPECI.

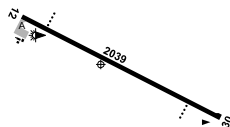
### PHYSICAL CHARACTERISTICS

11/29 111 50c Unrated. Sealed

WID 18 RWS 90

1. WAC 3469.
2. Also refer to AIP Departure and Approach Procedures.



**NIFTY****ELEV 968****AVFAX CODE 6828**

WA

214025S

1213541E

UTC +8

VAR 2 DEG E

YCNF

CERT

AD OPR Nifty Copper Pty Ltd, Unit 1, 437 Roberts Rd, Subiaco, WA, 6008. Email: wayne.derench@cypriummetals.com.

Email: nifty.airport@cypriummetals.com. PH ARO 0473 214 073:

Site 08 6374 1500.

**REMARKS**

Restricted OPS: PPR from AD OPR.

**HANDLING SERVICES AND FACILITIES**

Nil fuel AVBL.

**AERODROME OBSTACLES**

1. Unlit mast 1,192FT AMSL BRG 016 DEG MAG 833M FM ARP. Infringes inner HZS by 79FT.
2. E190 ACFT tail when positioned at Bay 1, infringes TNS by 2FT.

**PHYSICAL CHARACTERISTICS**

12/30 116 67a PCN 23 /F /A /850 (123PSI) /T Sealed. RWS Graded WID 30 RWS 90

**AERODROME AND APPROACH LIGHTING**

RWY 12/30 PAPI(2) AFRU+PAL 126.7 3.0 DEG48FT

RWY 12/30 PTBL(1)

BY PRIOR ARRANGEMENT

(1) EMERG only - 60MIN PN

(2) Left side. PAL 30MIN cycle.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE

134.5 Circuit area

UNICOM NIFTY UNICOM

133.1 (1)

(1) CS "Nifty Base".

**LOCAL TRAFFIC REGULATIONS**

1. All ACFT ABV 5,700KG MTOW to make MAX RAD MNM speed turns at RWY ends only to avoid SFC damage.
2. Bay 2 restricted to Code B ACFT and BLW when Bay 1 is occupied by Code C ACFT.
3. RWS not maintained for ACFT OPS.

**CTAF - AFRU 126.7****CHARTS RELATED TO THE AERODROME**

1. WAC 3230.
2. Also refer to AIP Departure and Approach Procedures.

**NOOSA****ELEV 3****FULL NOTAM SERVICE NOT AVBL**

QLD

UTC +10

YNSH

262524S

1530348E

VAR 11 DEG E

UNCR

AD OPR Noosa Airfield, 187 Lake Weyba Drive, Noosaville, QLD, 4566.

Email: admin@noosaairfield.com.au. PH 0400 902 166.

**REMARKS**

1. Restricted OPS, PVT, PPR from AD OPR. PPR must be obtained by PH, SMS or email not accepted.
2. AD Charges: All ACFT.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

129.0 Circuit Area

**FLIGHT PROCEDURES**

RHC RWY 11 and Fly Neighbourly.

**CTAF 126.7**

CHARTS RELATED TO THE AERODROME

WAC 3340.

NORFOLK ISLAND

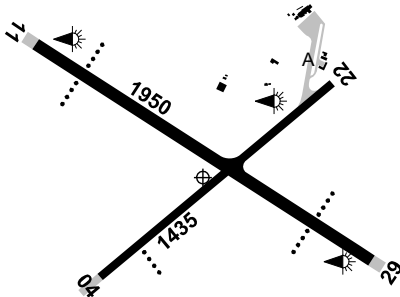
ELEV 371

AVFAX CODE 2402

OTH290233S1675617EUTC +11VAR 15 DEG EYSNFCERT

AD OPR Norfolk Island Regional Council, PO Box 149, Norfolk Island, NSW, 2899.

Email: info@airport.gov.nf. PH Primary +6723 22445: Secondary: +6723 23666. Fax +6723 23201.



REMARKS

- 1. This AD is a Security Controlled Airport.
- 2. All non air transport operational ACFT must obtain prior approval from the Airport Manager, Norfolk Island AD. 24HR PN required.
- 3. Local OPR MNM 60MIN advice of intention to OPR. YSNF.
- 4. ACFT movement and parking fees apply. See council fees and charges schedule.
- 5. 30MIN on call ARO response time to the airport for an emergency situation.

HANDLING SERVICES AND FACILITIES

**Fuel:** Burnt Pine Fuel - Phone BH/Fax +6723 24122, Mobile +6723 50498 or +6723 56750, Company FREQ 131.9. Limited stocks, confirm availability before DEP for Norfolk Island. AVGAS, JET A1. VISA, MC and Cash only.

**Ground Handling:** Burnt Pine Travel Airport Services - Phone BH +6723 22196, Mobile +6723 50190 or +6723 56643, Company FREQ 131.9.

RESCUE AND FIREFIGHTING SERVICES

CAT 6 - CTC +6723 22049:

- a. 2100 - 0700 UTC TUE
- b. 2100 - 0630 UTC WED and FRI
- c. 0130 - 0500 UTC THU and SUN
- d. 2200 - 0630 UTC SAT

SURFACE MOVEMENT GUIDANCE

THR - green; RWY ends - red; pavement ends - blue.

AERODROME OBSTACLES

- 1. AD HBN and ABN located on Mount Pitt, situated 344DEG/1.4NM from AD (ELEV 1,065FT AMSL).
- 2. Secondary LIT WDI 345FT AMSL BRG 99 MAG 713M FM ARP. Infringes TNS.
- 3. Secondary LIT WDI 393FT AMSL BRG 304 MAG 1,008M FM ARP. Infringes TNS.

METEOROLOGICAL INFORMATION PROVIDED

- 1. TAF CAT A, METAR/SPECI, AD WRNG.
- 2. AWIS Phone 02 9353 6443 - Report faults to BoM.

PHYSICAL CHARACTERISTICS

04/2203547aPCN 12 /F /C /580 (84PSI) /UWID 30RWS 9011/2910764aPCN 49 /F /B /1410 (205PSI) /T GroovedWID 45RWS 150

Both side of RWY 04/22 TNS infringed.

**AERODROME AND APPROACH LIGHTING**

|           |         |             |                      |
|-----------|---------|-------------|----------------------|
| RWY 04/22 | LIRL    |             | SDBY PWR AVBL        |
| RWY 04/22 | PTBL(2) |             | BY PRIOR ARRANGEMENT |
| RWY 04    | PAPI(1) | 3.0 DEG50FT | SDBY PWR AVBL        |
| RWY 04    | RTIL    |             | SDBY PWR AVBL        |
| RWY 11/29 | MIRL    |             | SDBY PWR AVBL        |
| RWY 11/29 | PAPI    | 3.0 DEG50FT | SDBY PWR AVBL        |
| RWY 11/29 | PTBL(2) |             | BY PRIOR ARRANGEMENT |
| RWY 11/29 | RTIL    |             | SDBY PWR AVBL        |

(1) Right side only

(2) EMERG only. 90MIN PN.

RWY edge light spacing: 11/29: 60M; 04/22: 60M.

**OTHER LIGHTING**

|     |           |                                                                     |
|-----|-----------|---------------------------------------------------------------------|
| ABN | ALTN 8 WG | On Mount Pitt (ELEV 1065FT AMSL) 344DEG/1.4NM from ARP.             |
| HBN | OCC R     | MIOL - Located Mount Pitt (ELEV 1065FT AMSL) 344DEG/1.4NM from ARP. |

1. Secondary PWR switchover time: 11 SEC.

2. TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

|        |                                |                            |
|--------|--------------------------------|----------------------------|
| FIS    | AUCKLAND SP6 INTL HF WI SELCAL | 3467 5643 8867 13261 17904 |
| UNICOM | NORFOLK ISLAND UNICOM          | 118.1 (1)                  |

(1) CS "Norfolk UNICOM". OPR HO.

**RADIO NAVIGATION AND LANDING AIDS**

|     |    |            |           |            |                 |     |
|-----|----|------------|-----------|------------|-----------------|-----|
| DME | NF | 112.4/ 71X | 290250.8S | 1675553.3E |                 | (2) |
| NDB | NF | 260        | 290026.1S | 1675515.0E | OW 70 (OW HN70) | (3) |
| VOR | NF | 112.4      | 290250.4S | 1675555.8E |                 | (1) |

(1) Pilot monitored

(2) Antenna ELEV 331FT - Pilot monitored.

(3) 144/2.3 to ARP - Pilot monitored

**LOCAL TRAFFIC REGULATIONS**

- All ACFT must use RWY end turning nodes. Any backtracking turns made prior to the RWY end turning nodes may encounter fees due SFC damage.
- Operators of jet ACFT are requested to use MNM power when turning or taxiing on apron and MAX radius turn on exiting PRKG bays.
- RWY 04/22 OPS restricted to ACFT 5,700KG or BLW with the FLW exceptions.
  - ACFT up to and including DH8C may use RWY 04/22 if RWY 11/29 is operationally unsuitable; and
  - The section of RWY 04/22 BTN the apron exit and the intersection of the RWY is AVBL as a TWY by all ACFT using RWY 11/29.

**FLIGHT PROCEDURES**

- Pilots are reminded that NZ altimetry setting PROC are applicable when OPR into and out of Norfolk Island.
- NZ regulations require aircraft flying within the Auckland Oceanic FIR to maintain vertical position with reference to standard pressure 1,013 HPA, with the exception that within proximity to the Norfolk Island AD aircraft must maintain altitude with reference to aerodrome QNH.
- Right hand CCTS RQ when OPR on RWY 04 and 11 due to Mount Pitt, located 344DEG/ 1.4NM from AD (ELEV 1,065FT AMSL).

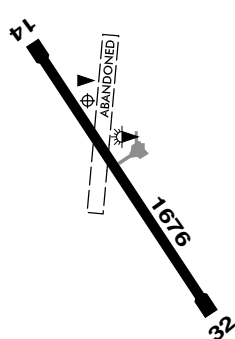
**CTAF** 118.1

**ADDITIONAL INFORMATION**

1. Significant bird hazard at Philip Island (160DEG/5NM from AD, ELEV 913FT AMSL), and Nepean Island (131DEG/2.5NM from AD, ELEV 108FT AMSL).
2. Briefing services and flight information AVBL through Briefing Office on Phone 02 6268 5062 or Fax 02 6268 5033.
3. Weather balloon launch APRX 2315 UTC FM 420M SW ARP. Launches may occur at other times.
4. SARWATCH: The responsibility of SAR for ACFT movements at Norfolk Island belongs with New Zealand.
5. Actual weather conditions can change rapidly and vary from forecasts.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3359.
2. Aerodrome Obstruction Chart Type A: RWY11/29, 1st Edition (April 2021).
3. Also refer to AIP Departure and Approach Procedures.

**NORMANTON****ELEV 73****AVFAX CODE 4517**

QLD  
174106S 1410413E UTC +10 YNTN  
VAR 6 DEG E CERT  
AD OPR Shire of Carpentaria, PO Box 31, Normanton, QLD, 4890.  
PH 07 4745 2200: AH 0429 303 112. ARO 0429 303 112 H24.  
Fax 4745 1340.

**REMARKS**

1. AD Charges: All ACFT
2. This AD is a Security Controlled Airport.

**HANDLING SERVICES AND FACILITIES**

World Fuel Services (WFS): H24 AVGAS bowser WFS cardswipe and credit card (via smartphone APP). AVGAS and JET A1 tankers. WFS Carnet card, EFTPOS and cash. 0800-1700 Local MON-FRI AH by arrangement. Call-out fee applies. 90MIN PN. PH: 07 4745 1615 or 0474 073 734 (H24). Email: wfsnormanton@gmail.com.

**PASSENGER FACILITIES**

PT/TX/AC/WC/RF/HC and airport shuttle.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT C, METAR/SPECI.
2. AWIS Phone 07 3564 3730 - Report faults to BoM.
3. AWIS FREQ 133.1 - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

14/32 141 55a PCN 8 / F / A / 830 (120PSI) / U

WID 30 RWS 150

**AERODROME AND APPROACH LIGHTING**

RWY 14/32 LIRL AFRU+PAL 126.7

SDBY PWR AVBL

RWY 14/32 edge light spacing: 60M.

**OTHER LIGHTING**

1. TWY LGT blue edge.
2. ABN not AVBL.
3. Secondary PWR switchover time: 15 SEC.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 118.6 On Ground

**RADIO NAVIGATION AND LANDING AIDS**

NDB NTN 311 174144.7S 1410422.9E Range 120 (HN 85) OW (1)  
180 (OW HN120)

(1) 344/0.8 to ARP.

**LOCAL TRAFFIC REGULATIONS**

Parking of non-RPT ACFT ABV 5,700KG is AVBL after prior approval from AD OPR. All other ACFT, except RPT ACFT, must park in light ACFT area to N of main apron.

**CTAF - AFRU** 126.7

**CHARTS RELATED TO THE AERODROME**

1. WAC 3220.
2. Also refer to AIP Departure and Approach Procedures.

**NORMANTON HELIPAD****ELEV 70****FULL NOTAM SERVICE NOT AVBL**

QLD

UTC +10

YNTH

174039S

1410406E

VAR 6 DEG E

UNCR

AD OPR Kristen Kuskopf, PO Box 487, Normanton, QLD, 4890.

Email: gulfilandmotel@bigpond.com. PH 07 4745 1290. ARO AH 0417 482 692.

Mobile 0448 543 239.

**REMARKS**

PPR CTC AD OPR - day use only.

**PASSENGER FACILITIES**

WC/RF/TX/HC/AC. Transfers to and from Normanton Airport AVBL upon request.

**PHYSICAL CHARACTERISTICS**

Helipad - 30M x 30M. Hard gravel.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

118.6

UNICOM NORMANTON HELIPAD UNICOM

126.7 (1)

(1) CS "Normanton UNICOM".

**CTAF** 126.7

**CHARTS RELATED TO THE AERODROME**

WAC 3220.

**NORSEMAN****ELEV 866****AVFAX CODE 6304****FULL NOTAM SERVICE NOT AVBL**

WA

UTC +8

YNSM

321234S

1214516E

VAR 1 DEG E

UNCR

AD OPR Shire of Dundas, Princep Street, Norseman, WA, 6443.

Email: ceo@dundas.wa.gov.au. PH AD General MNGR 0429 391 291:

▶ AD MNGR 0427 391 359: 24H EMERG 08 9039 1401. Fax 08 9039 1359.

**REMARKS**

AD Charges: Apply to all ACFT

**AERODROME OBSTACLES**

Unlit mast 1,435FT AMSL BRG 081 DEG MAG 2.4NM FM ARP.

**METEOROLOGICAL INFORMATION PROVIDED**

1. METAR/SPECI.
2. AWIS PH 08 6216 2629 - Report faults to BoM.

**PHYSICAL CHARACTERISTICS**

01/19

47a 5700/800 (116PSI) Sealed. RWY LEN 1,419M. WID 30 RWS 150  
Slope level.

**AERODROME AND APPROACH LIGHTING**

RWY 01/19 Solar HN - EMERG use only.

**OTHER LIGHTING**

TWY LGT: None.

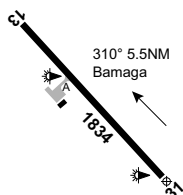
**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA

MELBOURNE CENTRE

133.2 6000FT

WAC 3351, 3462.

**NORTHERN PENINSULA****ELEV 34****AVFAX CODE 4509**

QLD

105703S

1422734E

UTC +10

VAR 5 DEG E

YNPE

CERT

AD OPR Northern Peninsula Area Regional Council, 200 Adidi Street,  
Bamaga, QLD, 4876. Email: bamagaairport@nparc.qld.gov.au.

PH AD Manager/ARO 07 4090 4134. ARO 0419 413 920.

Website: www.nparc.qld.gov.au.

**REMARKS**

- AD charges are AVBL from Northern Peninsula Area Regional Council website.
- Alcohol is restricted in the Northern Peninsula Area which includes the Shires of Bamaga, Injinoo, New Mapoon, Seisia and Umagico. Heavy penalties apply. Special provisions apply for alcohol being transported on consignment, and restrictions may vary from time to time. Further information on alcohol restrictions is available by calling 13 QGOV (13 74 68) or at: <https://www.datsip.qld.gov.au/programs-initiatives/community-alcohol-limits>

**HANDLING SERVICES AND FACILITIES**

JET A1 and AVGAS credit card H24 self-service only, under wing JET A1 account only,  
2200-0700 UTC MON-FRI. AH call-out fee applies, Phone AD Manager/ARO,  
EMERG SAT Phone 0405 895 776.

**PASSENGER FACILITIES**

WC/LG/HC. Mobile phone reception - Telstra only.

**AERODROME OBSTACLES**

Unlit mast 83FT AMSL BRG 307 MAG 1,240M from ARP. Infringes TNS by 6FT.

**PHYSICAL CHARACTERISTICS**

13/31 132 60a PCN 8 / F / C / 805 (117PSI) / U

WID 30 RWS 90

**AERODROME AND APPROACH LIGHTING**

RWY 13/31 LIRL PAL+AA 126.6

SDBY PWR AVBL

RWY edge light spacing: 13/31: 57.31M.

**OTHER LIGHTING**

- TWY LGT: Blue edge.
- APN lighting activated with RWY lighting.
- Secondary PWR switch over time: 15SEC.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

120.3 Circuit area

**LOCAL TRAFFIC REGULATIONS**

- Pilots are REQ to execute MAX RAD turns to RWY to prevent pavement damage.
- HEL landing not permitted on RWY 13/31.
- HEL greater than 3,000KG MTOW to use marked HLS only unless operationally required.
- Code C ACFT using Bay 2 are required to park according to the designated line markings only.

**CTAF** 126.5

**ADDITIONAL INFORMATION**

Bird hazard exists year round H24.

**CHARTS RELATED TO THE AERODROME**

- WAC 3097.
- Also refer to AIP Departure and Approach Procedures.

NOVA

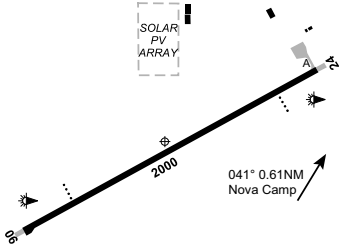
ELEV 962

AVFAX CODE 6313

WA  
315043S  
AD OPR IGO Nova Pty Ltd, Level 5, 85 South Perth Esplanade, South Perth, WA, 6151.  
Email: nova.aro@igo.com.au. PH 08 6278 5300. ARO 0427 569 087.

1231131E  
UTC +8  
VAR 1 DEG E

YNOV  
CERT



REMARKS

Restricted OPS: 24 HR PPR from AD OPR.

HANDLING SERVICES AND FACILITIES

- 1. Ground handling agents - contact AD OPR.
- 2. Fuel facilities - JET A1 Private fuel facilities - PPR.

PHYSICAL CHARACTERISTICS

06/24      060   66a   PCN 38 /F /B /1400 (203PSI) /T Sealed

WID 30    RWS 150

AERODROME AND APPROACH LIGHTING

RWY 06/24    LIRL      AFRU+PAL 126.7

RWY 06/24    PAPI      AFRU+PAL 126.7      3.0 DEG52FT

RWY edge light spacing: 06/24: 60M.

SDBY PWR AVBL

SDBY PWR AVBL

OTHER LIGHTING

- 1. SDBY PWR manually activated, 60MIN PN.
- 2. TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA      MELBOURNE CENTRE      125.75 10000FT

LOCAL TRAFFIC REGULATIONS

- 1. PRKG on Bay 1 AVBL to F100 or BLW.
- 2. PRKG on Bay 2 AVBL to E190 or BLW.
- 3. Bay 2 unavailable if secondary bays are occupied.
- 4. Secondary PRKG Bay 2A unavailable if Bay 2 is occupied.
- 5. Secondary PRKG Bays are for ACFT with MAX wingspan 16.6M and MAX length 13.3M.
- 6. All itinerant ACFT under 5,700KG are to liaise with the AD Supervisor for bay allocation.
- 7. ACFT ABV 5,700KG must use RWY THR turning nodes with all turns to be at MNM speed and MAX radius.

CTAF - AFRU 126.7

CHARTS RELATED TO THE AERODROME

- 1. WAC 3352.
- 2. Also refer AIP Departure and Approach Procedures.



**NOWRA****ELEV 400****AVFAX CODE 2122**

NSW

UTC +10

YSNW

345656S

1503213E

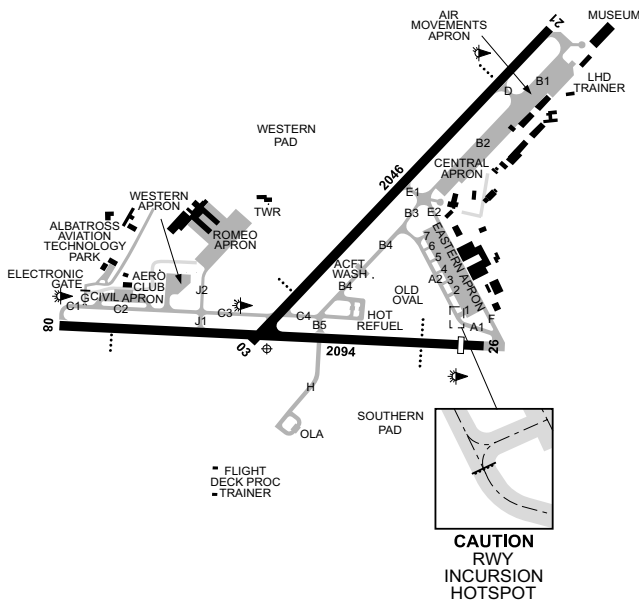
VAR 13 DEG E

MIL

AD OPR NAVY, Naval Air Station Nowra, NSW, 2540. Email:

albatross.airoperations@defence.gov.au. PH Airfield Coordination Centre: 02 4449 2161:

AH Duty Officer 0411 127 367.

**REMARKS**

1. **MIL OPS ONLY.** NAVAID training for CIV ACFT AVBL outside of ATS hours.
2. Visiting MIL ACFT 24HR PN to Airfield Coordination Centre. All visiting MIL aircrew conducting flying activities at Nowra (YSNW) and Jervis Bay Airfield (YJBY) are to read and comply with FIHA AD2 supplement Nowra.
3. Due to proximity of Navy restricted areas, NWX and TSX should be included when checking NOTAM.

**HANDLING SERVICES AND FACILITIES**

Fuel not AVBL for visiting civil ACFT.

F44, O147, H576, H515, E10, E13.

Aircraft PIC should be prepared to refuel aircraft as only tanker driver provided.

**General**

MARSHALLING Provided - PN.

ACFT wash FAC on the FLW FREQ:

WASH 1 - EC135 size ACFT - 376.75;

WASH 2 - H60 size ACFT - 377.75;

WASH 3 - C130 size ACFT - 378.75.

**RESCUE AND FIREFIGHTING SERVICES**

1. CAT 5 AVBL 2300-1300 UTC MON-THU and 2300-0600 UTC FRI EXC PH.
2. During HDS CAT 5 2200-1300 UTC MON-THU and 2200-0500 UTC FRI EXC PH.
3. CAT 4 OT.
4. CAT 6 AVBL 72HR PN.
5. CAT 5 or CAT 6 outside published HR will be at cost to user.
6. RFFS MNT 118.85MHz outside AD HR.

APRONS AND TAXIWAYS

- Low strength bitumen areas outside TWY sidelines not AVBL for taxi.
- TWY G and Civil APN PCN 12/C.
- TWY J, H and R APN PCN 19/C.
- Central APN PCN 7/C.
- TWY B and C infringe RWS. MNM 41M wing tip CLR BTN C17 on RWY 03/21 and C17 on TWY B. MNM 11M wing tip CLR BTN C17 on RWY 08/26 and C17 on TWY C. ACFT with a wing span of 36M or greater can perform LDG or TKOF OPS to the RWY with the respective parallel TWY being occupied provided that:
  - conditions are VMC;
  - neither ACFT is subject to an emergency;
  - the RWY is dry or wet but not contaminated;
  - the parallel TWY is occupied by an ACFT with a wingspan less than 36M.
- TWY A2 Inverts 1 and 2 are 14M wide, fixed wing ACFT to exercise caution when using these inverts. Inverts 3 to 6 are 6.6M wide, AVBL MIL HELO only. Invert 7 is 19M wide.
- TWY E2 and J2 helicopters only. Fixed wing approved on REQ.
- TWY A1, C and F shoulders 1-2M WID.

SURFACE MOVEMENT GUIDANCE

- Distance to run markers (lit) located both sides of all runways.
- TWY A RWY 26 holding point located at non-standard position on TWY A2 prior to TWY A1. Holding point marked by pavement marking, lights and MAG sign.

AERODROME OBSTACLES

- Lit OBST. MET sensor masts 43FT AGL outside RWS as follows:
  - Mast S ABM RWY 26 PAPI, N ABM HP C/RWY 03, W RWY 21 ABM ILS;
  - Masts at FLT deck PROC trainer helipad 0.37NM S THR RWY 03.
- RWY 21 2% APCH SFC infringed by:
  - Trees both sides of RCL WI 493M FM THR up to 63FT ABV THR ELEV.
  - Fence Along Road on RCL WI 422M FM THR 25FT ABV THR ELEV.
  - Transient OBST on Road 177M FM THR along RCL up to 18FT ABV THR ELEV.
  - Transient OBST on Road 435M FM THR along RCL up to 36FT ABV THR ELEV.
- Lit OBST radar 45FT AGL BRG 327 MAG 0.2NM FM ARP.
- TACAN 51FT AGL BRG 240 MAG 350M FM ARP. Infringes RWY 03/21 TKOF/APCH SFC by 42FT.

METEOROLOGICAL INFORMATION PROVIDED

- TAF CAT B, METAR/SPECI, TAF3 issued hourly AVBL during MO HR (2100-1000 UTC MON-THU, 2100-0500 UTC FRI, EXC PH, OT by TAF RMK/NOTAM).
- AWIS Phone 02 9353 6444 - Report faults to BoM.
- AWIS FREQ 125.65, 280.4, 359 - Report faults to 02 4424 1269.
- MET INFO AVBL FM Airservices Pilot Briefing. Elaborative briefing FM RAN MO 02 4424 1269 when staffed. AH AVBL FM MWO 02 9296 1527.

PHYSICAL CHARACTERISTICS

- |       |     |     |                                |        |         |
|-------|-----|-----|--------------------------------|--------|---------|
| 03/21 | 032 | 67a | PCN 43 /F /C /2000 (290PSI) /T | WID 45 | RWS 230 |
| 08/26 | 082 | 69a | PCN 43 /F /C /2000 (290PSI) /T | WID 45 | RWS 150 |
- Movement Area sweeping occurs MON-FRI (PH excluded). WAE will clear/vacate when OPS are indicated.
  - RWY 03/21 and 08/26 shoulders 1-2M WID.

**AERODROME AND APPROACH LIGHTING**

|           |            |              |               |
|-----------|------------|--------------|---------------|
| RWY 03/21 | HIRL       | PAL+AA 122.2 | SDBY PWR AVBL |
| RWY 03/21 | PTBL(2)    |              |               |
| RWY 03    | PAPI(1)    | 3.0 DEG52FT  | SDBY PWR AVBL |
| RWY 21    | HIAL-CAT I |              | SDBY PWR AVBL |
| RWY 21    | PAPI(3)    | 3.0 DEG50FT  | SDBY PWR AVBL |
| RWY 08/26 | HIRL       | PAL+AA 122.2 | SDBY PWR AVBL |
| RWY 08/26 | PTBL(2)    |              |               |
| RWY 08/26 | SALS       |              | SDBY PWR AVBL |
| RWY 08    | PAPI(4)    | 3.0 DEG57FT  | SDBY PWR AVBL |
| RWY 26    | PAPI       | 3.0 DEG52FT  | SDBY PWR AVBL |

(1) Left side.

(2) 30MIN PN

(3) Right side only. Aligned with ILS GP.

(4) Right side

**1. ALS type and length**

a. RWY 21 - distance coded CL: 724M.

b. RWY 08/26 - distance coded CL: 240M.

2. Caution: some obstruction LGT not Light Enhancement device (NVG) compatible.

3. SDBY PWR AVBL. 15SEC nominal interruption.

**OTHER LIGHTING**

ABN ALTN 10 WG ELEV 681FT. Co-located with radar antennae BRG 055 DEG  
MAG 1.86NM FM ARP.

TWY light: Green CL.

**ATS AND AERODROME COMMUNICATION FACILITIES**

|      |                       |                                         |
|------|-----------------------|-----------------------------------------|
| FIA  | MELBOURNE CENTRE      | 121.2 Circuit Area (Outside APP/TWR HR) |
| ACC  | NOWRA CENTRE          | 132.3 325.8                             |
| ACD  | NOWRA DELIVERY        | 128.35 (3)                              |
| AFIS | NOWRA INFORMATION (5) | 118.85                                  |
| APP  | NOWRA APPROACH        | 123.5 243.0 352.15                      |
| ATIS | NOWRA                 | 125.65 (4) 280.4 (4) 359 (2)            |
| SMC  | NOWRA GROUND          | 135.85                                  |
| SMCV | NOWRA GROUND          | 122.05                                  |
| TWR  | NOWRA TOWER           | 118.85 243.0 (1) 267.2 359 (2)          |

(1) Guarded ATS HR. Test transmissions on 243.0 not exceeding 10 SEC 2115-2130 on the first working day of each week.

(2) Transmits voice to ACFT with COM failure.

(3) Start Clearance not RQ unless specified by NOTAM or ATIS.

(4) ATIS and AWIS BCST (AWIS not AVBL DRG ATS HRS) AVBL H24 on 125.65, 280.4, 359 and Phone 02 9353 6444.

(5) Nowra AFIS, IAW AIP GEN 3.3, OPR during HR of CTAF. AFIS OPR status notified on ATIS. IFR ACFT are to make taxi, DEP and ARR reports to ML CEN for SARWATCH during AFIS. AD LGT controlled by AFIS OPR.

1. ATS hours notified by R421A/B NOTAM (refer NWX). Outside ATS hours CTAF procedures apply. ATS may be ACT at short notice, check YSNW ATIS for status.

2. TAR AVBL ATS HRS to meet planned MIL RQMNTS. MAINT period when not RQ for MIL purposes as notified by NOTAM.

3. Automatic retransmit FAC exists BTN FLW FREQ: 123.5/352.15/118.35, 118.85/267.2.

4. FAC may be unmanned DRG ATS HR.

5. Nowra Approach FREQ 118.35: Jervis Bay (Bhewerre Ridge Repeater) - Use only when directed by ATC or when poor COM with APP BTN YJBY S to UDA.

6. Listening watch not AVBL.

## RADIO NAVIGATION AND LANDING AIDS

|     |     |                    |           |            |              |
|-----|-----|--------------------|-----------|------------|--------------|
| DME | INA | 108.5/ 22X (RWY21) | 345613.6S | 1503253.3E | (5)          |
| GP  | INA | 329.9 (RWY21)      | 345613.6S | 1503253.2E | (4)          |
| ILS | INA | 108.5 (RWY21)      | 345706.0S | 1503159.1E | (3)          |
| LOC | INA | 108.5 (RWY21)      | 345706.0S | 1503159.1E | (2)          |
| NDB | NWA | 359                | 345704.4S | 1503147.2E | Range 90 (1) |
| TAC | NWA | 116.4/111X         | 345700.2S | 1503159.8E |              |

### (1) Limitations:

- a. Unreliable at MSA in sector 170DEG through north to 030DEG beyond 10NM. Voice AVBL to ACFT with COM failure.
- b. Limited coverage to 72NM on 245 RAD at all levels.
- (2) LOC guidance not to be used outside 20DEG either side of centreline.
- (3) ILS Critical Area not protected outside ATS HR.
- (4) GP not to be used outside 6 DEG right of centreline.
- (5) Antenna ELEV 118FT.

All NAV AIDS Pilot MNT outside ATS HR.

## LOCAL TRAFFIC REGULATIONS

1. Start CLR not RQ unless specified by NOTAM or ATIS. When specified by NOTAM or ATIS, start CLR RQMNTS shall apply to all ACFT WI 5NM of AD due PJE OPS.

### 2. TRAINING FLIGHTS

- a. 24HR PPR for all visiting ACFT intending to conduct an INSTR APCH FM Airfield Coordination Centre and a PLN must be submitted for NAVAID training.
- b. For CIV ACFT, a safety pilot is to be carried as per *CASR 91.720*.
- c. Visiting ACFT conducting practice INSTR APCH may be instructed to go-around by TWR or delayed by APP to afford LCA RAN circuit/TRNG ACFT priority.
- d. Reciprocal IFR INSTR APCH training to duty circuit RWY not permitted.
- e. INSTR APCH training ACFT to RWY 21 and 26 may be instructed by TWR on first contact to reach 2,000FT AMSL by the upwind THR due circuit ACFT on crossing RWY. ACFT are to initiate the missed approach in advance to reach this requirement.
- f. Low overshoot or go-around subject to ATC approval when no conflicting circuit ACFT.
- g. IFR practice INSTR APCH BLW 3,000FT AMSL may not be AVBL to visiting ACFT.
- h. In VMC delays may be avoided or reduced by operating VFR
- i. Prior approval does not guarantee use of the aid.
- j. NAV and LDG LGT are to be on prior to intercepting final.

### 3. HOT LANE - MILITARY

Upon declaration of hot lane, airborne MIL ACFT are to initiate a go-around, maintain circuit ALT or proceed as directed by ATC. ACFT on the RWY are to immediately position:

- a. Left side of the RWY on 21/08;
- b. Right side of the RWY on 03/26, and
- c. ACFT beyond the 1,000FT DIST to run marker board are to expedite TAX.
4. No overflight of hot refuel facility (ADJ TWY B4) BLW 200FT AGL.
5. Emergency Services/MED ACFT to meet Ambulance for transfer are to use the APN in front of fire station located east of TWY E1.

## FLIGHT PROCEDURES

### 1. AIR TRAFFIC SERVICES

- 1.1. Class D ATS provided to AUTH MIL and CIV ACFT in accordance with AC SI OPS 03-16 within R421. Non AUTH ACFT receive Class C service with respect to all ACFT in R421. Class C VMC applies in all cases in R421. All VFR ACFT, EXC local MIL, REQ entry R421 must CTC ACD (128.35) for code and AWY CLR prior to entry.

### 2. FLIGHT PLANNING

- 2.1. All FLT planned to take place in R421 RQ submission of FLT details – excluding Circuit Area (CIRA) OPS and Mercy flights.
- 2.2. FLT notification acceptance by radio is subject to ATS workload. VFR OPS in R421 should PLN prior to DEP. Failure to do so may result in DLA.

### 3. CIRCUIT PROCEDURES

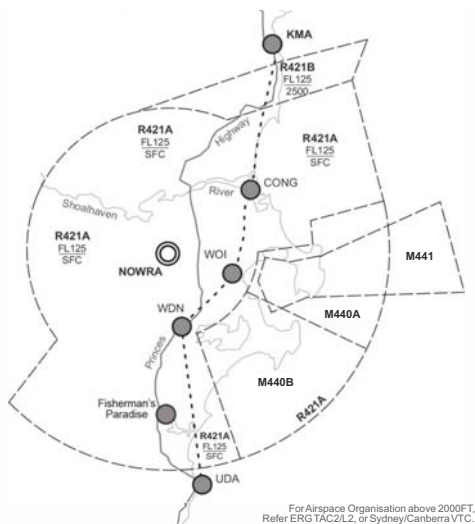
- 3.1. All ACFT TAX for OPS confined to the CIRA shall CTC Nowra SMC to pass FLT details and obtain AWY CLR. Circuit OPS at Nowra occur WI the CIRA, a 5NM radius of Nowra ARP, SFC to 2,000FT.
- 3.2. Unless ATC direct otherwise, CCTS will be conducted as follows:
- RWY 08 - Right;
  - RWY 21 - Right;
  - Fixed wing circuit ALT is 2,000FT AMSL;
  - Rotary wing circuit ALT is 1,200FT AMSL.
  - MIL HEL OPR CCTS to W Pad, S Pad and Flight Deck PROC Trainer not ABV 1,500FT AMSL.
- 3.3. Continuous IFR CCTS not permitted.
- 3.4. Mixed rotary wing and fixed wing CCTS subject to ATC approval and LCA MIL priority.

### 4. DEPARTURE PROCEDURES

Unless otherwise directed, DEP local ACFT transfer automatically FM TWR to APP WI 1NM of upwind THR EXC for local HEL with transfer WI 1NM of AD BDYR.

### 5. VFR ENTRY AND TRANSIT PROCEDURES

- 5.1. VFR ACFT REQ to enter or transit R421 are to contact ACD on 128.35MHz for an SSR code and CLR excluding ACFT PLN as mercy FLT. VFR ACFT should submit PLN to reduce DLA in processing. If CLR is not immediately AVBL remain in Class G airspace. A GA lane is established for VFR transit of R421A;
- 5.2. A GA lane is established for VFR transit of R421A;
- Transit Route: a TR joining KMA, CONG, WOI, WDN and UDA, not ABV 2,000FT AMSL; and
  - Transit R airspace at KMA southbound and prior to UDA northbound.
  - M440A/B ACT concurrently with R421 expect alternate route: TR joining KMA, CONG, WDN, Fisherman's Paradise, UDA, not ABV 2,000FT AMSL by day only.



- 5.3. SVFR permitted IAW the AIP for civil ACFT transiting R421 only. OPS such as SVY not permitted SVFR.

**6. INITIAL AND PITCH**

- a. IP is 5NM on final for the assigned RWY, ACFT are to establish at 2,000FT AMSL straight and level prior to IP. Once approved by ATC, ACFT may manoeuvre off TR to set up for initial.
- b. ATC may vertically restrict conflicting ACFT. ACFT will receive relevant traffic by the IP; ACFT are to pitch into the circuit from the dead side and may be subject to positive control and sequencing.
- c. Subject to ATC approval, low breaks may occur not below 900FT AMSL (APRX 500FT AGL).
- d. FLT CAT for ARR ACFT via initial and pitch is to be IAW Air Command SI (OPS).

**7. REMOTELY PILOTED AIRCRAFT SYSTEM (RPAS)**

- 7.1. The FLW permanent small RPAS (less than 25KG) areas exist:
  - a. Thurgate Oval, Bomaderry PSN 345124S 1503618E (BRG 016 MAG 6.5NM FM ARP) and Bomaderry Oval, Bomaderry PSN 345124S 1503624E (BRG 019 MAG 6.5NM FM ARP). OPR BTN 2130-1100 UTC (2030-1000 UTC HDS) DLY, WI 0.5NM up to 200FT AGL.
  - b. Model ACFT OPR SAT/SUN/PH HJ TWY A up to 400FT AGL (will land on receipt of CTAF broadcast),
  - c. Model ACFT OPR HJ WI 500M RAD OF PSN 345413.31S 1503521.69E (Archer Racecourse) BRG 030MAG 3.9NM FM ARP. OPR will MNT CTAF. SFC TO 400FT AGL when R421A/B ACT (up to 1,000FT with ATC approval). SFC to 1,000FT AGL when R421A/B deactivated.
  - d. Model ACFT OPR HJ WI 500M RAD of PSN 344955.80S 1503719.70E (Fletcher's Lane) (BRG 018MAG 8.1NM FM ARP). OPR will MNT CTAF, SFC to 400FT AGL when R421A/B ACT (Up to 1,000FT with ATC approval), SFC to 1,000FT AGL when R421A/B deactivated.
- 7.2. RPAS requests and enquires are to be sent to: nowra.rpas@defence.gov.au with at least 10 business days PN. RPAS approval is subject to all MIL OPS and status of active restricted/military operating areas may have additional restrictions imposed or be cancelled at short notice.
- 7.3. When activated by NOTAM requests for RPAS OPS WI M441 and M440A/B will not be available.

**8. OUTSIDE TWR HR**

- a. MIL HEL OPR CCTS to W Pad, S Pad and Flight Deck PROC Trainer not ABV 1,500FT AMSL. Other HEL CCTS 1,200FT AMSL.
- b. In the event of an EMERG, ACFT OPR at YSNW on an unattended airfield basis are to declare the EMERG on Melbourne Centre, FREQ 121.2. Additionally when WI 10NM of YSNW, MIL ACFT are to advise details to RFFS watch attendant CS "Base Fire" on FREQ 118.85.

**CTAF - AFRU 118.85**

Outside ATS HR.

**NOISE ABATEMENT PROCEDURES**

1. Fast jet/turboprop departures RWY 21:  
For noise abatement climb to 1,500FT on RWY HDG before commencing a turn onto track.
2. Noise sensitive area SFC-900FT AMSL S of AD WI RWY 08/26 circuit area:  
345744.82S 1503109.72E  
345821.60S 1503106.24E  
345813.56S 1503138.34E  
345751.18S 1503154.30E

## ADDITIONAL INFORMATION

1. SEV downdraft may be experienced WI 1NM on final RWY 26 during W wind ABV 7KT.
2. Rifle range 060/4.2NM ARP. ACT is indicated by R flags.
3. 23M pistol firing range 323/1.4NM ARP. ACT is indicated by R flags.
4. MIL ACFT may conduct OPS WI 50NM of YSNW using Light Enhancement devices and may not display external lighting. SFC-1,500FT AGL. Outside ATS HR ACFT will display external lighting on receipt of CTAF call FM other ACFT.
5. Bird hazard exists.
6. All ACFT OPR IN M440, M441 and M444 when ACT are not SUBJ to an ATS from Nowra ATC and OPR SUBJ to the COND imposed by Navy Fleet HQ Potts Point NSW.
7. PJE HX.
8. Non RDO equipped hang gliders OPR in VCY of Mount Cambewarra.
9. Model ACFT OPR WI VCY of AD, see *Flight Procedures*.
10. Caution: Outside TWR HR non RDO equipped AD support vehicles OPR on APN and TWY.

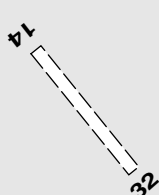
## CHARTS RELATED TO THE AERODROME

1. WAC 3456.
2. MIL Aerodrome Obstruction Chart Type A: Dec 2017.
3. Also refer to AIP Departure and Approach Procedures.

## NULLAGINE

ELEV 1251

FULL NOTAM SERVICE NOT AVBL



WA  
215446S 1201155E  
AD OPR Shire of East Pilbara, PMB 22, Newman, WA, 6753.  
ARO 08 9177 8964; 0409 483 651. Council PH 08 9177 8964.  
Fax 08 9177 8965.

UTC +8  
VAR 1 DEG E  
YNUL  
UNCR

## PASSENGER FACILITIES

AC/LG/WC.

## PHYSICAL CHARACTERISTICS

RWY 14/32 1,620M. Unsealed natural/sand. WID 30M.

## AERODROME AND APPROACH LIGHTING

1. Solar lighting HN. RWY 14/32 white on sides, green APCH, red at ends. IWI.
2. RWY 14/32 edge light spacing: 60M.

## OTHER LIGHTING

TWY LGT: Blue edge.

## ATS AND AERODROME COMMUNICATION FACILITIES

FIA MELBOURNE CENTRE 128.15 5500FT

CTAF 126.7

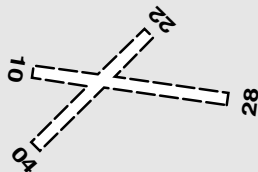
## ADDITIONAL INFORMATION

Wildlife hazard exists. Cattle, kangaroos, dingoes, birds and other feral animals.

## CHARTS RELATED TO THE AERODROME

WAC 3230.

**ELEV 220**



SA UTC +9:30 YNUB  
312628S 1305408E VAR 4 DEG E UNCR  
AD OPR Nullarbor Pty Ltd, P.M.B. 30, via Ceduna, SA, 5690.  
PH 08 8625 6271. Fax 08 8625 6261.

AD Charges: Nil for refuelling or accommodation.

Nullarbor Motel: HJ. Phone 08 8625 6271, fax 08 8625 6261. AVGAS, O125.

## AC/RE.

## TWR 359FT. 170DEG/278M THR RWY 04.

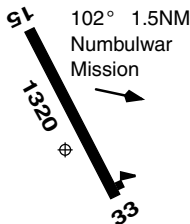
|     |                  |                    |
|-----|------------------|--------------------|
| FIA | MELBOURNE CENTRE | 132.7 Circuit Area |
|-----|------------------|--------------------|

CTAF 126.7

Sealed road between buildings not suitable for use as a takeoff and landing area.

WAC 3353.

## ELEV 31

**AVFAX CODE 8047**

|                                                                  |          |             |      |
|------------------------------------------------------------------|----------|-------------|------|
| NT                                                               |          | UTC +9:30   | YNUM |
| 141618S                                                          | 1354300E | VAR 4 DEG E | CERT |
| AD OPR Roper Gulf Regional Council, CMB 17, Numbulwar, NT, 0822. |          |             |      |
| PH 08 8972 2102. ARO 0497 742 946.                               |          |             |      |

1. AD Charges: All ACFT
2. This AD is a Security Controlled Airport.

Telephone facilities not AVBL. Shelter at AD with Mobile Phone coverage (Telstra 3G).

15/33 146 43c Unrated. Sealed

WID 18 RWS 90

## RWY 15/33 PTBL(1)

BY PRIOR ARRANGEMENT

(1) Solar.

1. EMERG only PAL Phone ARO for FREQ.
2. Apron lights turned on manually by ARO.

|     |                 |                    |
|-----|-----------------|--------------------|
| FIA | BRISBANE CENTRE | 122.2 Circuit Area |
|-----|-----------------|--------------------|

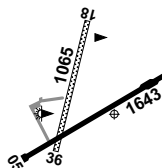
Restrict all turns to central 18M of RWY.

**CTAF 126.7**

## Animal Hazard Exists.

WAC 3110.



**NYNGAN****ELEV 569****AVFAX CODE 2222**

NSW

313304S

1471210E

UTC +10

VAR 10 DEG E

YNNY

CERT

AD OPR Bogan Shire Council, PO Box 221, Nyngan, NSW, 2825.

PH 02 6835 9000. ARO 0428 264 262.

**HANDLING SERVICES AND FACILITIES**

Fuel supplied by IOR Aviation Pty Ltd. JET A1 and AVGAS 100LL AVBL H24 self-serve bowser.

Payment method via IOR Aviation tag for account holders or via the Fuelcharge APP.

PH 1300 457 467.

**AERODROME OBSTACLES**

LIOL - 746FT AMSL, 1,000M SW of THR RWY 05.

**PHYSICAL CHARACTERISTICS**

05/23 049 54a PCN 12 /F /B /700 (102PSI) /T

18/36 183 35c Unrated. Grass

WID 30 RWS 150

WID 30 RWS 90

**AERODROME AND APPROACH LIGHTING**

RWY 05/23 LIRL PAL 122.3

SDBY PWR AVBL

RWY edge light spacing: 05/23: 90M.

**OTHER LIGHTING**

1. SDBY PWR manually activated.
2. TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE

123.9 5000FT

**CTAF** 126.7**ADDITIONAL INFORMATION**

Animal and bird hazard exists.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3356.
2. Also refer to AIP Departure and Approach Procedures.

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**OAKLEY****ELEV 1336****AVFAX CODE 4007**

QLD

UTC +10

YBOK

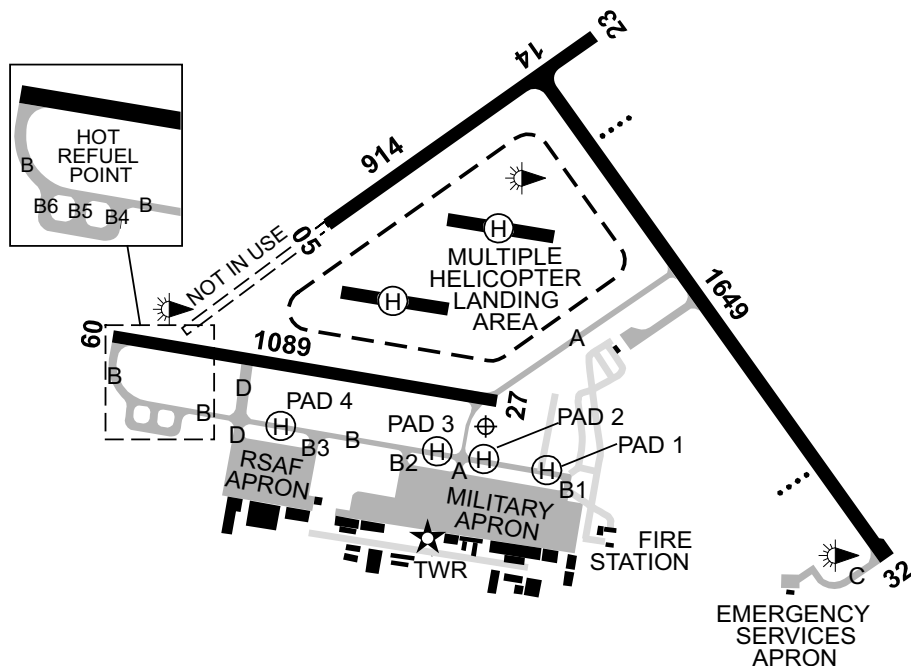
272441S

1514407E

VAR 11 DEG E

MIL

AD OPR Dept of Defence, Airfield Operations Centre, Army Aviation Training Centre (AAvnTC), Swartz Barracks, Oakey, QLD, 4401. Email: oak.airfieldops@defence.gov.au. PH 07 4577 7136. PH AH 0427 725 658.

**REMARKS**

- AD OPR HR are dependent on local MIL OPS and are notified by NOTAM.
- CIV ACFT must NOT use any surface of OAKEY Airfield without prior approval, excluding MEDEVAC and HOSP. Contact AD OPR.
- CIV ACFT (excluding EMERG ACFT) shall not plan to use Oakey as a WX Diversion.
- R654A and R654B OPS PPR. Requests for approval are to be directed to Airfield Operations Centre.

**HANDLING SERVICES AND FACILITIES**

All visiting CIV and MIL aircrew are to notify Airfield OPS with 24HR PN to coordinate ACFT PRKG, security, refuelling, accommodation and in-flight meal requirements.

Email oak.airfieldops@defence.gov.au or PH Airfield Operations 07 4577 7136.

**RESCUE AND FIREFIGHTING SERVICES**

CAT 4 ATS hours. Check OAKEY ATIS to confirm status.

APRONS AND TAXIWAYS

- 1. Undulations in MIL apron.
- 2. Access to MIL APN W of CL invert B2 is restricted to ARH Tiger helicopter movements only.
- 3. EMERG SERVICE APN. Jet OPS or turbo-prop OPS in excess of 7,000KG are prohibited at Oakey unless due to EMERG, or special Government arrangement.
- 4. Taxi line markings on the EMERG Services APN only ensures obstacle clearance for ACFT with a wing span of 10M or less.
- 5. TWY PCN significantly lower than airfield runways. A pavement concession is RQ for ACFT with an ACN greater than 5.

AERODROME OBSTACLES

- 1. Lit OBST 60FT AGL Turkey Hill, PSN 355 MAG 5NM Oakey.
- 2. Lit OBST 75FT AGL, Oakey Hill, 191/2.5NM (4,600M) FM Oakey ARP.
- 3. Lit OBST 1,831FT AMSL, TEL TWR, PSN 272759.25S 1514907.96E, BRG 116DEG MAG 5.54NM FM Oakey ARP.
- 4. TEMPO radar located at PSN 272412S 1514430E BRG 025 MAG 0.59NM FM ARP.  
Exclusion zone 500FT laterally and 500FT AGL vertically.

METEOROLOGICAL INFORMATION PROVIDED

- 1. TAF CAT B, METAR/SPECI, TAF3 issued hourly AVBL during MO HRS, AD WRNG, WS WRNG.
- 2. AWIS PH 07 3564 3731 - Report faults to AD OPR.
- 3. MET INFO AVBL FM Airservices Pilot Briefing. Elaborative briefing FM Defence MO 07 3239 8745 when staffed. AH AVBL FM MWO 07 3239 8737.

PHYSICAL CHARACTERISTICS

|       |     |     |                                |        |        |
|-------|-----|-----|--------------------------------|--------|--------|
| 05/23 | 044 | 30a | PCN 8 /F /C /1100 (160PSI) /T  | WID 23 | RWS 90 |
| 09/27 | 089 | 36a | PCN 10 /F /D /1750 (254PSI) /T | WID 23 | RWS 90 |
| 14/32 | 134 | 56a | PCN 9 /F /C /1100 (160PSI) /T  | WID 30 | RWS 90 |

RWY 09/27 and RWY 14/32 have friction LVL measured BLW 'MNM friction LVL'.

AERODROME AND APPROACH LIGHTING

|           |         |           |                           |
|-----------|---------|-----------|---------------------------|
| RWY 09/27 | MIRL    | PAL 121.3 | SDBY PWR AVBL             |
| RWY 14/32 | MIRL    | PAL 121.3 | SDBY PWR AVBL             |
| RWY 14/32 | PAPI(1) | PAL 121.3 | 3.0 DEG48FT SDBY PWR AVBL |

(1) Left side.

OTHER LIGHTING

ABN                    ALTN 8 WG                    On TWR  
LGT signal ALDIS LGT FM old control TWR visibility restricted from WNW (BTN 260 to 305 DEG MAG) due to new taller TWR construction.

ATS AND AERODROME COMMUNICATION FACILITIES

|      |                 |                                      |
|------|-----------------|--------------------------------------|
| FIA  | BRISBANE CENTRE | 121.2 On ground (Outside APP/TWR HR) |
| ACD  | OAKEY DELIVERY  | 133.35                               |
| APP  | OAKEY APPROACH  | 43.55 123.7 125.4 285.4              |
| ATIS | OAKEY ATIS      | 124.3 254                            |
| SMC  | OAKEY GROUND    | 121.9 243.0 (1)                      |
| TWR  | OAKEY TOWER     | 43.55 120.1 279.5                    |

- (1) Emergency Frequency, guarded DUR ATS HR.
- 1. Automatic retransmit FAC exists BTN FLW FREQ DRG ATS HR only: 120.1/279.5; 125.4/285.4.
- 2. Oakey airspace activation must be confirmed by monitoring Oakey ATIS on 124.3 or 254 or 07 4577 7235 or with Brisbane Centre on 121.2.

**RADIO NAVIGATION AND LANDING AIDS**

|     |                                                                      |                    |           |            |     |
|-----|----------------------------------------------------------------------|--------------------|-----------|------------|-----|
| DME | IOK                                                                  | 110.5/ 42X (RWY14) | 272414.5S | 1514424.5E | (5) |
| GP  | IOK                                                                  | 329.6 (RWY14)      | 272414.5S | 1514424.5E |     |
| ILS | IOK                                                                  | 110.5 (RWY14)      | 272459.3S | 1514452.5E |     |
| LOC | IOK                                                                  | 110.5 (RWY14)      | 272459.3S | 1514452.5E | (4) |
| DME | OK                                                                   | 112.9/ 76X         | 272358.5S | 1514416.8E | (2) |
| NDB | OK                                                                   | 254                | 272516.9S | 1514413.8E | (3) |
| VOR | OK                                                                   | 112.9              | 272358.8S | 1514416.3E | (1) |
| (1) | 169/0.7 to ARP.                                                      |                    |           |            |     |
| (2) | Antenna ELEV 1,358FT.                                                |                    |           |            |     |
| (3) | 351/0.6 to ARP. Range 50NM in minor arc 330DEG MAG to 100DEG MAG.    |                    |           |            |     |
| (4) | LOC guidance not to be used outside 20DEG either side of centreline. |                    |           |            |     |
| (5) | Antenna ELEV 1,357FT.                                                |                    |           |            |     |

**LOCAL TRAFFIC REGULATIONS**

RWY 09/27 not AVBL to ACFT ABV 22,700KG.

**FLIGHT PROCEDURES**

1. During hours of de-activation of the CTR, all OPS are to be away FM the built-up area where possible.
2. All VFR ACFT RQ CLR into Oakey RSTD airspace from class G and E airspace. CTC Oakey ACD on 133.35 to pass details and obtain SSR code and AWY CLR.
3. Circling area may be overflowed by ACFT conducting APCH to Brisbane West Wellcamp (YBWW) RWY 12 outside ATC HR.
4. Clearance through R654A may not be available on the YTWB/BIVAT-MESSED-Q484 or Q303 routes. VFR clearances AVBL via the Warrego VFR route.
5. **RPAS/UAS**
  - a. All operators must hold the appropriate certifications endorsed by CASA.
  - b. ATC approval is required to operate RPAS WI 5NM of Oakey and WI Restricted Areas R654ABCD. An application form can be obtained by emailing 452sqnoakflt.spvr@defence.gov.au. Completed applications must be submitted at least two business days prior to the planned RPAS activity.
6. **AGRICULTURAL OPERATIONS**
  - a. Requests must be sent to YBOK ATS via email: 452sqnoakflt.spvr@defence.gov.au with all essential information at least one business day prior to the commencement time.
  - b. All ACFT are to maintain two way communication with ATS when airspace is active, transponder equipped ACFT preferred.
7. **ATC SERVICES**
  - a. ATC will provide Class D service to state ACFT and nominated civil ACFT WI R654ABCD and the Oakey CTR.
  - b. All other ACFT will receive Class C service.

**CTAF - AFRU 127.65**

Oakey, Toowoomba and Brisbane West Wellcamp excluding Oakey when airspace is active.

ADDITIONAL INFORMATION

1.

Bird hazard exists. Increased activity will be advised by NOTAM.
2.

Blasting Acland Mine, in VCY of PSN 271749S 1514301E (338/6.6NM FM OK VOR).  
Check NOTAM for activity.
3.

Civil ACFT not intending to arrive at Oakey are strongly advised to avoid Oakey circuit area by 5NM, overfly above 3,500FT AMSL and avoid instrument approach final paths.
4.

CAUTION:

a.

Military helicopters and fixed wing ACFT OPR outside hours of ATS. OPS include parallel OPR to all RWY, counter rotating circuit patterns, medium wake turbulence category helicopter ARR DEP and circuit to sealed runways and other non-standard CTAF OPR

b.

ACFT to be aware of the proximity to Brisbane West Wellcamp (YBWW) 150/9.3NM and Toowoomba (YTWB) 119/12.2NM FM Oakey ARP.

c.

Airfield sweeper OPR. 1400-2100 MON-FRI.

d.

Remain clear of power station to the SW of AD.

e.

Flight Training OPS out of Brisbane West Wellcamp (YBWW) and within D635AB FM 1900-1400 UTC (0500-2400 Local) DLY. YBWW BRG 143 MAG 9.5NM FM ARP.
5.

MIL ACFT using light enhancement devices may not display external LGT outside ATS/AD OPR HR. Check NOTAM for operations in R654 during periods of airspace deactivation.
6.

Military radar is in operation at PSN 271942S 1514417E.

a.

Possible avionics interruptions/errors WI 125M BLW 2,000FT AMSL

b.

Aircraft transporting MIL ordnance are to observe the FLW separation FM the radar site unless ordnance manufacturers specify shorter distance.

(i)

Hazards of Electromagnetic Radiation to Ordnance (HERO) susceptible  
WI 250M/BLW 850FT AMSL

(ii)

HERO unsafe WI 900M/BLW 850FT AMSL
- CHARTS RELATED TO THE AERODROME
1.

WAC 3340.

2.

MIL Aerodrome Obstruction Chart Type A (RWY 05/23): NOV 2017.

3.

MIL Aerodrome Obstruction Chart Type A (RWY 09/27): NOV 2017.

4.

MIL Aerodrome Obstruction Chart Type A (RWY14/32): NOV 2017.

5.

Refer to AIP Departure and Approach Procedures.
- OAKY CREEK
- QLD

230335S

1482941E

UTC +10

VAR 9 DEG E

AD OPR General Manager, Oaky Creek Coal, PO Box 1, Tieri, QLD, 4709. PH 07 4984 7208.  
Fax 4984 7305.

ELEV 581

FULL NOTAM SERVICE NOT AVBL

YOAY

UNCR
- REMARKS
- PPR - 48HR PN to Mine Manager
- PHYSICAL CHARACTERISTICS
- RWY 15/33 sealed bitumen. Length 1,499M, WID 12M.
- ATS AND AERODROME COMMUNICATION FACILITIES
- FIA                      BRISBANE CENTRE                      122.3 Circuit Area
- CTAF 126.7
- ADDITIONAL INFORMATION
1.

Possibility of wallabies at dawn and dusk.

2.

Blasting OPS are often in progress. Pilots are to call AD OPR prior to TKOF and LDG to check blasting times and schedules.
- CHARTS RELATED TO THE AERODROME
- WAC 3234, 3235.

OCHRE ARCH

NSW

334521S

1480046E

UTC +10

VAR 11 DEG E

YOCA

UNCR

AD OPR Ochre Arch Farm Tours, 'Ochre Arch', 761 Goodes Lane, Pinnacle (near Grenfell) NSW, 2810. Email: info@ochresearch.com.au. PH 02 6343 5105. ARO 0425 760 596. Website: www.ochresearch.com.au.

ELEV 1059

FULL NOTAM SERVICE NOT AVBL

REMARKS

1. PPR from AD OPR.

2. AD charge: in farm tour fee. Otherwise donation appreciated.

3. Landing area and tour details on website.

HANDLING SERVICES AND FACILITIES

Nil fuel on site. Nearest fuel at YCWR Cowra 32NM 24HR and YYNG Young 32NM.

PASSENGER FACILITIES

RF/WC/AC: Limited short term homestay. Mobile signal: Telstra, Optus and Vodafone.

AERODROME OBSTACLES

Beware fence at each end. There are trees, a tank and a windsock near the runway, however extended centre line is clear.

PHYSICAL CHARACTERISTICS

08/26

25c

Unrated. Grass. RWY LEN 770M. Slope W

WID 15

end 2.5% down to W. E end 1% down to E.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

MELBOURNE CENTRE

135.25

CTAF 126.7

ADDITIONAL INFORMATION

Stock graze occasionally in the airstrip paddock when not in use.

CHARTS RELATED TO THE AERODROME

WAC 3456, 3457.

OENPELLI

AVFAX CODE 8048

087° 4NM

Oenpelli

1320

NT

121931S

1330020E

UTC +9:30

VAR 3 DEG E

YOEN

CERT

AD OPR West Arnhem Regional Council, CMB 6, Gunbalanya, NT, 0822. Email: contracts@westarnhem.nt.gov.au. PH 0419 302 164. ARO EMERG SAT 0147 185 915 (H24).

PASSENGER FACILITIES

Telephone facilities not AVBL.

AERODROME OBSTACLES

Terrain:

a. 462FT AMSL BRG 098 DEG MAG 2.4NM FM ARP. Infringes conical SFC by 79FT.

b. 352FT AMSL BRG 143 DEG MAG 1.3NM FM ARP. Infringes inner HZS by 142FT.

c. 499FT AMSL BRG 160 DEG MAG 1.5NM FM ARP. Infringes inner HZS by 289FT.

PHYSICAL CHARACTERISTICS

12/30

116 43a

Unrated. Sealed

WID 18

RWS 90

RWY not AVBL to ACFT ABV 5,700KG MTOW. Flights with MEDEVAC and HOSP status exempt.

AERODROME AND APPROACH LIGHTING

RWY 12/30

PTBL(1)

BY PRIOR ARRANGEMENT

(1)

Emergency and PVT OPS only. PVT OPS only with permission of the ARO.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

BRISBANE CENTRE

124.1 Circuit Area

Information may be continued on the next page: PTO

FLIGHT PROCEDURES

Right hand circuits RQ when OPR on RWY 30.

CTAF 126.7

ADDITIONAL INFORMATION

Bird hazard exists.

CHARTS RELATED TO THE AERODROME

WAC 3109.

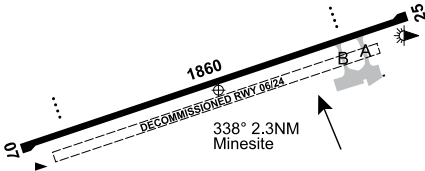
OLYMPIC DAM

ELEV 344

AVFAX CODE 5106

SA  
302906S  
AD OPR BHP Olympic Dam Corporation Pty Ltd, PO Box 150, Roxby Downs, SA, 5725.  
Email: olympicdamairport@bhp.com. ARO 0477 307 824.

1365236E  
UTC +9:30  
VAR 7 DEG E  
YOLD  
CERT



REMARKS

- 1. Prior permission required, MNM 3 days notice - contact AD OPR.
- 2. This AD is a Security Controlled Airport.
- 3. AD not AVBL to non-radio equipped or non-mode C transponder equipped ACFT.

HANDLING SERVICES AND FACILITIES

AIR BP: Phone 0407 856 097. JET A1 self-service or overwing only. Carnet Card.

PASSENGER FACILITIES

PT/TX/HC/WC.

AERODROME OBSTACLES

- 1. Smelter stacks (x2) 543FT AMSL BRG 339 DEG MAG, 4,200M FM ARP.  
Both infringe COS. Unlit.
- 2. Smelter stack 634FT AMSL BRG 335 DEG MAG, 4,500M FM ARP.  
Infringes the COS. Lit.
- 3. High voltage PWR line 504FT AMSL with 6 lit masts, 3,500M SW of ARP.  
Infringes inner HZS.
- 4. Crane 650FT AMSL, BTN BRG 328 and 355 DEG MAG BTN 2.2 and 2.5NM FM ARP.  
Infringes COS.

METEOROLOGICAL INFORMATION PROVIDED

- 1. TAF CAT C, METAR/SPECI.
- 2. AWIS Phone 08 8150 3811 - Report faults to BoM.
- 3. AWIS FREQ 128.05 (requires one-second pulse to activate) - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

07/25      064   61a   PCN 47 /F /C /1500 (218PSI) /T Grooved.      WID 30      RWS 150

AERODROME AND APPROACH LIGHTING

|           |         |           |             |               |
|-----------|---------|-----------|-------------|---------------|
| RWY 07/25 | LIRL    | PAL 119.6 |             | SDBY PWR AVBL |
| RWY 07    | PAPI(1) | PAL 119.6 | 3.0 DEG49FT | SDBY PWR AVBL |
| RWY 25    | PAPI(2) | PAL 119.6 | 3.0 DEG49FT | SDBY PWR AVBL |

- (1) Left side only.
- (2) Right side only.
- 1. HJ selection of PAL will only activate PAPI. RWY lights will OPR when poor light levels exist.
- 2. RWY edge light spacing: 60M.



**OTHER LIGHTING**

1. Secondary PWR switchover time: 15 SEC.
2. TWY light: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 122.0 Circuit Area

**LOCAL TRAFFIC REGULATIONS**

1. All ACFT are to make a taxi broadcast on Melbourne Centre 122.00 and CTAF126.6.
2. TWY B for ACFT 21,000KG and BLW.

**FLIGHT PROCEDURES**

1. Right hand CCTS required when operating on RWY 07.
2. ACFT are to avoid overflying the mine and plant areas N of AD due to obstacles and blasting.

**CTAF - AFRU** 126.6

**ADDITIONAL INFORMATION**

1. Caution: Frequent movements of high capacity RPT ACFT and charter ACFT occur at AD.
2. Caution: Potential for air traffic congestion and conflict exists.
3. Landing permission may include a slot time to avoid peak movement periods.
4. Bird hazard exists.

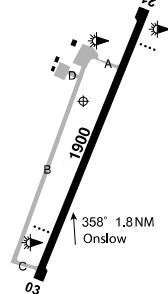
**CHARTS RELATED TO THE AERODROME**

1. WAC 3354.
2. Also refer to AIP Departure and Approach Procedures.

**ONSLOW****ELEV 23****AVFAX CODE 6807**

WA 214006S 1150647E UTC +8  
 AD OPR Shire of Ashburton, PO Box 20, Onslow, WA, 6710.  
 Email: onslow.airport@ashburton.wa.gov.au. PH 08 9153 2000.  
 ARO AH 0487 654 272.

YOLW  
 CERT

**REMARKS**

1. AD Charges apply.
2. This AD is a security controlled aerodrome. ASICs to be worn and clearly displayed when airside.
3. Any OPR wishing to store private fuel at AD is to CTC the AD OPR.

**HANDLING SERVICES AND FACILITIES**

Skyfuel: JET A1 tanker service AVBL by arrangement. 2HR PN. Card activated self serve. H24 JET A1 pump also AVBL, MC, V and Skyfuel card.  
 Phone: 0448 562 151, Email: skyfuelonslow@gmail.com,  
 Website: www.skyfuel.com.au for site details.  
 World Fuel Services H24 AVGAS bowser, WFS carnet card, V and MC via Compac Pay smartphone APP. Phone 0459 604 281.  
 Ground handling services by arrangement - Northwest Aviation Services.  
 Phone: 0448 147 020.

**PASSENGER FACILITIES**

WC/TX/HC/RF/LG

**APRONS AND TAXIWAYS**

1. TWY A (495M S of RWY 21 THR right hand side) and northern APN CMSD.
2. TWY A, B and C AVBL to Code C ACFT and BLW.
3. All ACFT under 5,700KG to use east side of southern APN.

**AERODROME OBSTACLES**

Illuminated WDI. PSN BRG 205 MAG 0.6NM FM ARP. Infringes TNS by 2FT.

METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT D, METAR/SPECI.
2. AWIS PH 08 6216 2630 - Report faults to BoM.

PHYSICAL CHARACTERISTICS

03/2102962aPCN 26 /F /B /1103 (160PSI) /T Grooved

WID 30RWS 150

AERODROME AND APPROACH LIGHTING

RWY 03/21LIRL(1)AFRU+PAL 126.6

RWY 03/21PAPI(1)AFRU+PAL 126.63.0 DEG49FT SDBY PWR AVBL

RWY 03/21PTBL(2)BY PRIOR ARRANGEMENT

(1) 30MIN cycle.

(2) EMERG only. 60MIN PN.

OTHER LIGHTING

1. Secondary PWR switchover time: 35 SEC.
2. TWY LGT: Blue edge on TWY A, D and B north of TWY D.
3. TWY B and C no lighting AVBL. Day OPS only.

ATS AND AERODROME COMMUNICATION FACILITIES

FIAMELBOURNE CENTRE

122.4 5,000 FT

LOCAL TRAFFIC REGULATIONS

1. All ACFT over 5,700KG to make turns at RWY ends only. MAX RAD at MNM speed.
2. PRKG for all ACFT over 5,700KG by prior arrangement with AD OPR.
3. Bay 3 on northern APN not accessible from TWY B.

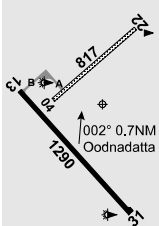
CTAF - AFRU 126.6

CHARTS RELATED TO THE AERODROME

1. WAC 3229.
2. Also refer to AIP Departure & Approach procedures.

OODNADATTA

AVFAX CODE 5202



SA

273336S1352642E

AD OPR Outback Communities Authority, PO Box 3326, Port Augusta, SA, 5700.

PH 08 8648 5970: 0427 687 772: 0439 136 271. Fax 08 8648 5971.

REMARKS

AD Charges apply.

HANDLING SERVICES AND FACILITIES

Oodnadatta Roadhouse PH 08 8670 7822, Fax 08 8670 7831,  
email: pinkroadhouse@bigpond.com. AVGAS (drums).

ELEV 386

FULL NOTAM SERVICE NOT AVBL

UTC +9:30

VAR 6 DEG E

YOOD

UNCR

METEOROLOGICAL INFORMATION PROVIDED

1. METAR/SPECI.
2. AWIS PH 08 8150 3812 - Report faults to BoM.

PHYSICAL CHARACTERISTICS

04/2204327cUnrated. Gravel.

13/3113342c5700/650 (94PSI) Unrated. Central 18M

Sealed.

WID 18RWS 60

WID 23RWS 90

AERODROME AND APPROACH LIGHTING

RWY 13/31 Solar H24. EMERG only.

ATS AND AERODROME COMMUNICATION FACILITIES

FIAMELBOURNE CENTRE

120.7 On Ground

CTAF 126.7

CHARTS RELATED TO THE AERODROME

WAC 3343.



ATS AND AERODROME COMMUNICATION FACILITIES

FIA

MELBOURNE CENTRE

135.25 On Ground

LOCAL TRAFFIC REGULATIONS

1. All ACFT to execute MAX RAD turns on RWY 11/29, TWY and APN.
2. Use of RPT Bays 1 to 7 is restricted to RPT ACFT and Air Ambulance (excluding HEL). Other ACFT as approved by AD OPR with 24HR PN. PH 0417 698 326.
3. TWY C and D not AVBL to ACFT ABV 4,000KG MTOW.
4. GA ACFT engine run-up not permitted on RPT apron.

CTAF - AFRU 119.0

ADDITIONAL INFORMATION

1. Increased hazards of birds (ducks, magpies, galahs and ibis) and animals (kangaroos, wallabies and foxes) exists.
2. Random blasting HJ, at quarry BRG 085DEG MAG, 3.2NM FM ARP, 500M RAD, 0-500FT AGL.
3. Intensive gliding operations conducted by Bathurst Soaring Club at Pipers Field located 20NM East Orange Airport - daylight HR on weekends, PH and some weekdays. Gliders monitor 122.7 within 3NM Pipers Field and 127.35 (Bathurst CTAF) when east of Pipers Field.
4. Gliders cross-country gliding operations often transit airspace in the vicinity of Orange Airport up to and above 10,000FT. Gliders monitor 119.0 (Orange CTAF) west of Pipers Field in the vicinity of Orange airport.
5. Gliders outside of the vicinity of Orange Airport monitor 122.7.

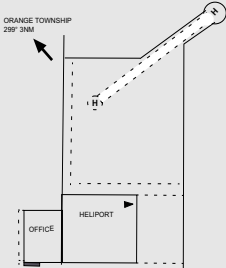
CHARTS RELATED TO THE AERODROME

1. WAC 3456, 3457.
2. Also refer to AIP Departure and Approach Procedures.

ORANGE EAST HELIPORT

ELEV 2828

FULL NOTAM SERVICE NOT AVBL



NSW

331902S

1490853E

AD OPR Helicruz, 4968 Mitchell Hwy, Orange, NSW, 2800.

PH 0403 066 444, 02 6363 5650.

REMARKS

1. Prior approval required phone AD OPR.

2. Landing charges apply.

UTC +10

VAR 12 DEG E

YOEH

UNCR

HANDLING SERVICES AND FACILITIES

Helicruz - AVGAS, JET A1. V, MC, AMEX. Prior notification required for fuel.

PASSENGER FACILITIES

PT, WC, TX, LG.

AERODROME AND APPROACH LIGHTING

1. PAL+AA 120.45.
2. IWI north-west corner of hangar when PAL is activated.
3. Helipad lighting.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

MELBOURNE CENTRE

135.25 On Ground

LOCAL TRAFFIC REGULATIONS

Must adhere to Helicruz FAC page.

**CTAF - AFRU 119.0****CHARTS RELATED TO THE AERODROME**

WAC 3456 and 3457.

**ORBOST****ELEV 94****AVFAX CODE 3053**

VIC

UTC +10

YORB

374725S

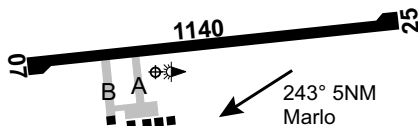
1483635E

VAR 13 DEG E

CERT

AD OPR East Gippsland Shire Council, PO Box 1618, Bairnsdale, VIC, 3875. ARO 0438 497 697:

Back-up 0447 132 980.

Website: [www.eastgippsland.vic.gov.au/building-and-development/aerodromes](http://www.eastgippsland.vic.gov.au/building-and-development/aerodromes).**REMARKS**

1. H24 CCTV monitoring APN, RWY and terminal building.
2. Australian Border Force security monitored AD.
3. Pin coded gate from APN to terminal, CTC ARO for code.

**PASSENGER FACILITIES**

RF/WC/LG (H24 CCTV in terminal building)/TX/HC not readily AVBL, CTC 03 5154 2000.

**PHYSICAL CHARACTERISTICS**

07/25 070 37a PCN 5 /F /B /450 (65PSI) /T

WID 18 RWS 90

**AERODROME AND APPROACH LIGHTING**

RWY 07/25 LIRL PAL+AA 121.3

SDBY PWR AVBL

RWY 07/25 edge light spacing: 60M.

**OTHER LIGHTING**

1. Secondary PWR switchover time: 5 SEC.
2. TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE

124.0 Circuit Area

**LOCAL TRAFFIC REGULATIONS**

1. CTC ARO for all overnight and HEL PRKG instructions.
2. ACFT OPR ABV published weights and physical characteristics. CTC ARO for pavement concession form.
3. RWS not AVBL for TKOF and landing.

**CTAF 126.7****ADDITIONAL INFORMATION**

1. AD inspection RQ with 2HR PN, CTC ARO.
2. Increased activity in HEL OPS during summer season for fire EMERG.
3. Ultralight ACFT OPS at AD.
4. AD fully wildlife proof and security fenced.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3470.
2. Also refer to AIP Departure and Approach Procedures.

ORROROO

SA

324730S

1384000E

AD OPR District Council of Orroroo/Carrieton, PO Box 3, Orroroo, SA, 5431.  
Email: council@orroroo.sa.gov.au. PH 08 8658 1260; EMERG 0409 793 884. Fax 08 8658 1434.

ELEV 1354

FULL NOTAM SERVICE NOT AVBL

UTC +9:30

VAR 8 DEG E

YORR

UNCR

REMARKS

1. PPR.

2. AD Charges: NIL.

AERODROME AND APPROACH LIGHTING

PAL FREQ 120.35.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

MELBOURNE CENTRE

123.9 4500FT

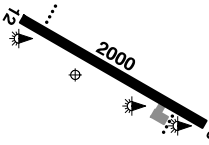
CTAF 126.7

CHARTS RELATED TO THE AERODROME

WAC 3458, 3459.

OSBORNE MINE

AVFAX CODE 4320



QLD

220454S

1403324E

UTC +10

VAR 6 DEG E

YOSB

CERT

AD OPR Chinova Resources (Osborne) Pty Ltd, PO Box 5170, Townsville, QLD, 4810. PH AD Manager 07 4748 0337 or Relief AD Manager 07 4748 0307. Fax 07 4762 5018.

REMARKS

Restricted OPS. PPR for all OPS.

HANDLING SERVICES AND FACILITIES

JET A1 by prior arrangement with AD Manager.

AERODROME OBSTACLES

HIOL and MIOL - PWR lines on SE APCH.

PHYSICAL CHARACTERISTICS

12/30

126 66a

PCN 7 / F / B / 1050 (152PSI) / T

WID 23

RWS 90

AERODROME AND APPROACH LIGHTING

RWY 12/30

LIRL

AFRU+PAL 126.7

SDBY PWR AVBL

RWY 12/30

PAPI(2)

AFRU+PAL 126.7

3.0 DEG45FT

SDBY PWR AVBL

RWY 12/30

PTBL(1)

BY PRIOR ARRANGEMENT

(1) EMERG only. 90MIN PN. CTC AD Manager.

(2) Left side.

RWY 12/30 edge light spacing: 90M.

OTHER LIGHTING

1. TWY LGT: Blue edge.

2. ABN not AVBL.

3. Secondary PWR switchover time: 30 SEC.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

BRISBANE CENTRE

123.95

UNICOM

OSBORNE MINE UNICOM

126.7P (1) 128.8S

(1) All pilots are required to BCST their intentions inbound.

FLIGHT PROCEDURES

All pilots with prior permission are requested to refrain from overflying mine site.

**CTAF - AFRU 126.7**

**ADDITIONAL INFORMATION**

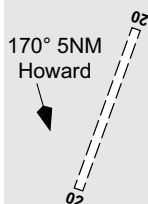
CAUTION: RPA operations conducted WI 3NM RAD of AD FM ARP up to 400FT AGL.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3233.
  2. Also refer to AIP Departure and Approach Procedures.
-

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**PACIFIC HAVEN****ELEV 30****FULL NOTAM SERVICE NOT AVBL**

QLD 251412S 1523236E UTC +10 YPAC  
 AD OPR Pacific Haven Airport Pty Ltd, PO Box 41, Howard, QLD, 4659. UNCR  
 Email: pacificaipark@outlook.com. PH 07 4129 0601. Mobile 0408 458 760.

**REMARKS**

1. Restricted OPS PPR.
2. Fees apply.

**AERODROME OBSTACLES**

Unlit TWR (NBN) within the circuit for downwind RWY 20. 150FT AGL BRG 137DEG MAG/1.1NM FM THR RWY 20. PSN 251508.77S 1523318.24E.

**PHYSICAL CHARACTERISTICS**

RWY 02/20 - Unrated. Sealed. RWY Length 1,000M.

**AERODROME AND APPROACH LIGHTING**

PAL on REQ 123.6. EMERG only.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 124.1

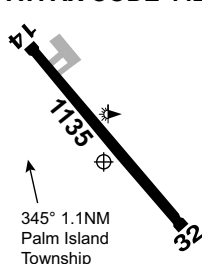
CTAF 126.7

**ADDITIONAL INFORMATION**

1. Animal (kangaroos) and bird hazards on APCH RWY 20 and 02.
2. ACFT not permitted on grass areas due to soft surface.

**CHARTS RELATED TO THE AERODROME**

WAC 3340.

**PALM ISLAND****ELEV 30****AVFAX CODE 4421**

QLD 184519S 1463453E UTC +10 YPAM  
 AD OPR Palm Island Aboriginal Shire Council, Main Street, Palm Island, CERT  
 QLD, 4810. PH 07 4770 1177. ARO on duty 0458 789 464 (H24).

**REMARKS**

1. AD Charges: All ACFT.
2. Alcohol is restricted on Palm Island. Heavy penalties apply. Special provisions apply for alcohol being transported on consignment, and restrictions may vary from time to time. Further information on alcohol restrictions is available by calling 13 QGOV (13 74 68) or by going to: <https://www.datsip.qld.gov.au/programs/alcohol-limits/index.page>

**AERODROME OBSTACLES**

1. IWI 60FT AMSL BRG 349 DEG MAG 141M FM ARP. Infringes TNS by 16FT.
2. Fences:
  - a. 42FT AMSL BRG 324 DEG MAG 385M FM ARP. Infringes TNS by 11FT.
  - b. 41FT AMSL BRG 326 DEG MAG 308M FM ARP. Infringes TNS by 6FT.
  - c. 27FT AMSL BRG 140 DEG MAG 545M FM ARP. Infringes TNS by 1FT.
3. Trees:
  - a. 83FT AMSL BRG 125 DEG MAG 445M FM ARP. Infringes TNS by 24FT.
  - b. 88FT AMSL BRG 014 DEG MAG 97M FM ARP. Infringes TNS by 36FT.
  - c. 60FT AMSL BRG 140 DEG MAG 545M FM ARP. Infringes TNS by 32FT.
  - d. 57FT AMSL BRG 143 DEG MAG 294M FM ARP. Infringes TNS by 24FT.
  - e. 64FT AMSL BRG 160 DEG MAG 103M FM ARP. Infringes TNS by 28FT.
  - f. 61FT AMSL BRG 308 DEG MAG 291M FM ARP. Infringes TNS by 24FT.
  - g. 55FT AMSL BRG 312 DEG MAG 368M FM ARP. Infringes TNS by 17FT.



**REMARKS**

1. PPR FM AD OPR for all ACFT ABV 5,700KG EXC EMERG ACFT.
2. AD Charges: All ACFT.
3. This AD is a Security Controlled Airport. Security requirements:
  - a. ASIC to be worn and clearly displayed when airside.
  - b. For enquiries regarding security screening requirements - CTC AD Manager by phone or fax.

**HANDLING SERVICES AND FACILITIES**

Viva Energy Aviation: Aviation Components 2230-1030 UTC DLY. AH 45MIN PN (call-out fee applies). PH 0417 640 012, JET A1. Fuel2Sky Carnet Cards or credit cards (V and MC).  
Northwest Aviation Services - Ground Handling Services PH 0419 121 905.

**PASSENGER FACILITIES**

LG/WC/HC/RF and Telstra 4G reception.

**APRONS AND TAXIWAYS**

TWY A - Code C, bitumen seal. 15M WID.

**AERODROME OBSTACLES**

1. Fences:
  - a. 1,415FT AMSL 2,346M FM SOT RWY 06.
  - b. Perimeter fence unmarked and unlit, both sides of entire length of RWY, 154M FM RWY 06/24 CL. Infringes TNS by up to 0.5M.
2. Masts:
  - a. Lit BRG 230DEG MAG 5.7NM FM ARP 2,320FT AMSL.
  - b. Unlit BRG 230DEG MAG 5.8NM FM ARP 2,300FT AMSL.
  - c. Unlit BRG 231DEG MAG 5.9NM FM ARP 2,177FT AMSL.
  - d. Unlit BRG 232DEG MAG 5.9NM FM ARP 2,146FT AMSL.
  - e. Radio mast unmarked and unlit 1,460FT AMSL BRG 099DEG MAG 0.31NM FM ARP. Infringes TNS by 25FT.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT B, METAR/SPECI.
2. AWIS Phone 08 6216 2631 - Report faults to BoM.
3. AWIS 135.6 - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

06/24      064    70a    PCN 34 /F /B /1100 (160PSI) /T Grooved      WID 45    RWS 280

**AERODROME AND APPROACH LIGHTING**

|           |         |                |             |                      |
|-----------|---------|----------------|-------------|----------------------|
| RWY 06/24 | LIRL    | AFRU+PAL 126.8 |             | SDBY PWR AVBL        |
| RWY 06/24 | PAPI(1) | AFRU+PAL 126.8 | 3.0 DEG50FT | SDBY PWR AVBL        |
| RWY 06/24 | PTBL(2) |                |             | BY PRIOR ARRANGEMENT |

- (1) Left side only.
- (2) AVBL 120MIN PN.
1. PAL range restricted in some sectors at LSALT.
2. RWY edge light spacing: 60M.

**OTHER LIGHTING**

1. SDBY PWR takes 10 SEC to activate.
2. TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA      MELBOURNE CENTRE      125.7 On Ground

**RADIO NAVIGATION AND LANDING AIDS**

|     |     |            |           |            |                  |     |
|-----|-----|------------|-----------|------------|------------------|-----|
| DME | PBO | 116.9/116X | 231021.7S | 1174412.7E |                  | (1) |
| NDB | PBO | 278        | 231043.6S | 1174433.1E | Range 80 (HN 70) | (2) |
| VOR | PBO | 116.9      | 231021.4S | 1174413.3E |                  |     |

- (1) Antenna ELEV 1384FT.
- (2) 018/0.5NM to ARP

**LOCAL TRAFFIC REGULATIONS**

1. ACFT above 5,700KG to turn at RWY ends only. MAX RAD at MNM speed.
2. All jet ACFT to use idle power for movements on the APN with the exception of breakaway thrust to initiate taxi.
3. A319 and A320 ACFT to use Bay 1A only, PPR from AD OPR.
4. Bay 1:
  - a. AVBL to B712, DH8C, DH8D, F100 and E190.
  - b. Dual Lead out lines marked as 'A' or 'B'.
    - (i) ACFT to use lead out 'A': B712, F100.
    - (ii) ACFT to use lead out 'B': DH8C, DH8D, E190.
5. Bay 1A AVBL to A319, A320, DH8D and F100.  
*Note: If Bay 1A is in use, Bay 1 not AVBL, If Bay 1 is in use Bay 1A not AVBL.*
6. Bay 2:
  - a. AVBL to B190, B712, DH8C, DH8D F100, E120 and E190.
  - b. Dual Lead out lines marked as 'A' or 'B'.
    - (i) ACFT to use lead out 'A': B190, E120 and F100.
    - (ii) ACFT to use lead out 'B': DH8C, DH8D, E190.
7. Bay 3 AVBL to B190, B712, DH8C, E120 and SW4.

**FLIGHT PROCEDURES**

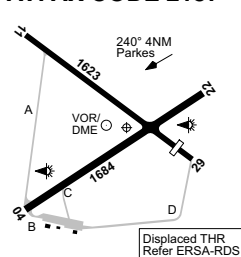
Right hand CCTS RQ when OPR on RWY 24.

**CTAF - AFRU 126.8****ADDITIONAL INFORMATION**

1. Bird hazard (raptors, Australian bustards and corellas) ARO will disperse for SKED OPS or at pilot request. CTC Paraburdoo ARO via CTAF.
2. Frequent mine blasting with associated dust hazard to 1,000FT AGL, HJ at the following locations:
  - a. BRG 152 DEG MAG 9NM FM ARP WI 4NM RAD.
  - b. BRG 215 DEG MAG 6NM FM ARP WI 2NM RAD.
  - c. BRG 245 DEG MAG 9NM FM ARP WI 3NM RAD.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3229.
2. Also refer to AIP Departure and Approach Procedures.

**PARKES****ELEV 1069****AVFAX CODE 2137**

NSW

330753S

1481421E

UTC +10

VAR 11 DEG E

YPKS

CERT

AD OPR Parkes Shire Council, PO Box 337, Parkes, NSW, 2870.

ARO 0427 282 062. Council PH 02 6861 2333.

Website: [www.parkes.nsw.gov.au](http://www.parkes.nsw.gov.au).**REMARKS**

1. AD Charges: refer to Parkes Shire Website.
2. This AD is a Security Controlled Airport.
3. Parkes Radio Telescope - Aircraft Exclusion Zone exists 1NM radius around and 5,000FT ceiling above the telescope. R525 is 8NM N of Parkes aerodrome.

**HANDLING SERVICES AND FACILITIES**

Aero Refuellers: H24 AVGAS and JET A1 self-serve bowser accepts Aero Refuellers card, V and MC. JET A1 fuel tanker AVBL. 1 HR PN. PH 0418 634 997. Call out fee may apply.

## AERODROME OBSTACLES

1. Lit (LIOL) at the FLW positions:
  - a. TWR 1,472FT AMSL BRG 130 MAG 1.07NM FM ARP.
  - b. TWR 1,210FT AMSL BRG 206 MAG 2.6NM FM ARP.
  - c. TWR 1,466FT AMSL BRG 273 MAG 3.38NM FM ARP.
  - d. Hangar 1,070FT AMSL BRG 208 MAG 0.54NM FM ARP.
  - e. TWR 1,093FT AMSL BRG 034 MAG 0.27NM FM ARP.
2. Trees:
  - a. 1,083FT AMSL BRG 220 DEG MAG 1,605M FM ARP. Infringes RWY 04 APCH Visual Segment Surface (VSS).
  - b. 1,079FT AMSL BRG 220 DEG MAG 1,572M FM ARP. Infringes RWY 04 APCH VSS.
  - c. 1,076FT AMSL BRG 217 DEG MAG 1,689M FM ARP. Infringes RWY 22 TKOF SFC.
  - d. 1,089FT AMSL BRG 224 DEG MAG 1,821M FM ARP. Infringes RWY 22 TKOF SFC.
  - e. 1,089FT AMSL BRG 219 DEG MAG 1,701M FM ARP. Infringes RWY 22 TKOF SFC.
  - f. 1,085FT AMSL BRG 223 DEG MAG 1,679M FM ARP. Infringes RWY 22 TKOF SFC.
  - g. 1,083FT AMSL BRG 218 DEG MAG 1,838M FM ARP. Infringes RWY 22 TKOF SFC.
  - h. 1,082FT AMSL BRG 221 DEG MAG 1,644M FM ARP. Infringes RWY 22 TKOF SFC.
  - i. 1,080FT AMSL BRG 223 DEG MAG 1,580M FM ARP. Infringes RWY 22 TKOF SFC.
  - j. 1,073FT AMSL BRG 223 DEG MAG 1,609M FM ARP. Infringes RWY 22 TKOF SFC.
  - k. 1,067FT AMSL BRG 225 DEG MAG 1,576M FM ARP. Infringes RWY 22 TKOF SFC.
  - l. 1,058FT AMSL BRG 226 DEG MAG 1,524M FM ARP. Infringes RWY 22 TKOF SFC.
  - m. 1,141FT AMSL BRG 051 DEG MAG 1,814M FM ARP. Infringes RWY 04 TKOF SFC.

## METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT D, METAR/SPECI.
2. AWIS PH 02 9353 6446 - Report faults to BoM.
3. AWIS FREQ - 128.55 (requires one-second pulse to activate) - Report faults to AD OPR.

## PHYSICAL CHARACTERISTICS

|       |     |     |                              |        |         |
|-------|-----|-----|------------------------------|--------|---------|
| 04/22 | 044 | 55a | PCN 8 /F /C /850 (123PSI) /T | WID 30 | RWS 150 |
| 11/29 | 114 | 53a | PCN 6 /F /C /580 (84PSI) /U  | WID 30 | RWS 90  |

## AERODROME AND APPROACH LIGHTING

|           |         |              |             |               |
|-----------|---------|--------------|-------------|---------------|
| RWY 04/22 | LIRL    | PAL+AA 119.6 |             | SDBY PWR AVBL |
| RWY 04/22 | PAPI(1) | PAL+AA 119.6 | 3.0 DEG48FT | SDBY PWR AVBL |
| RWY 04/22 | RTIL    | PAL+AA 119.6 |             | SDBY PWR AVBL |

(1) Left side.

1. RWY edge light spacing: 04/22: 60M.
2. RWY edge light width: 04/22: 45M.

## OTHER LIGHTING

1. SDBY PWR switchover time: 1 MIN.
2. TWY LGT: Blue edge.
3. SDBY PWR AVBL to TWY and RWY LGT, PAPI IWI, RTIL.

## ATS AND AERODROME COMMUNICATION FACILITIES

FIA MELBOURNE CENTRE 135.25 Circuit Area

## RADIO NAVIGATION AND LANDING AIDS

|                           |     |            |           |            |     |
|---------------------------|-----|------------|-----------|------------|-----|
| DME                       | PKS | 112.0/ 57X | 330752.7S | 1481414.9E | (1) |
| NDB                       | PKS | 242        | 330842.9S | 1481509.4E | (2) |
| VOR                       | PKS | 112.0      | 330752.6S | 1481414.3E |     |
| (1) Antenna ELEV 1,074FT. |     |            |           |            |     |
| (2) 312/1.1 to ARP.       |     |            |           |            |     |

## LOCAL TRAFFIC REGULATIONS

1. Pilots are to make arrangements with ARO for ACFT parking. Markings are provided for RPT services only.
2. RPT entry to RWY 04/22 via TWY B.

## FLIGHT PROCEDURES

OPS in VIS less than 800M not supported.

**CTAF - AFRU 126.7**

## CHARTS RELATED TO THE AERODROME

1. WAC 3456, 3457.
2. Also refer to AIP Departure and Approach Procedures.

### PEARCE

**ELEV 150**

#### AVFAX CODE 6006

WA

314004S

1160054E

UTC +8

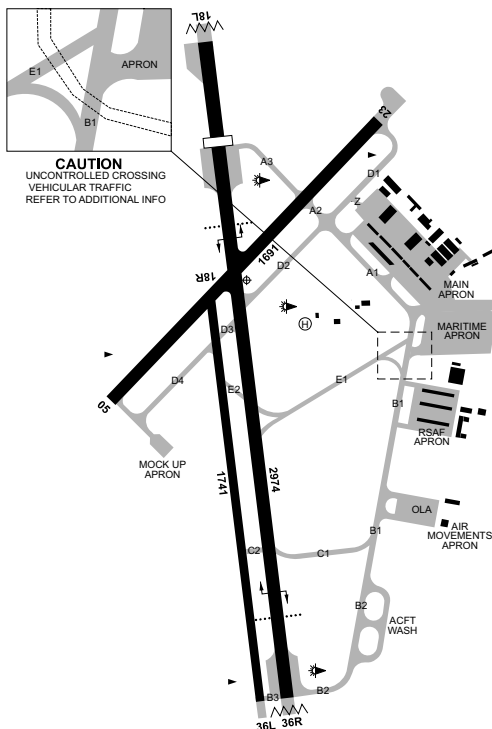
VAR 2 DEG W

YPEA

MIL

AD OPR RAAF, Air Base Command Post - RAAF Base Pearce, Bullsbrook, WA, 6084.

Email: pea.abcp@defence.gov.au. PH 08 9571 7888. Mobile 0419 273 062.



### REMARKS

1. 0000-1600 UTC MON-THU; 0000-0900 UTC FRI EXC PH. FAC may be unmanned during promulgated HR. Flight Planning FAC AVBL at Air Movements.
2. Customs, Health and Immigration on 24 HR PN.

### HANDLING SERVICES AND FACILITIES

Air movements section available 2330-0830 UTC MON-THU, 2330-0600 FRI EXC PH.

All unscheduled movements require 24HRS PN stating operational and technical requirements.

AMS Phone 08 9571 7542 during working hours, 0417 183 823 after hours.

INBD ACFT RQ AMS assistance CTC "AIR MOVEMENTS PEARCE" on 361.6, 15MIN prior to ETA.

F34, NIL AVGAS held (AVBL with 14 days PN). Refuellers 08 9571 7002 or 0403 341 245.

ACFT crew or SQN maintenance will be required to refuel ACFT as only tanker driver provided.

## RESCUE AND FIREFIGHTING SERVICES

- CAT 5 DRG HR of local OPS. OT CAT 4. **24HR PN** RQ for RFFS higher than CAT 4 AH. CTC Fire Watch Room 08 9571 7666.
- RFFS vehicles carry water and foam. Complementary agent carried is up to 36KG dry chemical powder.
- RFF MNT Pearce TWR FREQ 118.3 outside ATS HR.

## APRONS AND TAXIWAYS

- CAUTION: ACFT with wingspan greater than 90FT are not to taxi BTN hangars and Hawk carports.
- TWY E 30FT wide. No shoulders. Unlit. RESTRICTION: Not AVBL to ACFT ABV 3,300KG or to ACFT ABV 690kPa tyre pressure.
- TWY D4 HLDG point lights ADJ to RWY 18R/36L are not coincident with the HLDG point lines. HLDG point lights are correctly LCA outside the RWY strip.

## AERODROME OBSTACLES

Various OBST infringing OLS. CTC AD OPR for details.

## METEOROLOGICAL INFORMATION PROVIDED

- TAF CAT B, METAR/SPECI, TAF3 AVBL during MO HR (2300-0900 UTC MON-THU, 2300-0600 UTC FRI, EXC PH, OT by TAF RMK/NOTAM), AD and WS WRNG during MO HR.
- AWIS Phone 08 6216 2632 - Report faults to BoM.
- AWIS FREQ 316.1 - Report faults to 0409 098 925.
- MET INFO AVBL FM Airservices Pilot Briefing. Elaborative briefing FM Defence MO 08 9571 7125 when staffed. AH AVBL FM MWO 08 9263 2255.

## PHYSICAL CHARACTERISTICS

|         |     |     |                                     |        |         |
|---------|-----|-----|-------------------------------------|--------|---------|
| 05/23   | 046 | 55a | PCN 42 /F /C /1750 (254PSI) /T C130 | WID 45 | RWS 230 |
| 18L/36R | 175 | 98a | PCN 56 /F /C /1750 (254PSI) /T C5A  | WID 45 | RWS 280 |
| 18R/36L | 175 | 57a | PCN 12 /F /C /1000 (145PSI) /U      | WID 30 |         |

- RWY 18R/36L AVBL to ACFT BLW 5,700KG.
- DIST to run marker boards left hand side only RWY 05/23. No 2,000FT DIST to run marker L side of RWY 36.
- RWY 23, non-controlled vehicular TFC WI 1,000FT FM NE end of RWY THR. Building and trees 180FT to 220FT AGL WI S side of APCH plane to RWY 23.
- RWY 18L/36R nil RESA AVBL due M34B Barrier System infrastructure infringement.

## ARRESTING GEAR

|         |          |       |          |         |
|---------|----------|-------|----------|---------|
| RWY 18L | M34B (R) | ----- | M34B (R) | RWY 36R |
|         | 30 (100) |       | 30 (100) |         |
|         | OVRN     |       | OVRN     |         |

- BAK 12/14 Hookcable system removed (arrester not AVBL). Arrester infrastructure (steel sheave/CONC Kerb) in place 1FT high ADJ RWY edge LOC 400M (1,312FT) FM THR 18L and 460M (1,509FT) FM THR RWY 36R. Marked by yellow discs.
- Routine servicing for M34B Arrester System:  
MON-THU - 2200-2330 UTC  
FRI - 2200-2345 UTC  
WAE will require 15 MIN notice to vacate RWY.
- M34B arrester equipped with FLG R lights LCA either side of barrier. If lights are VIS on final, APCH LDG is being attempted over a raised barrier.
- M34B arrester system is only made AVBL on request (24HR PN), and operated when TWR is active.

**AERODROME AND APPROACH LIGHTING**

|             |                                                                                                        |             |               |
|-------------|--------------------------------------------------------------------------------------------------------|-------------|---------------|
| RWY 05/23   | MIRL                                                                                                   |             | SDBY PWR AVBL |
| RWY 05/23   | PTBL(1)                                                                                                |             |               |
| RWY 18L/36R | MIRL                                                                                                   |             | SDBY PWR AVBL |
| RWY 18L/36R | PTBL(1)                                                                                                |             |               |
| RWY 18L     | PAPI(2)                                                                                                | 3.0 DEG47FT | SDBY PWR AVBL |
| RWY 36R     | PAPI(2)                                                                                                | 3.0 DEG68FT | SDBY PWR AVBL |
| (1)         | Electric. 15MIN PN.                                                                                    |             |               |
| (2)         | Aligned with ILS GP.                                                                                   |             |               |
| 1.          | AD LGT intensity fixed and cannot be varied when tower is not ACT.                                     |             |               |
| 2.          | Handheld LGT signal FM TWR not AVBL for ACFT tracking straight in RWY 36L and 36R due new control TWR. |             |               |
| 3.          | New ATC TWR not commissioned. Observe old ATC TWR for handheld LGT signals in case of COM failure.     |             |               |

**ATS AND AERODROME COMMUNICATION FACILITIES**

|         |                                                                                                                                                                                                                                                                                                                                          |     |                                          |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------------------------------------|
| FIA     | PERTH CENTRE                                                                                                                                                                                                                                                                                                                             |     | 135.25 On Ground (Outside PEA TWR HR)    |
| ACC     | PEARCE CENTRE                                                                                                                                                                                                                                                                                                                            | (1) | 123.3 (2) 135.9 (8) 243.0 (5) 285.55 (9) |
| ACC/RSR | MELBOURNE CENTRE                                                                                                                                                                                                                                                                                                                         |     | 125.2 133.9                              |
| ACD     | PEARCE DELIVERY                                                                                                                                                                                                                                                                                                                          |     | 134.1                                    |
| APP     | PEARCE APPROACH                                                                                                                                                                                                                                                                                                                          |     | 130.2 243.0 (5)                          |
| APP     | PERTH APPROACH                                                                                                                                                                                                                                                                                                                           |     | 123.6 132.95                             |
| ATIS    | PEARCE                                                                                                                                                                                                                                                                                                                                   | (4) | 136.4 316.1 340                          |
| DEP     | PERTH DEPARTURES                                                                                                                                                                                                                                                                                                                         |     | 118.7                                    |
| SMC     | PEARCE GROUND                                                                                                                                                                                                                                                                                                                            |     | 127.25 (7)                               |
| SMCV    | PEARCE GROUND                                                                                                                                                                                                                                                                                                                            |     | 121.6 (7)                                |
| TWR     | PEARCE TOWER                                                                                                                                                                                                                                                                                                                             | (3) | 118.3 243.0 (5) 257.8 340 (6)            |
| (1)     | OPS in D193 will be ADZ on REQ by Pearce Centre 135.9, COMMS and ATC workload permitting.                                                                                                                                                                                                                                                |     |                                          |
| (2)     | MIL JET OPS in D198 will be ADZ on REQ by Pearce Centre 123.3, COMMS and ATC workload permitting. Retransmit FAC exists BTN FLW FREQ 123.3/135.9/285.55, when concentrated on CENTRE 123.3.                                                                                                                                              |     |                                          |
| (3)     | Automatic retransmit FAC exists BTN FLW FREQ: 118.3/257.8                                                                                                                                                                                                                                                                                |     |                                          |
| (4)     | ATIS BCST 136.4 316.1 DRG ATS HR. AWIS OT. ATIS AVBL H24 phone 08 9570 2257. AWIS AVBL H24 phone 08 6216 2632.                                                                                                                                                                                                                           |     |                                          |
| (5)     | EMERG FREQ guarded.                                                                                                                                                                                                                                                                                                                      |     |                                          |
| (6)     | Transmits voice on NDB to ACFT with COM failure.                                                                                                                                                                                                                                                                                         |     |                                          |
| (7)     | Automatic retransmit FAC exists BTN 127.25/121.6.                                                                                                                                                                                                                                                                                        |     |                                          |
| (8)     | Retransmit FAC exists BTN FLW FREQ 123.3/135.9/285.55, when concentrated on CENTRE 123.3.                                                                                                                                                                                                                                                |     |                                          |
| (9)     | Ocean RNP OPS.                                                                                                                                                                                                                                                                                                                           |     |                                          |
| 1.      | General ATC enquiries email <a href="mailto:pea44wg.aprspr@defence.gov.au">pea44wg.aprspr@defence.gov.au</a> or phone 08 9476 8513. Time critical ATC enquiries phone 08 9476 8622.                                                                                                                                                      |     |                                          |
| 2.      | MIL radar OPR at 346 DEG MAG 17NM FM Pearce ARP. Possible avionics interruptions or errors WI 150M of radar BLW 1,300FT AMSL.                                                                                                                                                                                                            |     |                                          |
| 3.      | For ACFT ARR and DEP YPEA AH, a portion of R155A may be activated by NOTAM. AFIS is provided in this TRA. This service requires MNM 7 days notice via email: <a href="mailto:pea.abcp@defence.gov.au">pea.abcp@defence.gov.au</a> . Always check ATIS 316.1, PEA NDB 340, PH Centre 135.25 or ATC for status of airspace prior to entry. |     |                                          |



**RADIO NAVIGATION AND LANDING AIDS**

|     |     |                     |           |            |                       |
|-----|-----|---------------------|-----------|------------|-----------------------|
| DME | IPC | 111.9/ 56X (RWY36R) | 314051.8S | 1160104.3E | (4)                   |
| GP  | IPC | 331.1 (RWY36R)      | 314051.8S | 1160104.3E |                       |
| ILS | IPC | 111.9 (RWY36R)      | 313917.3S | 1160045.8E |                       |
| LOC | IPC | 111.9 (RWY36R)      | 313917.3S | 1160045.8E |                       |
| GP  | IPE | 330.2 (RWY18L)      | 313953.8S | 1160046.0E |                       |
| ILS | IPE | 110.7 (RWY18L)      | 314112.4S | 1160101.0E | (3)                   |
| LOC | IPE | 110.7 (RWY18L)      | 314112.4S | 1160101.0E |                       |
| MM  | IPE | 75 (RWY18L)         | 313910.8S | 1160044.9E |                       |
| OM  | IPE | 75 (RWY18L)         | 313439.3S | 1160007.3E |                       |
| NDB | PEA | 340                 | 313915.8S | 1160108.1E | Range 100 (HN 75) (1) |
| TAC | PEA | 112.8/ 75X          | 314026.0S | 1160103.0E | (2)                   |

(1) ATIS and voice AVBL for EMERG use only - 197/0.8 to ARP - Antenna ELEV 144FT.

(2) 343/0.39 to PEARCE ARP, 329/14.79 to GINGIN ARP - LIMITATION: Reception unreliable BTN 020-150 BLW 12000FT due to terrain shielding and signal reflections. Range and BRG unlocks 325 to 350 at 35NM and at 45NM BTN 3000-4000FT. Limited due BRG oscillations of up to +/- 6 DEG BTN 35NM and 45NM at 2600FT on 190 radial. SUBJ INTRP cone of silence 067 DEG instead of 060 DEG. Information loss may be longer than expected.

(3) ILS Critical Area not protected outside TWR HR.

(4) Antenna ELEV 37FT.

All NAVAIDS Pilot monitored outside TWR HR.

**LOCAL TRAFFIC REGULATIONS**

- Locally briefed MIL ACFT operating IFR will be separated from other IFR ACFT and be provided with a SIS on VFR ACFT.
- C17 or larger ACFT DEP RWY 18L/36R, request line-up at least 200FT FM THR to minimise effects on arrestor nets.
- ILS TRAINING - CIVIL ACFT**  
RWY 18 ILS is AVBL for training outside TWR HR. The following limitations apply:
  - All NOTAMs for Pearce must be obtained at the planning stage immediately prior to DEP;
  - The procedure including the overshoot must be conducted in Class G airspace.
  - AVBL in VMC by day.
  - SUBJ approval of Pearce TWR if a portion of R155A is active AH.
  - Full stop and touch and go landings are not permitted, unless prior authorisation has been obtained from Pearce OPSCOORD1; and
  - Landing, Strobe and NAV lights are to be on whilst carrying out approaches at all times.

**Caution:** The procedure is close to the Perth CTR. The published missed approach procedure must not be used as it infringes controlled airspace. Pilots must conduct a visual missed approach ensuring that the aircraft remains north of the PH CTR and below the overlying CTA at all times.

**4. OPERATIONAL READINESS PLATFORMS**

- ORP WI RWS E and W of THR RWY 18/36 may contain vehicles or MIL ACFT at any time. ACFT/vehicles in ORP will be no closer than 8M FM RWY edge. ACFT with wingspan of 40.5M (133FT) or less permitted to TKOF and land with either ORP in use. TWR will advise visiting arriving ACFT through the phraseology "Approach and/or departure end ORP/s in use". Visiting departing ACFT will be advised that the DEP end ORP is in use. ACFT captains may refuse to use the RWY until ORP is vacated. In such instances delays can be expected.
- ORP on both sides of THR RWY 18L/36R. Dimensions 565FT X 150FT.  
Restriction: Western ORP RWY 18L not AVBL to ACFT ABV 7,300KG.
- ORP not AVBL when CIV ACFT occupy RWS 18/36.

5. All known heavy (wake turbulence category) ACFT movements requiring reversing to gain maximum length must be notified to ABCP or OPSCOORD on (08) 9571 7888. This should be done as soon as practicable to facilitate removal and prevent damage to barrier nets.
6. Outside TWR HR: ACFT taxiing from AIR MOVEMENTS must taxi for DEP via TWY B and A to RWY 18 or via TWY B, A and D to backtrack for RWY 36. All other ACFT must taxi for DEP via TWY D to backtrack RWY 36 and via TWY C to backtrack RWY 18.
7. RWY 05/23 ARR and DEP not AVBL when ACFT above Code C (Wingspan 36M) OPR on TWY D due RWS infringement.

## FLIGHT PROCEDURES

1. Right hand circuits RQ when OPR on RWY 18 or 23.

### 2. **ATC TRAFFIC MANAGEMENT SPEED**

When **not** on a SID or STAR (including vectoring) - ACFT ARR or DEP PE via Class C airspace must not exceed 250KT IAS when BLW 10,000FT AMSL. Advise ATC if a higher speed is operationally required.

### 3. **PEARCE PARALLEL RWY POLICY**

Parallel RWY OPS are to cease while a non-local aircraft is occupying the RWS 18/36.

### 4. **NON-LOCAL AIRCRAFT ARR AND DEP**

- a. 15 MIN holding fuel RQ for visiting ACFT ARR at Pearce.
- b. All visiting ACFT are to PLN via Perth for ARR and DEP. ARR - Expect STAR with vectors for Pearce WI 10DME Perth. DEP - on CLR issue expect tracking via Perth TFC Management RTE. Tracking is dependent on RWY in use at Perth.
- c. **REJOINS.** The preferred APCH for visiting ACFT (including fast jets) is via base leg or 5NM straight-in final to the duty RWY. ACFT rejoining via initial are to restrict speed to not ABV 350KT IAS.

## 5. **MILITARY AIRSPACE - ACCESS PROCEDURES**

- 5.1. Access to MIL airspace is available as follows:

Non pressurised flights 5,000FT and BLW (levels up to 10,000FT may be available on request) may plan to transit R156/R163/M166/M171A via a track established on W14 route from OTKUN (YRTI) - UPTK - BUVEL (YJUR) or reverse. All ACFT planning this route are to be equipped with a serviceable transponder. A Class D radar service will be provided by Pearce ATC on this route.

- 5.2. Flights other than those wishing to track via the transit areas are to obtain prior authority as FLWS:

- a. VFR operators wishing to transit PEA restricted areas are to contact PEA ATC at least 10MIN prior to the restricted area boundary and request clearance. The availability of the clearance will be determined by MIL flying activity. Clearance to transit R155AB will not normally be available.
- b. Tracking via the COT is AVBL outside of Pearce Restricted Areas.
- c. Separation will be provided for VFR flights in Pearce Restricted Areas in accordance with a Class C radar service.
- d. ACFT wishing to operate in PEA Restricted Areas during normal PEA OPR HR are required to obtain prior authority by telephoning Approach Supervisor (08 9476 8622) not later than 0700 UTC on the last normal working day prior to the activity.

*Note: Authority to OPR WI these areas does NOT constitute an AWY Clearance. SPECIFIC AWY Clearance for individual flights must be obtained prior to OPR WI these areas.*

## 6. **ATC CLEARANCES TO OPERATE IN CTA/R**

- a. If active, contact Pearce APP 130.2 MHz for entry into R153A-D, R155AB, R156, M171AB, M166, R163, M170AB, M182A-G and M161 at least 10NM prior to training area entry point to confirm flight details and obtain clearance.
- b. **Survey/Photography Aircraft**  
ACFT requesting to conduct survey or photography work within PEA restricted airspace are to email a survey map detailing: area of operation(s), date(s), time(s), level(s), flight category, ACFT type and registration. File size should be kept to a minimum, APRX 2MB in size. Email requests to Pearce Approach Supervisor: pea44wg.aprspr@defence.gov.au. With a minimum of 48HR PN to avoid denial of airborne clearances.

**7. REMOTELY PILOTED AIRCRAFT SYSTEMS (RPAS)**

- a. All RPAS requests are to be emailed to: [pearce.rpas@defence.gov.au](mailto:pearce.rpas@defence.gov.au).
- b. A minimum of 7 days notice is required. Approval subject to nature and location of flight, ATC workload and MIL traffic.
- c. The following information shall be provided in the request email:
  - (i) Date (with alternate if applicable).
  - (ii) Time.

*Note: That requests for operations outside airfield hours have a higher chance of being approved.*

- (iii) RPAS type, weight, and brief description (required for NOTAM).
  - (iv) Operating height.
  - (v) Area of operations, including LAT/LONG. Include a map or screenshot where possible.
  - (vi) Operator certificate.
  - (vii) Contact details including a primary and secondary contact.
- d. ATC approval of operation does not constitute approval for photography of any defence installation. CTC ABCP 08 9571 7888 for photographic approval.

**8. AIR TRAFFIC SERVICES**

- a. Class D ATS provided to MIL and AUTH CIV ACFT in accordance with Air Command Standing Instructions OPS 03-16 within Pearce RA.
- b. Other ACFT receive class C ATS with respect to all ACFT in Pearce RA. Class C VMC applies for all ACFT in Pearce RA, excluding Pearce and Gingin circuit area where class D VMC applies to MIL and AUTH CIV ACFT.

**9. OUTSIDE TWR HR**

- a. Aircrew OPR FM Pearce AH are to notify Fire Section on phone 08 9571 7666 to advise EOB/ETA and for ACT of AD LGT if required. Airborne ACFT must CTC "Base Fire" on TWR FREQ 118.3 to advise accurate ETA 20MIN BFR ARR.
- b. Flights planned to enter PH CTR/CTA must contact Perth centre 135.25 for clearance.

**CTAF - AFRU 118.3**

Outside TWR HR.

**ADDITIONAL INFORMATION**

1. Civil Pearce Flying Club OPR from Greenside AD APRX PEARCE 337/8.9NM (313148S 1155648E), APRX 4NM north of Muchea township outside TWR HR. Greenside AD circuit ACFT MNT 118.3 and 135.25.
2. RWY 23 THR may be occupied by ACFT conducting compass swings H24.
3. Visiting MIL aircrew planning to OPR FM Pearce CTC Air Operations Coordinator on 08 9571 7004, 0417 181 456, Fax 08 9571 7457 or [pea.airopscoord@defence.gov.au](mailto:pea.airopscoord@defence.gov.au) prior to or on ARR at Pearce.
4. Model ACFT OPR FM PSN 314430.00S 1160236.00E (APRX 4.8NM SSE of AD), may be active outside TWR HR JF in VMC up to 1,000FT AGL.
5. Model ACFT may OPR WI 500M of PSN 313630.85S 1154713.48E (APRX 13NM WNW of AD) up to 400FT AGL during periods of R155A activation. Outside of TWR HR model ACFT may OPR up to 1,500FT AGL HJ.
6. Animal hazard exists. Increased kangaroo and bird hazard (corella) in VCY of AD BTN 0800 - 0900 UTC in addition to dawn and pre dusk.
7. Caution:
  - a. RWY sweeper and barrier crew may be OPR AD.
  - b. Due to terrain shielding taxiing ACFT and/or ground vehicles operating at one end of the airfield cannot hear taxiing ACFT and/or ground vehicles operating at the other end on the CTAF.
  - c. Uncontrolled Intersection: TWY B1 and TWY E1 intersect with a vehicle access road. Carriage of a radio is not required by vehicles crossing at this INT. Watch for vehicles approaching FM both sides. Exercise caution during CTAF HR and during periods of low VIS
8. An airfield inspection service can be requested from Transfield Fire Services on the CTAF if required to establish the presence of other operators. ACFT with multiple antennae must use upper antennae in preference.

CHARTS RELATED TO THE AERODROME

- 1. WAC 3351, 3468.
- 2. MIL Aerodrome Obstruction Chart Type A: DEC 2016.
- 3. Also refer to AIP Departure and Approach Procedures.

PENFIELD

VIC  
373048S

1444154E

UTC +10  
VAR 11 DEG E

ELEV 1150

FULL NOTAM SERVICE NOT AVBL

YPEF  
UNCR

AD OPR Penfield Enterprises Pty Ltd, 295 Settlement Road, Sunbury, VIC, 3429.  
PH AD Owners 0418 373 246: AD OPS MGR 0417 381 551.

REMARKS

- 1. Private airfield, PPR CTC owner or manager 0418 373 246 or 0417 381 551.
- 2. Radio is mandatory.
- 3. After several days of heavy rain, contact AD MGR for RWY condition.
- 4. Twin engine ACFT by approval of OPS MGR.
- 5. Landing and overnight PRKG fees apply - all ACFT.

HANDLING SERVICES AND FACILITIES

Nil fuel AVBL.

PASSENGER FACILITIES

WC.

AERODROME OBSTACLES

- 1. Pine trees in TKOF splay RWY 36 and on APCH to RWY 18.
- 2. Concrete traffic bollards across the end of RWY 18, at the end of the over run area.

PHYSICAL CHARACTERISTICS

|       |     |                                 |        |        |
|-------|-----|---------------------------------|--------|--------|
| 15/33 | 25c | Unrated. Grass. RWY LEN 750M.   | WID 30 | RWS 45 |
| 18/36 | 40c | Unrated. Grass. RWY LEN 1,230M. | WID 30 | RWS 45 |

ATS AND AERODROME COMMUNICATION FACILITIES

FIA                      MELBOURNE CENTRE                      135.7 On Ground

LOCAL TRAFFIC REGULATIONS

- 1. TKOF from RWY ends (noise abatement) except for TGL.
- 2. Precautionary search training not permitted. Noise abatement.
- 3. All ACFT must park facing W on flight line. Entry is E of flight line and egress W of flight line.
- 4. Overnight PRKG AVBL.

FLIGHT PROCEDURES

- 1. All CCTS to the W at 2,000FT AMSL and W of Riddell Road.
- 2. Ultra-light ACFT (MAX 55KTS) CCTS to the W but E of Riddell Road.
- 3. Do not overfly pine forest W of RWY intersection below 1,700FT AMSL. Paintball may be in progress.
- 4. Straight in approaches or base joins not permitted.

CTAF 121.6

ADDITIONAL INFORMATION

- 1. Airfield used for ab Initio training. Students may be operating in solo CCTS.
- 2. CAUTION: Note close proximity of CTA (S, E and above 2,500FT AMSL also Riddell Creek Airport 2.2NM N with CCTS to E.

CHARTS RELATED TO THE AERODROME

WAC 3469, 3470.

81

36

⊕

A

WA

284942S

1184948E

AD OPR Penny Operations Pty Ltd, Level 1, 130 Royal Street, East Perth, WA, 6004.

PH ARO/AD MGR 0455 555 306 H24. PH 08 9202 1127.

Website: [www.rameliusresources.com.au](http://www.rameliusresources.com.au).

REMARKS

1. PPR.

2. HJ only.

HANDLING SERVICES AND FACILITIES

Marshalling, parking allocation and ground handling services by prior arrangement with AD MGR.

ELEV 1563

FULL NOTAM SERVICE NOT AVBL

UTC +8

YPEN

VAR 0 DEG E

UNCR

APRONS AND TAXIWAYS

1. TWY A - PCN 9/F/B/1570/T. Gravel. WID 15M.

2. APN - PCN 9/F/B/1570/T. Gravel.

PHYSICAL CHARACTERISTICS

18/36

59c

PCN 9 /F /B /1570 (228PSI) /T Gravel.

RWY

WID 30

RWS 150

LEN 1,800M. Slope 0.24% down to N.

AERODROME AND APPROACH LIGHTING

RWY 18/36

PTBL(1)

BY PRIOR ARRANGEMENT

(1) E-Flares for emergencies only. 90 MIN PN.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

MELBOURNE CENTRE

124.8

LOCAL TRAFFIC REGULATIONS

1. All fixed wing must make MAX RAD turns at MNM speed at turn pads to avoid SFC damage.

2. All ACFT to use idle power for movements on the APN with the exception of breakaway thrust to initiate taxi.

3. RWS not available for flight operations.

CTAF 126.7

CHARTS RELATED TO THE AERODROME

WAC 3351.

PERCH PLATFORM

AVFAX CODE 9710

VIC

383409S

1471921E

AD OPR ESSO Australia Pty Ltd., Garretts Road, Longford, VIC, 3851. PH 03 5143 4200.

ELEV 80

FULL NOTAM SERVICE NOT AVBL

UTC +10

YUPE

VAR 13 DEG E

UNCR

REMARKS

1. Offshore oil and gas platform.

2. CASA approved operators only.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

MELBOURNE CENTRE

124.0

CTAF 129.75

ADDITIONAL INFORMATION

Perch Platform is part of the Bass Strait maritime security zone.

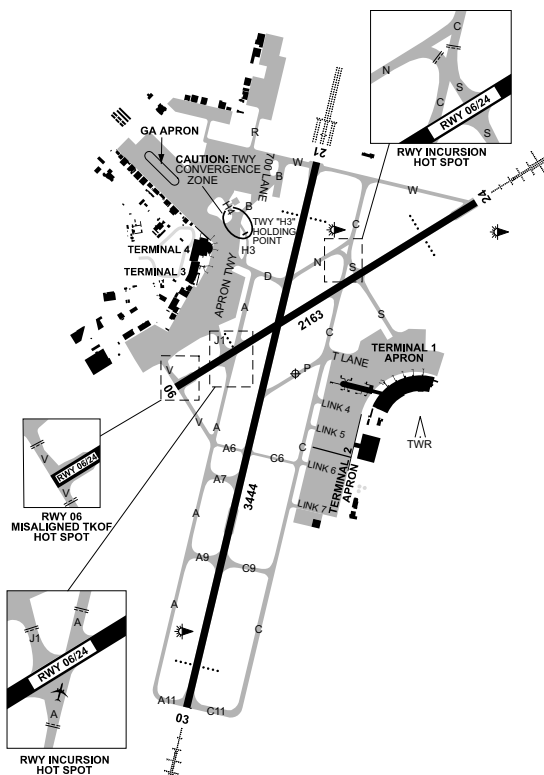
CHARTS RELATED TO THE AERODROME

1. WAC 3470.

2. Also refer to AIP Departure and Approach Procedures.

**PERTH****ELEV 67****AVFAX CODE 6001**

WA  
 315625S 1155801E UTC +8  
 VAR 2 DEG W YPPH  
 CERT  
 AD OPR Perth Airport Pty Ltd, PO Box 6, Cloverdale, WA, 6105. Email: adm@perthairport.com.au.  
 PH 08 9478 8888. ARO Airfield Duty Manager 08 9478 8424: 0419 195 790 H24.  
 Fax 08 9478 8428. Website: www.perthairport.com.au.

**REMARKS**

1. AD Charges: All ACFT.
2. This AD is a Security Controlled Airport.
3. Follow me service AVBL on REQ to ATC.

**HANDLING SERVICES AND FACILITIES**

AIR BP: H24 Phone: 08 9478 9898, 0400 205 728. JET A1, F34, AVGAS. AIR BP carnet.  
 Viva Energy Aviation: 0400-0100 Local DLY. Phone 08 9277 2800, 0409 205 046,  
 Fax 08 9478 2280. JET A1. Fuel2Sky Carnet cards.

Airflite: FBO services, ground handling, lounge, fuel sales and hangar facilities. PVT ACFT. OPS  
 H24. Phone 0487 818 599 or 08 9478 9087. Email: perthops@airflite.com.au.  
 Website: www.airflite.com.au.

Pearl Flight Centre: FBO services, fuel sales and VIP facilities. MEDIVAC, Customs, Immigration and Biosecurity services AVBL H24 with 2HR PN for Civil and MIL ACFT. Short/long-term apron PRKG AVBL on PVT apron, direct ACFT and vehicle access. Apron and hangar located off GA APN TWY. OPS H24. Phone 0488 101 978. Email: perthfc@pearlflightcentre.com.au. GA and itinerant operators must appoint a ground handling agent 48HR prior to OPR at Perth. Limited power out OPS AVBL to general aviation. Refer to: [www.perthairport.com.au/Home/corporate/work-with-us/operating-at-perth-airport/aeronautical-charges](http://www.perthairport.com.au/Home/corporate/work-with-us/operating-at-perth-airport/aeronautical-charges).

## General

The AD OPR does not provide ACFT marshalling services. Where ACFT marshalling is required, the pilot should confirm arrangements with Ground Handlers prior to landing.

## RESCUE AND FIREFIGHTING SERVICES

1. CAT 9 H24.
2. 131.0 MHz AVBL H24.

## AERODROME OBSTACLES

1. Antenna infringing TNS BRG 035 MAG 0.78NM FM ARP 144FT AMSL.
2. RWY 06/24 TNS may be infringed by ACFT parked on bays 901-904.
3. Lit (LIOL) and marked TWR at positions:
  - a. 115DEG/0.45NM FM ARP 328FT AMSL, Control TWR.
  - b. 115DEG/5.82NM FM ARP 1,188FT AMSL, Western PWR TWR.
  - c. 125DEG/7.2NM FM ARP 1,574FT AMSL, TV 7 TWR.
  - d. 126DEG/7.3NM FM ARP 1,581FT AMSL, ABW 2 TWR.
  - e. 141DEG/2.4NM FM ARP 271FT AMSL, Optus TWR.
  - f. 263DEG/5.8NM FM ARP 866FT AMSL, Central Park Building.
  - g. 278DEG/2.6NM FM ARP 279FT AMSL, 6IX TWR.
4. Lit (HIOL HJ) and marked TWR: 131DEG/6.5NM FM ARP 1,649FT AMSL, TV 10 TWR.

## METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT A, METAR/SPECI, TAF3 H24, AD WRNG, WS WRNG.
2. MET INFO AVBL FM Airservices Pilot Briefing. Elaborative briefing FM MWO 08 9263 2255.
3. AWIS PH 08 6216 2633 - Report faults to BoM.

## PHYSICAL CHARACTERISTICS

- |       |     |      |                                        |        |         |
|-------|-----|------|----------------------------------------|--------|---------|
| 03/21 | 016 | 113a | PCN 60 /F /A /1500 (218PSI) /T Grooved | WID 45 | RWS 300 |
| 06/24 | 061 | 71a  | PCN 60 /F /A /1500 (218PSI) /T Grooved | WID 45 | RWS 300 |
1. All RWY ends ungrooved start of TKOF through to 160M.
  2. RWY 03/21 transitional SFC infringed W side 300M FM RWY 03 THR. OBST is illuminated WDI 94FT AMSL.

## AERODROME AND APPROACH LIGHTING

- |           |                 |             |               |
|-----------|-----------------|-------------|---------------|
| RWY 03/21 | HIRL            |             | SDBY PWR AVBL |
| RWY 03/21 | MIRL            |             | SDBY PWR AVBL |
| RWY 03/21 | PAPI(2)         | 3.0 DEG71FT | SDBY PWR AVBL |
| RWY 03/21 | RCLL(1)         |             | SDBY PWR AVBL |
| RWY 03    | HIAL-CAT I      |             | SDBY PWR AVBL |
| RWY 21    | HIAL-CAT III(4) |             | SDBY PWR AVBL |
| RWY 21    | RTZL            |             | SDBY PWR AVBL |
| RWY 06/24 | HIRL            |             | SDBY PWR AVBL |
| RWY 06/24 | MIRL            |             | SDBY PWR AVBL |
| RWY 06    | PAPI(3)         | 3.0 DEG64FT | SDBY PWR AVBL |
| RWY 24    | HIAL-CAT I      |             | SDBY PWR AVBL |
| RWY 24    | PAPI(2)         | 3.0 DEG71FT | SDBY PWR AVBL |
- (1) 15M spacing.
  - (2) Both sides and coincide with RWY Aim Point Markings.
  - (3) Left side only and coincide with RWY Aim Point Markings.
  - (4) Associated SFL 600M.

1. **ALS type and length**
  - a. RWY 21 - HIAL ASFL III barrette CL: 900M.
  - b. RWY 24 - distance coded CL: 900M.
  - c. RWY 03 - distance coded CL: 900M.
2. RWY edge light spacing: 03/21: 60M; 06/24: 60M.
3. Stop Bars and RGL at all RWY/TWY INT.

## OTHER LIGHTING

TWY LGT: Green CL.

## ATS AND AERODROME COMMUNICATION FACILITIES

|        |                  |                     |
|--------|------------------|---------------------|
| FIA    | PERTH CENTRE     | 135.25 (4)          |
| ACD    | PERTH DELIVERY   | 118.55 (5)          |
| APP    | PERTH APPROACH   | 123.6 132.95        |
| ATIS   | PERTH (2)        | 113.7 (3) 123.8     |
| DEP    | PERTH DEPARTURES | 118.7               |
| SMC    | PERTH GROUND     | 121.7 (6) 122.2 (7) |
| TWR    | PERTH TOWER      | 127.4               |
| VOLMET | AUSTRALIA        | 6676 (1) 11387 (1)  |

- (1) H24, BCST 00 - 05 & 30 - 35. Refer AIP GEN 3.5.
- (2) ATIS AVBL H24 via telephone 08 9476 8800. ATIS duty RWY 06 for DEP EAST includes SID via AMANA, HECTO, MEMUP, MUBID, LENVU, PUMRY, REPOK and YNRV. ACD will confirm DEP RWY on request.
- (3) Perth VOR.
- (4) Call for ATC Clearances for DEP HLS/ALA WI Perth CTR or Pearce AD (when Pearce deactivated) or IFR/VFR by night DEP Jandakot directly into Perth CTA/CTR. VFR ACFT intending to enter PH TMA CTA/CTR areas call this FREQ with flight details prior to requesting ATC clearance (see Special Procedures section).
- (5) Call for ATC Clearances for DEP FM Perth AD.
- (6) W of RWY 03/21.
- (7) E of RWY 03/21.

## RADIO NAVIGATION AND LANDING AIDS

|     |     |                    |           |            |     |
|-----|-----|--------------------|-----------|------------|-----|
| DME | IGD | 109.5/ 32X (RWY21) | 315553.0S | 1155809.8E | (7) |
| GP  | IGD | 332.6 (RWY21)      | 315553.0S | 1155809.5E |     |
| ILS | IGD | 109.5 (RWY21)      | 315742.9S | 1155731.6E | (2) |
| LOC | IGD | 109.5 (RWY21)      | 315742.9S | 1155731.6E |     |
| DME | IPH | 109.9/ 36X (RWY24) | 315601.1S | 1155836.9E | (8) |
| GP  | IPH | 333.8 (RWY24)      | 315600.7S | 1155836.6E |     |
| ILS | IPH | 109.9 (RWY24)      | 315631.9S | 1155724.6E | (5) |
| LOC | IPH | 109.9 (RWY24)      | 315631.9S | 1155724.6E |     |
| DME | IPN | 110.1/ 38X (RWY03) | 315722.0S | 1155742.6E | (4) |
| GP  | IPN | 334.4 (RWY03)      | 315721.9S | 1155742.3E |     |
| ILS | IPN | 110.1 (RWY03)      | 315533.5S | 1155809.2E | (6) |
| LOC | IPN | 110.1 (RWY03)      | 315533.5S | 1155809.2E |     |
| DME | PH  | 113.7/ 84X         | 315642.2S | 1155734.4E | (3) |
| VOR | PH  | 113.7              | 315642.2S | 1155733.2E | (1) |

- (1) Voice AVBL for EMERG use.
- (2) TCH 50FT. Close proximity to PEA ILS. ILS RWY 21 Performance Classification III/E/4.
- (3) Antenna ELEV 84FT.
- (4) Antenna ELEV 75FT.
- (5) Close proximity to PEA ILS. TCH 51FT.
- (6) TCH 50FT, ILS RWY 03 Performance Classification I/T/1.
- (7) Antenna ELEV 61FT.
- (8) Antenna ELEV 72FT.



**LOCAL TRAFFIC REGULATIONS**

1. **RUNWAY INCURSION HOT SPOTS**
  - a. TWY J1 and A due ACFT slow to vacate RWY 24 after misidentifying exit, intersection complexity and distance of holding points from RWY.
  - b. TWY C, N and S due intersection complexity and distance of holding points from RWY.
2. **TAXIWAY AND APRON RESTRICTIONS**
  - a. ACFT 19,000KG/24M MAX wingspan and BLW
    - (i) GA Taxilane.
  - b. Code C ACFT and BLW, MAX 46,000KG MTOW
    - (i) TWY W west of TWY R and W Lane.
  - c. Code C ACFT and BLW
    - (i) Intermediate hold point of TWY A6;
    - (ii) Link 4 BTN Bay 146 and Bay 202;
    - (iii) Link 5, 6 and 7;
    - (iv) Terminal 3 Taxilane;
    - (v) TWY C and TWY W for RWY 24 behind Code E ACFT or ABV at Holding Point for RWY 21;
    - (vi) Via TWY C, TWY S and TWY N intersection when ACFT holding on TWY C or TWY N short of RWY 06/24;
    - (vii) TWY R.
  - d. Code C ACFT and BLW except A321
    - (i) TWY H3 and H4;
    - (ii) Hotel Lane;
    - (iii) 500 Lane;
    - (iv) Link 1 and 2.
  - e. ACFT A330 and BLW
    - (i) Link 4 BTN TWY C and Bay 147;
    - (ii) Intermediate hold point of TWY D BTN RWY 03/21 and TWY A.
  - f. Code E ACFT and BLW
    - (i) APN TWY BTN TWY B and TWY V;
    - (ii) TWY V BTN RWY 06/24 and APN TWY;
    - (iii) TWY D, TWY B, TWY A and TWY J1;
    - (iv) Terminal 1 APN taxilane BTN Bay 154 and 156.
3. **TURNING LIMITATIONS**
  - a. Code C ACFT and BLW
    - (i) Left turn FM TWY J1 to APN TWY;
    - (ii) Right turn to TWY J1 FM APN TWY;
    - (iii) Exit RWY 21 left via TWY P HJ only.
  - b. 5,700KG MTOW and BLW due to no turn fillets
    - (i) Exit RWY 06 left into TWY S;
    - (ii) Exit RWY 21 left into TWY N;
    - (iii) Exit RWY 24 right into TWY C;
4. **TWY/TAXILANE INFRINGEMENTS**
  - a. Taxilane W by pushback from Bay 601.
  - b. TWY W by pushback from Bay 701.
  - c. TWY H4 by pushback from Bay 604.
  - d. Terminal 3 APN TWY BTN Bay 911 and Bay 915 infringed when ACFT holding Northbound on TWY J1. Terminal 3 APN TWY BTN Bay 911 and Bay 915 reduced to Code C ACFT and BLW when Code C ACFT at RWY holding point on TWY J1, Terminal 3 APN TWY BTN Bay 911 and Bay 915 NOT AVBL when Code D and E ACFT at RWY holding point on TWY J1.
  - e. Simultaneous Code C or ABV ACFT OPS not AVBL due TWY strip convergence overlap BTN the FLW taxiways:
    - (i) TWY H3 BTN TWY B and TWY H3 HLDG PSN, EXC TWY H4 left turn onto TWY B.
    - (ii) Terminal 4 APN TWY BTN Bay 12 and Bay 13. ACFT OPR on TWY H3 may be instructed to hold at the HLDG PSN located on H3 abeam Bay 13 marked by broken yellow line, intermediate HLDG PSN LGT and yellow cones.

- f. A380 may use TWY A, TWY A9, TWY A11 and TWY D subject to AD OPR approval due to an unserviceability of TWY C. TWY A6, A7 and A9 must be vacant for A380 taxiing on TWY A.
  - g. ACFT to use MNM power when entering, exiting and operating on all aprons.
  - h. ACFT DEP from Terminal 3 Taxilane to push back and tow FDW to disconnect between Bay 22 and taxilane roadway.
  - i. Engine ground running on aprons only permitted by approval from AD OPR and to be conducted not above ground idle power setting.
  - j. RWY 21 Holding Point on TWY W eastern side, is located 210M FM RWY 21 centre line.
  - k. All aircraft must provide their parked position/gate number to ATC on airways clearance readback.
  - l. ACFT DEP RWY 21 that are instructed to taxi via TWY B and hold short of TWY W or via TWY W and hold short of TWY B should change to TWR FREQ close to, or at, intermediate holding PSN markings when ready for TKOF.
  - m. All OPS on Perth Airport APN areas must be in accordance with relevant ACFT PRKG plans. Plans to be obtained from AD OPR.
  - n. ACFT ENG overhanging TWY edges where no blast protection is provided are requested to be OPR at low PWR to prevent erosion and ENG damage.
  - o. CAUTION: Jet blast hazard may exist for light ACFT OPR on H3 from ACFT OPR on apron edge TWY.
    - (i) ACFT Code B and BLW must hold abeam Bay 703 when Code D ACFT and ABV push back into TWY B from Bay 12 due jet blast hazard.
  - p. Reversing of ACFT under own power is not permitted without prior approval of AD OPR.
5. Refer to *AIP DAP* for A380 Ground Movement Chart.

## FLIGHT PROCEDURES

### 1. ESTIMATED AIRBORNE TRAFFIC DELAYS

- 1.1. Estimated airborne traffic delays for ARR ACFT may be expected due to terminal area traffic density:
- a. MON and FRI
    - (i) 0100-0500 UTC: 10 MIN.
    - (ii) 0500-0900 UTC: 5 MIN.
    - (iii) 0900-1300 UTC: 10 MIN.
  - b. TUE, WED and THU
    - (i) 0100-0500 UTC: 20 MIN.
    - (ii) 0500-0900 UTC: 5 MIN.
    - (iii) 0900-1300 UTC: 20 MIN.

*Note: Actual holding times may differ from holding estimates. Historical data on actual holding is available from the NOMC.*

### 2. ATC TRAFFIC MANAGEMENT SPEED

When not on a SID or STAR (including vectoring) - ACFT ARR or DEP PH must not exceed 250KT IAS when BLW 10,000FT AMSL. Advise ATC if a higher speed is operationally required.

### 3. ARRIVAL PROCEDURES

By day, ATC may use 2,400M RWY separation between ACFT ARR to RWY 03/21. Both ACFT may occupy the RWY during application of the standard.

### 4. AIR TRAFFIC FLOW MANAGEMENT PROCEDURES

- a. A slot allocation system and a ground program (GDP) applies at Perth airport. Details including the allocation and use of Calculated Off Blocks Time (COBT), can be found in *AIP ENR 1.9*.
- b. The arrival GDP applies to all fixed wing, non-priority flights departing from all Australian domestic airports and arriving at Perth between 0030-1400 UTC MON-FRI. In addition, flights departing from Jandakot for a landing at Perth must contact Perth Centre on 135.25 prior to starting engines.
- c. The departures GDP applies to all fixed wing, non-priority flights departing Perth between 2130-0030 UTC MON-FRI. PH SMC will make a general broadcast on 121.7 and 122.2 advising early clearance is AVBL when demand is lower than capacity due to gate delays.

- d. During periods when start approvals are required due extensive DLA, ACFT will be assigned a 'start sequence number' at clearance issue. When issuing a start approval, the Ground Controller will quote that ACFT 'start sequence number' to assist other ACFT in determining their position in the start order. If assigned a start sequence number pilots must monitor ground 121.7 and 122.2 for this advice and start approval. Operators may request to swap start sequence numbers of own company ACFT by contacting Perth Tower via phone 08 9476 8625.
- 5. TRAINING FLIGHTS**
- a. IFR training flights inbound to Perth to conduct aerial work from the Northeast through East to Southeast shall plan via either VILIN - PH or VEMON - PH at or BLW 8,000FT.
- b. Notwithstanding peak period restrictions at 6e, AWK and training at Perth is permitted during the FLW times:
- (i) ACFT BLW 1,930KG MTOW - No restrictions.
  - (ii) ACFT ABV 1,930KG MTOW - Flying training is permitted  
MON-SAT 2300-1300 UTC, SUN 0400-1300 UTC.
- c. Low level circuits are only permitted to the East of RWY 21/03.
- d. Baulked RWY 24 APCH may be required to remain East of RWY 21.
- e. ACFT with MTOW in excess of 20,500KG:
- (i) RWY 24: TKOF not permitted;
  - (ii) RWY 24: baulked approaches permitted, subject to the RQMNTS to remain East of RWY 21;
  - (iii) RWY 06: approach and/or landing not permitted;
  - (iv) RWY 21: right hand circuits not permitted. FLW a baulked approach, a right turn may be permitted at or beyond 2NM S of the airport;
  - (v) RWY 03: left hand circuits not permitted.
- f. ACFT with MTOW in excess 41,000KG:
- (i) Operations are limited to the following times: MON-SAT 0030-1300 UTC, SUN 0400-1300 UTC.
  - (ii) Minimum circuit height of 1,000FT;
  - (iii) Circuits BLW 1,500FT to be kept to a minimum and varied in dimensions to reduce repetitive noise.
- 6. TRAINING, SURVEY AND AWK FLIGHTS**
- a. Before submitting a Flight Notification for training, survey and airwork flights WI CTA, pilots/operators are RQ to contact the appropriate ATS unit BTN 0700-1900 Local on the preceding day for pre-flight briefing and approval.
- b. Contact numbers are:  
Perth TCU - 08 9476 8620^; Fax 08 9476 8614;  
Email: perth.tcu@airservicesaustralia.com  
RAAF Pearce Approach: 08 9476 8622; Fax 08 9476 8614.
- c. Training, survey and AWK are at the discretion of ATC and TFC as workload permit.
- d. Punctuality with allocated time for training is critical and availability of multiple IAL limited.
- e. AWK and training will not normally be accepted for the following peak periods at PH: MON-FRI 0100-0500 and 0900-1300 UTC.
- f. Additional AWK restrictions may apply, refer to training flight restrictions.
- g. ACFT planning practice instrument approaches are to make bookings online: [www.wa.bookawk.com](http://www.wa.bookawk.com). If access to the booking page is not AVBL CTC Perth TCU.
- 7. Survey operations MON-FRI may be subject to delays and, where practicable, should be conducted outside the notified periods of traffic holding and/or on weekends.**
- 8. ATC CLEARANCES TO OPERATE IN CTA/R**
- a. DEP ACFT must request clearance on the following VHF FREQ:
- (i) ACFT DEP Perth Airport contact Perth Delivery on 118.55 for clearance.
  - (ii) ACFT DEP HLS/ALA within Perth CTR, or PEA AD when deactivated, or IFR/VFR by night DEP Jandakot directly into CTA/CTR, contact Perth Centre on 135.25 for clearance.
- b. Airborne VFR ACFT wishing to enter Perth controlled airspace within 36NM Perth, contact Perth Centre on 135.25 MHz.

- c. ACFT wishing to conduct airwork within Pearce Training Areas, see Pearce Aerodrome entry. Transit ACFT wishing to enter Pearce Restricted Areas directly from Class G airspace:
  - (i) check NOTAM for status;
  - (ii) if deactivated, contact appropriate civil ATC FREQ (See para a and b above) prior to civil CTA boundary;
  - (iii) if active, contact Pearce APP 130.2 MHz for entry into R153A-D, R155AB, R156, M171AB, M166, R163, M170AB, M182A-G and M161 at least 10NM prior to training area entry point to confirm flight details and obtain clearance.
- d. There may be delays for IFR arrivals at Jandakot due to higher priority traffic at Perth airport. See Jandakot entry.

## 9. LOW VISIBILITY OPERATIONS

- a. For CASA approved operators:

RWY 21 is capable of supporting localiser guided take-offs with an RVR not less than 75M.  
RWY 03 is capable of supporting take-offs with an RVR not less than 125M.  
RWY 06/24 is capable of supporting take-offs with an RV of not less than 350M.
- b. For CASA approved operators:

RWY 21 is capable of supporting CAT IIIb approaches (and is normally used for low VIS arrivals);  
No arrivals will be allowed when RVR is less than 75M at TDZ.
- c. For CASA approved operators:
  - (i) RWY 03 is capable of supporting SA CAT I approaches;
  - (ii) RWY 24 is capable of supporting CAT I approaches.
- d. No intersection departures permitted.
- e. Approved TWY exits in RVR conditions below 350M are TWY A9, C9, A11, C11 and TWY D.
- f. During RVR/RV conditions below 350M, the following TWY are not AVBL: A6, A7, C6, P, N and H3.
- g. TWY W BTN TWY C and RWY 06/24 AVBL in RV not less than 350M.
- h. Secondary PWR switchover time: 1 SEC during LVP 15 SEC OT.
- i. Refer to *AIP DAP* for Aerodrome Ground Movement Charts.

## 10. LOW VISIBILITY PROCEDURES

- a. Instrumented RVR is provided for RWY 03/21. In the event of failure of RVR, or non-availability of RWY 03/21, manual RWY visibility assessments will be provided.
- b. ATC uses Advanced Surface Movement Guidance Control System (ASMGCS) to monitor ACFT and vehicles on the manoeuvring area. In the event ASMGCS is unserviceable, ATC will restrict OPS on the manoeuvring area.
- c. In the event that Stop Bars are unserviceable, ATC will restrict OPS on the manoeuvring area.
- d. Preparations for activation of LVP commence when meteorological conditions prevent all or part of the manoeuvring area from being visually monitored by ATC.
- e. LVP must be fully implemented when cloud ceiling is 300FT or less, visibility for take-off is below 550M RV/RVR, visibility for approaches is below 550M RV/RVR RWY 03/21 or 800M RV RWY 06/24.
- f. Only one RWY will be nominated when LVP is in progress, normally RWY 21.
- g. When LVP are in force, ATC will limit vehicle access on the manoeuvring area to ARFF and airfield OPS. ACFT position reporting procedures may also be implemented.
- h. Flight Crew must notify ATC if a follow me service is RQ.
- i. LVP measures are progressively lifted when the Cloud Ceiling reaches 300FT and the VIS reaches 800M and is increasing.

**11. HELICOPTER OPERATIONS**

- a. There are no helipad facilities. HEL parking AVBL.
- b. ENG Ground running with rotors turning is not permitted WI 20M of other aircraft, motor vehicles or BLDGs.
- c. TAXIING: Pilots shall MNTN a continuous listening watch on Perth Ground (SMC), or, when instructed, Perth TWR FREQ. Where SFC taxiing is involved, existing TWY system is to be utilised to avoid pavement contamination by grass. Air taxiing is not permitted WI 20M of other ACFT, motor vehicles or BLDGs. This DIST may be increased when taxiing over unsealed SFC.
- d. **DEPARTURES/ARRIVALS:** TKOF or LDG from outside airport manoeuvring area will not be permitted without prior approval. The point of TKOF or LDG will be specified by ATC, however, pilots may REQ alternative LCA WI the manoeuvring area. Initial DEP or final approach instructions will be provided by Perth TWR. Whenever DEP or ARR into prevailing wind is RQ the pilot should REQ such ARR or DEP.

**12. VFR OPERATIONS IN PERTH CTR**

- a. VFR ACFT departing Perth, or transiting Perth CTA, to Jandakot can expect to vacate Perth CTA via Class G for Class D arrival. See Jandakot entry.
- b. VFR transits within the vicinity of Perth Airport are not normally permitted. Alternative clearances may be AVBL via Victor 65 or Victor 66
- c. When AVBL, scenic flights over Perth City can expect clearance via the VICTOR 65 route i.e. CTE-PCY-HKE.
- d. Flights ARR Perth for Overshoot
  - (i) AVBL as per Flight Procedures para 3 and 4 for Training and AWK flights;
  - (ii) ATC will process outbound leg to Observation City (OBC);
  - (iii) RWY24 Not AVBL for overshoot.

**NOISE ABATEMENT PROCEDURES**

Noise Abatement Procedures (NAP) apply. Refer AIP DAP.

**ADDITIONAL INFORMATION**

1. SEV TURB may be experienced BLW 3,000FT in the terminal area during summer months when easterly wind gradients prevail.
2. Low-level windshear may exist for arriving ACFT on RWY 06 when wind is from the N to NW at 37KT or greater.
3. Bird Hazard exists as follows:
  - a. Galah and corella present in large flocks DRG Spring.
  - b. Flocks of Ibis species periodically overflying airfield in large flocks DRG Winter and Spring.
  - c. Nankeen kestrels present in RWY strip areas year round peaking in the Spring and Summer.
  - d. Duck species present DRG winter and spring with peak ACT DRG winter and following extended periods of heavy rain.
  - e. Black cockatoos present January to February and March to early May with peak ACT DRG March. These species overflying the airfield east to west in the mornings and west to east in the afternoons.
4. Weather balloon launch APRX 2315 and 1115 UTC FM 1.5KM NE ARP. Launches may occur at other times.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3351, 3462.
2. Aerodrome Obstruction Chart Type A:
  - a. RWY 03/21 Version 1 (JAN 2024).
  - b. RWY 06/24 Version 1 (JAN 2024).AVBL FM website: <https://perthairport.sharepoint.com/sites/Operations>.
3. Also refer to AIP Departure and Approach Procedures.
4. Precision Approach Terrain Charts AVBL for RWY 03/21.

**PERTH/JANDAKOT****ELEV 99****AVFAX CODE 6002**

WA

320551S

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UTC +8

VAR 2 DEG W

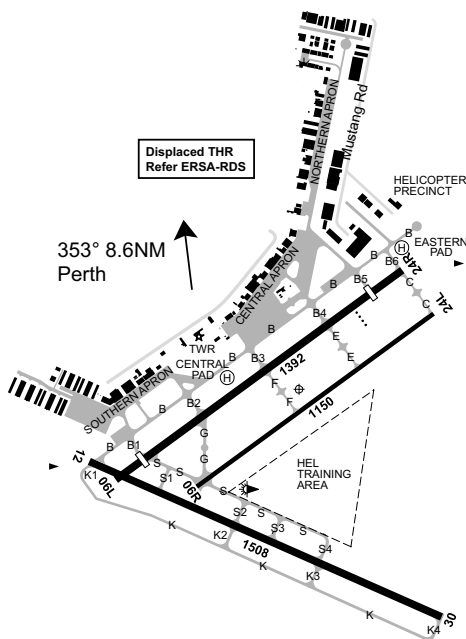
YPJT

CERT

AD OPR Jandakot Airport Holdings Pty Ltd (JAH), 16 Eagle Drive Jandakot, WA, 6164.

Email: jah@jandakotairport.com.au. PH 08 9417 0900. ARO 0417 827 557 (24HR).

Website: www.jandakotairport.com.au.

**REMARKS**

1. Visitors needing airside/landside access are to contact AD OPR. Use of AD is permitted in accordance with 'Jandakot Airport Conditions of Access and Use' document, AVBL from the Airport Management Centre or AD OPR website.
2. AD Charges: All ACFT - fees and charges as per Schedule of Charges published on AD OPR website. COR holder is responsible for all charges incurred.
3. AD not AVBL to ACFT ABV 5,700KG MTOW without PPR from AD OPR.
4. ACFT with wingspan greater than 15M requiring parking, needs PPR from AD OPR.
5. No lit itinerant parking AVBL.

**HANDLING SERVICES AND FACILITIES**

AIR BP: 2300-1100 UTC DLY. Call-out fees apply Christmas Day and AH. H24 AVGAS card bowser (BP Card). Phone 08 9414 1515 (diverts to mobile if not answered).

AH MOB 0455 543 186. VHF 129.9 CS "AIRBP ". AVGAS, JET A1, JET A1+FSII and Phillips Oils. AirBP Sterling and credit cards (V and MC).

VIVA Energy: Bel-Air Refuelling Services 2300-1000 UTC DLY, AH call-out fee will apply.

Phone 08 9310 9999. Mobile 0409 142 039, VHF 121.8, CS "Viva Energy". AVGAS, JET A1, JET Plus, Aviation Oils. VIVA Energy Fuel2Sky and credit cards (V and MC).

**General**

AD OPR does not provide ACFT marshalling services. All requests for ACFT marshalling should be directed to a Fixed Base Operator.

**AERODROME OBSTACLES**

1. Lit TWR 255FT AMSL BRG 279 DEG MAG 1.6NM FM ARP.
2. Unlit PWR pole 241FT AMSL BRG 288 DEG MAG, 1.46NM FM ARP.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT B, METAR/SPECI, AD WRNG
2. AWIS Phone 08 6216 2618 - Report faults to BoM.
3. AWIS FREQ 128.65, 281 AVBL outside TWR HR - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

|         |     |     |                                |        |        |
|---------|-----|-----|--------------------------------|--------|--------|
| 06L/24R | 056 | 46a | PCN 11 /F /A /1000 (145PSI) /T | WID 30 | RWS 90 |
| 06R/24L | 056 | 38a | PCN 7 /F /A /1250 (181PSI) /T  | WID 18 | RWS 90 |
| 12/30   | 116 | 49a | PCN 11 /F /A /1000 (145PSI) /T | WID 30 | RWS 90 |

**AERODROME AND APPROACH LIGHTING**

|             |         |              |                           |
|-------------|---------|--------------|---------------------------|
| RWY 06L/24R | MIRL    | PAL+AA 123.9 | SDBY PWR AVBL             |
| RWY 24R     | PAPI(1) | PAL+AA 123.9 | 3.0 DEG25FT SDBY PWR AVBL |
| RWY 12/30   | MIRL    | PAL+AA 123.9 | SDBY PWR AVBL             |

(1) Activated by PAL outside TWR HR. On request to ATC during TWR HR.

1. RWY edge light spacing: 06L/24R: 60M; 12/30: 60M.
2. PAL AVBL outside TWR HR.

**OTHER LIGHTING**

ABN FLG 6 W On TWR and PAL outside TWR HR.

1. SDBY PWR switchover time: 15 SEC. Automatic switchover.
2. TWY LGT: Blue edge on TWY B, B1, B2, B3, B4, B5, B6 and K, K1, K2, K3 and K4. Green centreline on APN.

**ATS AND AERODROME COMMUNICATION FACILITIES**

|      |                 |                                      |
|------|-----------------|--------------------------------------|
| FIA  | PERTH CENTRE    | 135.25 On Ground (Outside JT TWR HR) |
| ATIS | JANDAKOT ATIS   | (1) 128.65 281                       |
| SMC  | JANDAKOT GROUND | 124.3                                |
| TWR  | JANDAKOT TOWER  | 118.1 119.4                          |

(1) ATIS AVBL by phone 08 9476 8755 H24.

1. TWR HR:
  - a. JUN-AUG: MON-FRI 2300-1200 UTC. SAT-SUN 0000-1000 UTC.
  - b. SEP-MAY: MON-FRI 2300-1300 UTC. SAT-SUN 0000-1000 UTC.
 Phone: 08 9476 8833^ for urgent operational matters.  
 Email: jandakot.tower@airservicesaustralia.com for routine matters.
2. Jandakot TWR provides ATS within Class D airspace SFC to 1,500FT during TWR HR.
3. Outside TWR HR, airspace becomes Class G with SIS provided by Perth Centre.

**RADIO NAVIGATION AND LANDING AIDS**

|     |                 |     |           |            |                  |     |
|-----|-----------------|-----|-----------|------------|------------------|-----|
| NDB | JT              | 281 | 320609.7S | 1155312.2E | Range 30 (HN 30) | (1) |
| (1) | Pilot monitored |     |           |            |                  |     |

**LOCAL TRAFFIC REGULATIONS**

1. Start approval required for fixed wing aircraft conducting circuit training operations during tower hours.
  - a. Contact Jandakot Ground on 124.3 to obtain start approval.
  - b. Aircraft that have not taxied within 15 minutes of receiving start approval may lose priority.
2. Aircraft REQ clearance to DEP into Perth CTA/CTR - contact Perth Centre on 135.25 prior to starting engines.
3. Agricultural aircraft calibration test and training are not permitted.
4. Pilots planning survey operations require 24HR prior notification to Jandakot Tower. Survey flights below 7,000FT can expect to incur delays. Where practicable surveys are to be conducted outside notified periods of traffic holding at Perth and Jandakot.
5. Run-up bays not AVBL HN.

## FLIGHT PROCEDURES

### 1. GENERAL REQUIREMENTS

- a. All airborne aircraft should display landing light in and around the Jandakot CTR where practicable.
- b. Practice instrument approaches are not available.
- c. Simulated engine failure after take-off in single engine fixed wing aircraft must be conducted over the RWY and recovery initiated prior to the airside boundary. ATC approval required prior to each manoeuvre.
- d. If frequency congestion or failure does not allow aircraft arriving from Class C airspace to obtain frequency transfer instructions from PH ATC, aircraft must contact Jandakot TWR on 118.1 MHz at 3NM Jandakot.

### 2. CIRCUIT PROCEDURES

#### 2.1. Circuit altitude

- a. 1,000FT for fixed wing and rotary wing aircraft (unless specified otherwise).
- b. 800FT for rotary wing aircraft remaining north of RWY 06L/24R.

#### 2.2. Circuit Directions

- a. During tower hours

| RWY | HJ    | HN            |
|-----|-------|---------------|
| 06L | Left  | Right         |
| 06R | Right | Not Available |
| 12  | Left  | Left          |
| 24R | Right | Left          |
| 24L | Left  | Not Available |
| 30  | Left  | Left          |

- b. Outside tower hours: see OUTSIDE TWR HR below.

### 3. VFR PROCEDURES

#### 3.1. VFR departures HJ

- a. Departure altitude is 1,000FT (see FREM departure procedure below for exception).
- b. Departure directly into Class C airspace from the JT CTR is not available.
- c. Aircraft departing to the west and northwest:
  - (i) RWY 06L and 24R: track from the end of crosswind to Fiona Stanley Hospital then to FREM.
  - (ii) RWY 12: extend the downwind leg until clear of base and final traffic, then track via Fiona Stanley Hospital to FREM.
  - (iii) RWY 30: turn right from upwind and track via Fiona Stanley Hospital to FREM.
  - (iv) After tracking over Fiona Stanley Hospital, climb to reach 1,500FT as soon as practicable.

*Caution - inbound traffic to the S on the Powerhouse to Adventure World track.*

- d. Aircraft departing to the south:

- (i) RWY 06L, 24R and 30: depart circuit leg to track YGB, then TOML.
- (ii) RWY 12: depart the CTR by extending the right crosswind leg.
- (iii) As soon as practicable after leaving the Jandakot CTR aircraft should climb to an altitude above 1,500FT, remaining in Class G airspace.

- e. Aircraft departing to the east:

- (i) RWY 06R: track from upwind to SHOP, remaining clear of Perth CTR.
- (ii) RWY 12: track from upwind to SHOP.
- (iii) RWY 24L: track from the end of crosswind to SHOP, remaining clear of FDL.

*Caution – inbound aircraft are on FDL to Jandakot track at 1,500FT.*

- (iv) RWY 30: depart via a right circuit. From the end of downwind track to SHOP, remaining clear of Perth CTR and final RWY 30.
- (v) As soon as practicable after leaving the Jandakot CTR aircraft should climb to an altitude above 1,500FT, remaining in Class G airspace.



**3.2. VFR arrivals HJ**

- a. CTR entry altitude is 1,500FT
- b. Arriving VFR aircraft should track via and establish two-way communication with Jandakot Tower at BOAT, POWR, OAKF or RUSS.
- c. After establishing two-way communication at BOAT or POWR:
  - (i) track via and report at ADWD, then
  - (ii) join the circuit as directed by Jandakot Tower.
- d. After establishing two-way communication at OAKF or RUSS,
  - (i) track via and report at FDL, then
  - (ii) if the duty RWY is 06L or 24R, overfly the aerodrome between the control tower and the upwind end of the duty RWY, then
  - (iii) report overhead the aerodrome if no instruction has been received from Jandakot Tower, then
  - (iv) join the circuit as directed by Jandakot Tower.
- e. For aircraft arriving from D104 when RWY 06/24 is in use the preferred route is via BOAT and ADWD.
- f. For aircraft requesting circuit operations on RWY 06R/24L the preferred route is OAKF to FDL. Expect a circuit joining instruction when reporting at FDL.

**3.3. VFR departures HN**

- a. Departure altitude 1,500FT unless higher required for LSALT.
- b. Aircraft may plan to track via preferred route.
- c. Aircraft requiring clearance in Class C airspace due to LSALT requirements must obtain airways clearance while on the ground at Jandakot by contacting Perth Centre on 135.25 MHz.

**3.4. VFR arrivals HN**

- a. CTR entry altitude 1,500FT unless higher required for LSALT.
- b. Aircraft arriving from Class G airspace during tower hours must contact Jandakot Tower by 6NM for clearance.
- c. Aircraft requiring clearance in Class C airspace due to LSALT requirements must obtain airways clearance by contacting Perth Centre on 135.25 MHz.

**3.5. VFR communication failure****3.5.1. In the event of a communication failure:**

- a. Carry out Communication Failure procedures in EMERG.
- b. Continue to transmit intentions.
- c. Track via an appropriate published VFR arrival route.
- d. Enter the CTR at 1,500FT.
- e. Proceed to overhead the aerodrome at 1,500FT.
- f. Ascertain RWY in use, descend to join the appropriate circuit at 1,000FT (remain clear of the opposite circuit).
- g. When parallel RWY are in use the appropriate RWY is 06L/24R.
- h. Proceed with normal circuit and landing, maintaining separation from other aircraft.
- i. Watch for light signals from the tower.

**4. IFR PROCEDURES**

- a. When not on a SID or STAR (including vectoring), aircraft arriving or departing JT via Class C airspace must not exceed 250KT IAS when below 10,000FT AMSL. Advise ATC if a higher speed is operationally required.

*Note: Pilots must also comply with Class D airspace speed limits. Cancellation of ATC traffic management speeds does not cancel Class D airspace speed limits.*

- b. Pilots electing to commence or terminate an IFR flight under the VFR should communicate such intention at the earliest possible time to ensure their arrival or departure is processed efficiently.
- c. IFR aircraft planning at or above 10,000FT may be issued STAR clearances.

**4.1. Airborne traffic delays**

- a. Estimated airborne traffic delays for arriving IFR aircraft due to terminal area traffic density:
  - (i) MON-FRI 0100-0500 UTC: 10 MIN.
  - (ii) MON-FRI 0500-0900 UTC: 5 MIN.
  - (iii) MON-FRI 0900-1300 UTC: 10 MIN.

*Note: Actual holding times may differ from holding estimates. Historical data on actual holding is available from the National Operations Management Centre (phone 1800 020 626\*).*

**5. HELICOPTER OPERATIONS**

- a. Unless otherwise specified, helicopters must comply with fixed wing procedures.
- b. Pilots should keep hover time to a minimum whilst operating on aprons.
- c. Departing helicopters must advise departure details to Jandakot Ground (124.3 MHz).
- d. Pilots must nominate the HLS they wish to use on initial contact with ATC.
- e. Unless otherwise specified, circuit legs to or from a HLS must be parallel to the fixed wing circuit.
- f. Taxi clearance required to or from the Eastern and Central Pad.
- g. For SHOP departure, RWY 06R/24L or the helicopter training area are the preferred departure locations when RWY 06 or 24 is in use.
- h. Practice auto-rotative landings are only permitted in marked maintained area within the helicopter training area.

**5.1. Helicopter precinct operations**

- a. Take-off or landing directly to or from the helicopter precinct not permitted unless operationally required.
- b. Pilots should use the Eastern Pad when arriving or departing from the helicopter precinct.

**5.2. Northern apron operations**

- a. Departures:
  - (i) If RWY 24R is the duty RWY, track via the apron or Mustang Road then pass between the control tower and taxiway B, or as cleared by ATC.
  - (ii) If RWY 12 or 30 is the duty RWY, track via the apron until the northern or southern end of the apron and clear of buildings, then track parallel to the duty RWY. Avoid tracking over the helicopter precinct.
- b. Arrivals:
  - (i) If RWY 06L is the duty RWY, track between the control tower and taxiway B then via the apron or Mustang Road to the landing site, or as cleared by ATC.
  - (ii) If RWY 12 or 30 is the duty RWY, track parallel to the duty RWY remaining clear of buildings and the helicopter precinct, then via the apron to the landing site.

**5.3. Helicopter training area**

- a. The helicopter training area is located on the grassed area bound by (but not including) the 06R/24L RWS, taxiway S (east of the 06R/24L RWS) and the airport perimeter road (extended to intersect the 06R/24L RWS near taxiway E).
- b. Helicopters must remain 50M or more from the anemometer and windsock.
- c. Unless cleared differently by ATC, helicopters operating in the helicopter training area must:
  - (i) remain 100M or more from the duty RWY unless conducting operations in ground effect only.
  - (ii) remain at or below 200FT AGL unless conducting a circuit.
  - (iii) remain clear of taxiway S.
  - (iv) hold short of all RWY.
- d. Slope landing training may be conducted in the grassed drain adjacent to taxiway S between S2 and S4. Advise ATC when conducting slope training.
- e. When RWY 06R/24L is in use, and subject to ATC clearance, training may be conducted over RWY 30 out to perimeter road north of RWY 30. Helicopters must remain north of taxiway K and at or below 200FT AGL.
- f. Unnotified personnel and vehicles may be operating on perimeter road.
- g. If RWY 06 or 24 is in use, contact Jandakot Tower (119.4 MHz) to obtain clearance to cross RWY 06R/24L. Contact Jandakot Ground (124.3 MHz) other times.

- h. ATC will only pass traffic information about vehicles and other helicopters in the helicopter training area upon first entering the helicopter training area. Pilots are responsible for avoiding the specified traffic during the period of their operations in the helicopter training area.
- i. With prior permission from the aerodrome operator and subject to ATC clearance, training may be conducted within the aerodrome boundary in treed areas adjacent to the helicopter training area.
- j. Operations outside the aerodrome boundary are not permitted below 500FT AGL except when taking off or landing.
- k. Sprinklers operate in the helicopter training area around the aiming point HN.
- l. Circuits may be conducted from the training area subject to the following conditions:
  - (i) Circuits parallel to RWY 24L or RWY 12 are left circuits.
  - (ii) Circuits parallel to RWY 06R or RWY 30 are right circuits.
  - (iii) Circuit altitude 800FT AMSL.
  - (iv) Circuits to be flown inside the corresponding fixed wing circuit. The downwind leg is recommended to be no wider than the aerodrome boundary.
  - (v) A continuous lookout for helicopter and fixed wing traffic must be maintained.
  - (vi) Pilots must report BECOMING AIRBORNE to ATC prior to commencing take-off. ATC will not control take-offs or landings, nor provide sequencing instructions.
  - (vii) Circuits beginning or terminating outside the helicopter training area are subject to ATC approval will be controlled. A take-off or landing clearance in the helicopter training area will be required.
- 6. **LOW VISIBILITY OPERATIONS**
  - a. Low Visibility Operations not available.
- 7. **OUTSIDE TWR HR**
  - a. RWY 06R/24L not available.
  - b. Listening watch must be maintained on CTAF whilst taxiing.
  - c. Class C airspace above 1,500FT remains active.
  - d. During HJ standard Class D departure and arrival tracking points should be used.
  - e. Aircraft planning to enter Perth CTR/CTA must obtain SSR code and ATC frequency from Perth Centre (135.25 MHz) on the ground.
  - f. Helicopters must land or take-off from a RWY or HLS.
- 7.1. **Circuit procedures outside TWR HR**
  - a. Aircraft conducting circuit training outside TWR HR should broadcast intentions on downwind.
  - b. Circuit directions:
    - (i) RWY 06L – right hand circuit.
    - (ii) RWY 12, 24R and 30 – left hand circuit.
  - c. Recommended fixed wing circuit altitude is 1,000FT.
  - d. Maximum of 5 aircraft may conduct circuit training.

**CTAF - AFRU 118.1**

Outside TWR HR.

**NOISE ABATEMENT PROCEDURES**

- 1. Preferred runways during tower hours:
  - a. RWY 06R/24L is preferred for circuit training and departures via SHOP.
  - b. RWY 06L/24R is preferred for arrivals and other departures.
  - c. ATC will consider nominating an alternative RWY when the crosswind exceeds 12KT HJ, 10KT HN or when there is tailwind.
- 2. Circuit training operations are only permitted:
  - a. MON-FRI 2300-1430 UTC (0700-2230 Local).
  - b. SAT-SUN 0000-1000 UTC (0800-1800 Local).
- 3. Fly Neighbourly flight procedures:
  - a. Repetitive formation circuits not permitted.
  - b. Repetitive low-level circuits not permitted on RWY 06L/24R.
  - c. Circuit size should be as compact as practicable.
  - d. Heavy/twin engine ACFT to conduct full length TKOF where possible.
  - e. Adopt rate of climb/descent which minimises noise over residential areas.

- f. Operate not BLW 1,000FT AGL over residential areas outside circuit area.
- g. Reduce engine RPM as soon as possible.
- h. Perform aerobatics at least 600M laterally off the coastline or away FM residential areas when over land.

ADDITIONAL INFORMATION

- 1. Wake Turbulence Hazard
  - a. Wake turbulence may be encountered in the Jandakot control zone (mainly in the northeast quadrant), due to aircraft over flying in Class C airspace. Delays may occur due super wake turbulence category aircraft operating above or near the Jandakot control zone.
- 2. Bird hazard exists as follows:
  - a. Cockatoo and corella flocks overfly AD DRG spring.
  - b. Crows and magpies in grassed areas across AD, most prevalent DRG winter and spring.
  - c. Swallow flocks across AD all year.
  - d. Ibis flocks overfly AD DRG winter and spring.
  - e. Birds of prey (e.g. eagles, kites, kestrels) may hover at altitude.
  - f. NOTAMS will be issued for other short term/seasonal hazards.

CHARTS RELATED TO THE AERODROME

- 1. WAC 3462.
- 2. Also refer to AIP Departure and Approach Procedures.

11

35

SA

330018S

1385054E

AD OPR District Council of Peterborough, PO Box 121 Peterborough, SA, 5422.

PH 08 8651 3566. ARO 0458 513 566 or 0429 100 626.

PASSENGER FACILITIES

PT/WC

ELEV 1838

FULL NOTAM SERVICE NOT AVBL

UTC +9:30

VAR 8 DEG E

YPTB

UNCR

PHYSICAL CHARACTERISTICS

17/35

49a

Sealed.

WID 18

RWS 90

AERODROME AND APPROACH LIGHTING

RWY 17/35

LIRL

PAL 120.6

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

MELBOURNE CENTRE

123.9

CTAF 126.7

CHARTS RELATED TO THE AERODROME

WAC 3458.

80

1142

260° 2NM

Peterborough

VIC

383624S

1425422E

AD OPR Glenample Air Pty Ltd, Glenample, Princetown, VIC, 3269.

Email: rich@12apostleshelicopters.com.au. PH 03 5598 8283.

ARO 0404 007 234.

ELEV 111

UTC +10

VAR 11 DEG E

YPBH

CERT

PETERBOROUGH/GREAT OCEAN ROAD

AVFAX CODE 3076

REMARKS

- 1. PPR. PH AD OPR.
- 2. Landing Charges: All ACFT.
- 3. AD AVBL HJ only.

HANDLING SERVICES AND FACILITIES

AVGAS and JET A1 AVBL. PN required, PH AD OPR. Call-out fee applies.

**AERODROME OBSTACLES**

## Trees:

- a. 75FT AMSL BRG 265 MAG 607M FM ARP infringes TNS SFC by 2FT.
- b. 74FT AMSL BRG 264 MAG 601M FM ARP infringes TNS SFC by 4FT.
- c. 72FT AMSL BRG 261 MAG 780M FM ARP infringes TNS SFC by 12FT.
- d. 67FT AMSL BRG 264 MAG 653M FM ARP infringes TNS SFC by 3FT.
- e. 64FT AMSL BRG 261 MAG 784M FM ARP infringes TNS SFC by 8FT.

**PHYSICAL CHARACTERISTICS**

08/26 083 37a PCN 8 /F /C /800 (116PSI) /T

WID 30 RWS 90

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE

125.8

**CTAF 127.1****ADDITIONAL INFORMATION**

1. ERSA FN 8 - Peterborough/Port Campbell National Park.
2. Scenic flights to operate from YPBH and two HEL east of Port Campbell, YGHP and YPHP.
3. Parachuting activity within 2NM of AD up to FL150.

**CHARTS RELATED TO THE AERODROME**

WAC 3469.

**PETRO STATION****ELEV 443****FULL NOTAM SERVICE NOT AVBL**

NSW

335000S

1423906E

UTC +10

VAR 9 DEG E

YPET

UNCR

AD OPR goFARM Australia Pty Ltd, PO Box 4190, Richmond East, VIC, 3121.

Email: ksemmens@gofarmaustralia.com.au. PH 03 9046 1998.

Website: www.gofarmaustralia.com.au.

**REMARKS**

1. PPR. CTC AD OPR.
2. Private dry weather strip.

**PHYSICAL CHARACTERISTICS**

17/35 43c Unsealed graded red loam. RWY LEN 1,300M.WID 30

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE

122.1

**CTAF 126.7****CHARTS RELATED TO THE AERODROME**

WAC 3458.

**PHILLIP ISLAND HELIPORT****ELEV 43****FULL NOTAM SERVICE NOT AVBL**

VIC

383112S

1451936E

UTC +10

VAR 12 DEG E

YPID

UNCR

AD OPR Cowes Helicopter Services Pty Ltd, 1 Veterans Drive Newhaven, VIC, 3925.

Email: info@PIH.com.au. PH 03 5956 7316 (AH CTC via 'Phillip Island Helicopters' Facebook page).

**REMARKS**

1. Heliport OPS: Phillip Island Helicopters PH 03 5956 7316 for info or [www.phillipislandhelicopters.com.au](http://www.phillipislandhelicopters.com.au).
2. PPR.
3. HEL LDG fees apply.
4. All RWY closed to fixed wing ACFT.

**HANDLING SERVICES AND FACILITIES**

AVGAS AVBL with prior arrangement with HLS OPR.

**AERODROME OBSTACLES**

- 1. Lit TWR, 178FT AGL BRG 245 MAG 260M FM HLS.
- 2. Lit TWR, 115FT AGL BRG 100 MAG 40M FM HLS.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 123.35 On Ground

**CTAF** 119.1

**NOISE ABATEMENT PROCEDURES**

Avoid over flying houses North of the heliport.

**ADDITIONAL INFORMATION**

A Fly Neighbourly protection area has been established around Cape Woolamai, Observation Point and Summerland Peninsula. Refer to ERSa GEN Special Procedures FN 12 for detailed information.

**CHARTS RELATED TO THE AERODROME**

WAC 3469, 3470.

**PINKENBA**

**ELEV 13**

**FULL NOTAM SERVICE NOT AVBL**

QLD UTC +10 YAAP  
272608S 1530644E VAR 11 DEG E UNCR

AD OPR Airbus Helicopters Australia Pacific, 701 MacArthur Ave, Central Pinkenba, QLD, 4008.  
Email: hsemanager.aap@airbus.com. PH 0438 367 990. Website: www.airbusgroupap.com.au.

**REMARKS**

- 1. Private property, PPR unless in the case of an EMERG.
- 2. HJ OPS only.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 125.7  
ACD BRISBANE DELIVERY 118.85  
APP BRISBANE APPROACH 124.7 125.6  
ATIS BRISBANE ATIS 113.2 125.5  
TWR BRISBANE TOWER 118.0 120.5

**LOCAL TRAFFIC REGULATIONS**

Overnight HEL parking AVBL on the grassed area with prior permission.

**FLIGHT PROCEDURES**

- 1. ARR ACFT FM the SE, 327DEG MAG or as directed by ATC.
- 2. DEP ACFT to the SE 147DEG MAG or as directed by ATC based on onward flight route.
- 3. CTC Brisbane TWR on the ground prior to DEP on 07 3866 3694 for status and/or CLR.

**NOISE ABATEMENT PROCEDURES**

APCH and DEP FM and to the SE over water to avoid local nearby properties, or as advised by Brisbane TWR.

**ADDITIONAL INFORMATION**

- 1. No H pad marking or concrete pad is present.
- 2. CAUTION: HLS is within 0.5NM of the Helitech and Holt St HLS and within 2NM of YBBN CTR airspace.
- 3. Windsock located on corner of concrete garage abeam HLS.
- 4. Bird hazard exists.

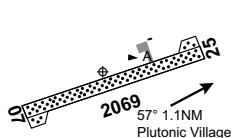
**CHARTS RELATED TO THE AERODROME**

WAC 3340.







**PLUTONIC****ELEV 1896****AVFAX CODE 6613**

WA

251900S

1192524E

UTC +8

VAR 1 DEG E

YPLU

CERT

AD OPR Billabong Gold Pty Ltd, Level 1, 30 Richardson Street, West

Perth, WA, 6005. Email: plutonicadmin@billabonggold.com.

PH 08 9981 0479: AD MGR 0400 134 718. ARO 0419 367 691.

Fax 08 9981 0101.

**REMARKS**

Restricted OPS: PPR from AD OPR.

**AERODROME OBSTACLES**

1. Lit mast 2,070FT AMSL BRG 74.9 MAG 1.4NM FM ARP. Infringes inner HZS by 45FT.
2. Unlit TWR 2,058FT AMSL BRG 108 MAG 0.86NM FM ARP. Infringes inner HZS by 33FT.
3. Terrain 2,047FT AMSL PSN BTN BRG 104-121 MAG 0.84-1.94NM FM ARP. Infringes inner HZS by 23FT.

**PHYSICAL CHARACTERISTICS**

07/25 065 68c PCN 18 /F /A /979 (142PSI) /T Unsealed WID 30 RWS 90

The stated PCN is limited to a B462 all-up mass limitation of 38,600KG.

**AERODROME AND APPROACH LIGHTING**

RWY 07/25 PTBL(1)

BY PRIOR ARRANGEMENT

(1) 90MIN PN required.

AD LGT not AVBL EXC for EMERG OPS.

**OTHER LIGHTING**

SDBY PWR AVBL with 90MIN PN for windsock and APN.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE

122.6 5,000FT

**LOCAL TRAFFIC REGULATIONS**

1. ACFT to use PRKG bay closest to terminal first or as designated by the marshaller.
2. To avoid damage FM heavy braking, ACFT must use entire RWY and back track to TWY.
3. APN AVBL HN for medical evacuation only.

**CTAF - AFRU 126.7****ADDITIONAL INFORMATION**

RPA operations occur in the vicinity of the aerodrome and mine site. RPA operators monitor CTAF during operations. For further information, contact Chief RPA Pilot on 0452 227 204.

**CHARTS RELATED TO THE AERODROME**

WAC 3346.

**POINT COOK****ELEV 14****AVFAX CODE 3006**

VIC

UTC +10

YMPC

375556S

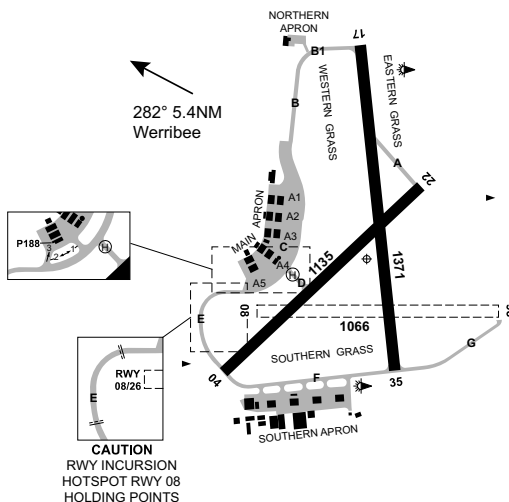
1444512E

VAR 12 DEG E

MIL

AD OPR RAAF Air Base Operations Centre, RAAF Base Point Cook Aerodrome, VIC, 3030.

Email: pck.aboc@defence.gov.au. PH 03 7301 5531.

**REMARKS**

1. CIV ACFT landings not permitted without prior approval FM aerodrome commanding officer.
2. Air Base Operations Centre is manned 0700-1600 Local MON-THU and 0700-1500 Local FRI. AH CTC AD OPR.
3. All Point Cook based and itinerant civil ACFT: CTC AD OPR prior to operating at Point Cook.
4. AD Charges: All civilian ACFT as applicable.

**APRONS AND TAXIWAYS**

1. ALL TWYS provide CLR for ACFT with wingspan up to and including 40.41M. The 26M PRKG CLR line is permanently active, unless advised by NOTAM.
2. Pilots to exercise caution due to close proximity of parked aircraft, and on APN areas at night due to low levels of APN lighting.
3. APN areas A4 and A5: PCN 42 /R /D /1750 (254PSI) /T C130J.
4. TWY edge drop off exceeds 50MM BTN:
  - a. TWY B and western grass
  - b. TWY D western edge and grass SFC; and
  - c. TWY F southern edge.
5. ACFT ABV 5,700KG are to avoid 180DEG turns on all sealed RWY. ACFT shall use TWY where possible.

**AERODROME OBSTACLES**

1. Lit towers (sporting field light towers) 99FT AGL BRG 348 DEG MAG 2,980M FM SOT RWY 35.
2. Vehicular traffic may infringe OLS for RWY 04, RWY 35 and RWY 26 due to proximity of perimeter road. Perimeter road crosses inside RWY 17 flight strip. All vehicular traffic shall give way to ACFT.
3. Illuminated wind indicators:
  - a. 26FT AGL, BRG 238 DEG MAG FM THR RWY 35. Infringes TNS by 17FT.
  - b. 25FT AGL, BRG 106 DEG MAG FM THR RWY 17. Infringes TNS by 15FT.

## METEOROLOGICAL INFORMATION PROVIDED

1. AWIS Phone 03 8470 3226 - Report faults to BoM.
2. AWIS FREQ 122.675 - Report faults to BoM.

## PHYSICAL CHARACTERISTICS

|       |     |     |                                |        |         |
|-------|-----|-----|--------------------------------|--------|---------|
| 04/22 | 036 | 37a | PCN 33 /R /D /1000 (145PSI) /T | WID 45 | RWS 150 |
| 08/26 | 079 | 35c | Unrated. Grass. Black loam     | WID 45 | RWS 150 |
| 17/35 | 164 | 45a | PCN 33 /R /D /1000 (145PSI) /T | WID 45 | RWS 150 |

Grass areas AVBL WI RWS and Western Grass.

## AERODROME AND APPROACH LIGHTING

RWY 17/35 LIRL AFRU+PAL 126.2

RWY edge light spacing: 17/35: Non STD 85.6M.

## ATS AND AERODROME COMMUNICATION FACILITIES

FIA MELBOURNE CENTRE 135.7 On Ground

## LOCAL TRAFFIC REGULATIONS

1. Authorised movement areas are as follows:
  - a. Western grass OPR area, bounded by RWS 17/35 and RWS 04/22 and TWY B, C and D.  
**Caution:** ACFT wingspan greater than 23M on TWY B, C or D will infringe Western Grass OPR area. ACFT taxiing on TWY B, C or D and RWY may conflict with ACFT LDG and TKOF Western Grass OPR area. All pilots exercise caution when taxiing.  
**Caution:** AAFC EFTS APN and TWY connecting to TWY B is for use by AAFC ACFT only. Vigilance RQ due to narrow TWY (7M wide).
  - b. RWY 17/35, 04/22 and 08/26 which includes the grass area WI the RWS.
  - c. Other sealed movement areas.
2. RWY incursion hotspots grass RWY 08/26 and TWY E. HLDG point markings INSTL on TWY E for RWY 08/26. ACFT are to hold for ACFT OPR on RWY 08/26 and BCST crossing undershoot of RWY 08. HLDG points RWY 08/26 are not to be confused with HLDG point for RWY 04.

## FLIGHT PROCEDURES

1. Special CCTS and operational PROC apply due to intensive Point Cook based flying training and dissimilar ACFT types. All pilots refer to *SPECIAL PROCEDURES* section.
2. All ACFT shall illuminate all AVBL external lighting when established within 3NM Point Cook ARP.
3. **Caution:** CTA LL 2500 to N.
  - a. R330A not active: Transiting ACFT should BCST intentions and overfly Point Cook AD recommended 2,500FT AMSL when within 3NM of ARP, or remain outside 3NM - WX permitting.
  - b. R330A active: Transiting ACFT overflying Point Cook AD require a clearance FM ML APP to transit at or above 2,500FT AMSL.
4. Join via straight-in approach or BASE not recommended when CCTS OPR.
5. Right hand CCTS RQ for CIV ACFT OPR RWY 04, 08 and 35.
6. Circuit height 1,000FT AMSL for ALL ACFT. Pilot OPR not at 1,000FT AMSL (e.g. low LVL CCTS, practice forced landing, glide) shall broadcast intentions and give way to TFC conforming to circuit height.
7. MIL high performance ACFT can enter the circuit at any time for OPS WI D383.
8. The minimum radio broadcasts are: Taxiing, Departure, Inbound, Joining and BASE:
9. BASE broadcast is to include a nominated ACFT LDG sequence number, determined by PSN behind preceding airborne ACFT. (e.g. 'ABC Cessna 172, BASE 17 touch and go, number 2, Point Cook'.)
10. **CIRCUIT TRAINING**
  - a. Circuit training permitted BTN the FLW HR:
    - (i) MON-SAT 0730-2230 Local;
    - (ii) SUN 0730 Local - Last Light.
  - b. Crosswind CCTS:
    - (i) All circuit TFC should operate to the same RWY if suitable. Pilots OPR to crosswind RWY shall give way to ACFT RQ most into wind RWY.
    - (ii) All circuit TFC shall OPR to the same RWY when contra CCTS OPR due to conflicting flight tracks if OPR to crossing RWY. Refer to *SPECIAL PROCEDURES*.

11. Pilots conducting a practice RNP RWY 35 and not intending to land shall fly the APCH descend to not BLW 1,610FT to the MAPT then conduct the published missed APCH.
12. Pilots practising simulated engine failure RWY 35 are to discontinue the manoeuvre before reaching the northern AD BDRY and are to be established in the climb no later than the BDRY.
13. **SPECIAL PROCEDURES - ALL ACFT**
- 13.1. R330AB for conduct of flying displays by MIL and Warbird ACFT. OPS include AVM and low LVL formation flights. Display ACFT may RQ use of RWY other than the into wind RWY. ACFT not involved should remain clear of the AD manoeuvring area during a display.
- 13.2. **Special circuit procedures**
  - a. Contra CCTS operate HJ. There is no dead side (non-active side) at Point Cook when contra CCTS may OPR.
  - b. Warbirds will and MIL ACFT may conduct contra CCTS to the RWY or nominated grass area. FLW PROC apply to all ACFT when contra CCTS OPR:
    - (i) Pilot initiating go-around must remain to their respective active side of RWY CL.
    - (ii) Pilots OPR contra CCTS direction must clearly state intentions.
  - c. **Western Grass OPR area**
    - (i) Warbirds and MIL ACFT may OPR to the Western Grass OPR area simultaneously with ACFT using RWY 17/35 but will not conduct simultaneous LDG or TKOF with ACFT OPR RWY 17/35.
    - (ii) Grass RWY 17R/35L should not be used by CIV ACFT when ACFT OPR to the Western Grass OPR area.
    - (iii) Pilots vacating RWY 17/35 must give way to ACFT OPR on Western Grass OPR area and vacate via sealed RWY and TWY.
14. **VISUAL ARRIVAL**
- 14.1. There is no dead side (non-active side) at Point Cook HJ during contra CCTS OPR. Pilots of arriving ACFT must confirm status of contra CCTS OPR. Proceed when contra CCTS may be OPR:
  - a. **Altitude.** CIV ACFT OPR not BLW 1,500FT AMSL within 3NM when on the contra side of the RWY in use.
  - b. **Upwind.** Join the circuit area via published VFR approach points then overhead the AD via UPWIND leg at 1,500FT AMSL until ID circuit TFC. Descend to circuit height on the respective active side of RWY CL.
  - c. **Downwind.** If positioned on the respective active side of the circuit, pilots may join at circuit height via DOWNWIND remaining clear of established circuits TFC.
  - d. **Initial and pitch.** Warbird and MIL ACFT may rejoin via initial and pitch to contra CCTS direction provided circuit TFC has been identified and is clear. Initial point is 1NM downwind from LDG THR at 1,500FT AMSL. Pilots shall descend on the respective active side of RWY CL to circuit height prior to pitch. Pilot must not use MIL terminology. Radio calls must state position, altitude, intentions and circuit altitude.
15. **VISUAL DEPARTURE**
- 15.1. Depart turning in the direction of the respective active side of CCTS. If departure requires track via overhead Point Cook, recommended not BLW 2,000FT AMSL. If unable to depart on respective active side of circuit or via overhead procedure, clearly broadcast intentions and give way to arriving ACFT and circuit TFC.

## **CTAF - AFRU 126.2**

### **NOISE ABATEMENT PROCEDURES**

Werribee Open Range Zoo (APRX BRG 286 DEG true, 6.2NM FM ARP) is a noise sensitive area. Pilots should avoid overflight of this area where practicable.

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**ADDITIONAL INFORMATION**

- Bird and animal (livestock) hazard exists.
- Small arms firing range APRX BRG 217 DEG MAG 540M FM THR RWY 04. Periods of range operation are notified by NOTAM. When in use:
  - Marked by red flags and flashing red light on firing range butts.
  - Range hazard area is SFC to 500FT AGL bounded by a semicircle to S, radius of 150M centred on the firing range butts.
  - ACFT to remain clear of the range hazard area.
  - RWY 04 closed for approach and landing.
- Carriage and use of ADS-B equipment recommended for ACFT operating in D383AB.
- ACFT conduct aerobatic OPS HJ WI D383B. ACFT monitor CTAF 126.2.
- Caution: High velocity exhaust plume located at 375029S 1444718E up to MAX height 2,900FT AMSL.

**CHARTS RELATED TO THE AERODROME**

- WAC 3469, 3470.
- Also refer to AIP Departure and Approach Procedures.

**POONCARIE****ELEV 154****AVFAX CODE 2223**

NSW

332223S

1423506E

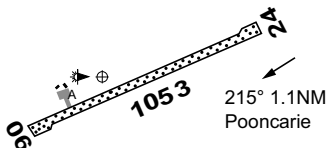
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VAR 9 DEG E

YPCE

CERT

AD OPR Shire of Wentworth, PO Box 81, Wentworth, NSW, 2648. PH 03 5027 5027.

ARO 0429 660 096 H24. Website: [www.wentworth.nsw.gov.au](http://www.wentworth.nsw.gov.au).**REMARKS**

- AD charges apply.
- Access AVBL in accordance with Council AD conditions of access and use. Refer to website.

**PASSENGER FACILITIES**

PT/WC.

**AERODROME OBSTACLES**

Lit masts:

- 371FT AMSL BRG 212 DEG MAG 1,887M FM ARP. Infringes inner HZS by 70FT.
- 412FT AMSL BRG 208 DEG MAG 1,716M FM ARP. Infringes inner HZS by 112FT.

**PHYSICAL CHARACTERISTICS**

06/24 054 35c 5700/580 (84PSI) Gravel

WID 18 RWS 90

**AERODROME AND APPROACH LIGHTING**

RWY 06/24 LIRL PAL+AA 120.6

SDBY PWR AVBL

RWY 06/24 edge light spacing: 60M.

**OTHER LIGHTING**

- TWY LGT: Blue edge.
- SDBY PWR switchover time: 40SEC.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE

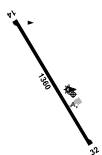
122.1 2000FT

**LOCAL TRAFFIC REGULATIONS**

- RWS not intended for take-off and landing.
- Carriage and use of radio is required by the aerodrome operator.

**CTAF 126.7**

WAC 3470.

**PORMPURAAW****ELEV 11****AVFAX CODE 4525**

QLD

145351S

1413639E

UTC +10

VAR 5 DEG E

YPMP

CERT

AD OPR Pormpuraaw Aboriginal Shire Council, Post Office, Edward River, QLD,  
4871. Email: [airlineagency@pormpuraaw.qld.gov.au](mailto:airlineagency@pormpuraaw.qld.gov.au). PH 0458 714 019:  
0458 714 014 (AH on call). Council PH 07 4060 4603.

**REMARKS**

1. AD Charges: Landing, handling and parking fees apply to all ACFT.
2. PPR FM AD OPR for all AH flights. AH fees apply.
3. Aerodrome operating hours 0730 - 1630 Local MON - FRI. For AH service CTC AD OPR with 60MIN PN.
4. Alcohol is restricted in Pormpuraaw Shire. Heavy penalties apply. Special provisions apply for alcohol being transported on consignment, and restrictions may vary from time to time. Further information on alcohol restrictions is available by calling 13 QGOV (13 74 68) or at: <https://www.datsip.qld.gov.au/programs-initiatives/community-alcohol-limits>

**HANDLING SERVICES AND FACILITIES**

Nil fuel AVBL.

**PASSENGER FACILITIES**

WC/LG (air conditioned) and outside seating also AVBL.

**AERODROME OBSTACLES**

Lit mast 350FT AMSL, 0.8NM E of AD. Infringes HZS.

**PHYSICAL CHARACTERISTICS**

14/32 145 45a PCN 7 /F /B /830 (120PSI) /T Unrated. Sealed WID 30 RWS 90

**AERODROME AND APPROACH LIGHTING**

RWY 14/32 LIRL AFRU+PAL 126.7

SDBY PWR AVBL

**OTHER LIGHTING**

SDBY PWR switchover time: 8 SEC.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

118.2 8,000FT

**CTAF - AFRU 126.7****ADDITIONAL INFORMATION**

1. AD on Aboriginal Reserve. Only public area is AD proper. PPR to enter from Pormpuraaw Community Council.
2. Bird hazard exists at AD and is increased around RWY14/32 THR.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3112.
2. Also refer to AIP Departure and Approach Procedures.

PORT AUGUSTA

ELEV 56

AVFAX CODE 5004

51

075° 3NM

Port Augusta

1 deg

33

SA

323025S

1374300E

UTC +9:30

VAR 7 DEG E

YPAG

CERT

AD OPR Port Augusta City Council, 4 Mackay St (PO Box 1704), Port Augusta, SA, 5700. ARO 0488 776 904 H24. Council PH 08 8641 9100 H24.

REMARKS

1.

AD Charges: All ACFT.
2.

This AD is a Security Controlled Airport.

HANDLING SERVICES AND FACILITIES

Flying Fuels: 24HR carnet card and credit card swipe bowsters; AVGAS and JET A1. Others; call out fee applies. Phone 0429 695 728 if unanswered call 0412 602 447. EMERG SDBY PWR AVBL for fuel depot.

PASSENGER FACILITIES

PT/ME

METEOROLOGICAL INFORMATION PROVIDED

1.

TAF CAT C, METAR/SPECI.
2.

AWIS PH 08 8150 3814 - Report faults to BoM.

PHYSICAL CHARACTERISTICS

15/33

152

54a

PCN 21 /F /A /1200 (174PSI) /T

WID 30

RWS 150

AERODROME AND APPROACH LIGHTING

RWY 15/33

LIRL

PAL+AA 122.8

SDBY PWR AVBL

RWY 15/33

PAPI(1)

PAL+AA 122.8

3.0 DEG45FT

SDBY PWR AVBL

- (1)

Left side only.
- RWY edge light spacing: 15/33: 60M.

OTHER LIGHTING

1.

TWY LGT: Blue edge on A and B.
2.

Standby PWR switchover time: 15 SEC.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

MELBOURNE CENTRE

123.9 Circuit Area (limited coverage on ground)

LOCAL TRAFFIC REGULATIONS

1.

Apron and TWY limited to ACFT with MAX wingspan of 29M.
2.

TWY B limited to ACFT with MAX 5,700KG MTOW and MAX wingspan 18M.
3.

HLS suitable for refuelling and parking.

FLIGHT PROCEDURES

Right hand circuits when OPR RWY 33.

CTAF - AFRU 126.9

ADDITIONAL INFORMATION

Bird and animal hazard exists.

CHARTS RELATED TO THE AERODROME

1.

WAC 3459.
2.

Also refer to AIP Departure & Approach Procedures.

PORT CAMPBELL

VIC

384000S

1431500E

UTC +10

VAR 11 DEG E

POCA

NO AD

REMARKS

See ERSA GEN SPECIAL PROCEDURES - FN8: PORT CAMPBELL NATIONAL PARK - FLY NEIGHBOURLY ADVICE for guidance and depiction.



**PORT CAMPBELL HELIPORT****ELEV 250****FULL NOTAM SERVICE NOT AVBL**

VIC

UTC +10

YPHP

383744S

1430226E

VAR 11 DEG E

UNCR

AD OPR 12 Apostles Helicopters, Glenample, Princetown, VIC, 3269. PH 03 5598 8283.

**REMARKS**

1. HLS charges: \$50/landing.
2. PPR for all OPS - PH 03 5598 8283.
3. Heliport closed before 0800 and after 1HR before sunset DLY.

**HANDLING SERVICES AND FACILITIES**

12 Apostles Helicopters: PN required 03 5598 8283. AVGAS AVBL with prior arrangement with HLS OPR, V and MC.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE

125.8

**CTAF** 127.1**CHARTS RELATED TO THE AERODROME**

WAC 3469.

**PORT HEDLAND****ELEV 33****AVFAX CODE 6801**

WA

UTC +8

YPPD

202240S

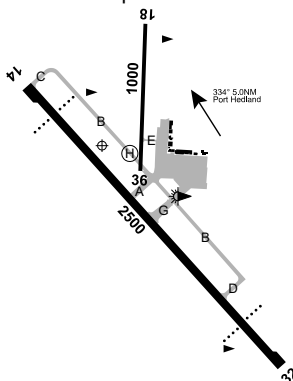
1183735E

VAR 1 DEG E

CERT

AD OPR PHIA Operating Company Pty Ltd, Port Hedland International Airport, PO Box 356, Port Hedland, WA, 6721. Email: [operations@phia.com.au](mailto:operations@phia.com.au). ARO Duty ARO (24HR) 0417 108 850.

Fax 9172 2074. Website: [www.porthedlandairport.com.au](http://www.porthedlandairport.com.au).

**REMARKS**

1. All non-RPT arrivals and departures must be notified to AD OPR prior to OPS, refer to website.
2. AD charges: ALL ACFT. Refer to website for latest information for landing and parking fees.
3. This is a security controlled airport. Security requirements:
  - a. All pilots are required to maintain the safety and security of passengers airside at all times.
  - b. ASIC to be worn and clearly displayed when airside.
  - c. Irrespective of size of ACFT, security screening is required for all passengers departing from the Terminal within the operational period of RPT - 90 MIN prior to arrival and 30 MIN after DEP.
4. Air Terminal AVBL 2200-1100 UTC, PPR AH contact ARO.

5. Emergency gate access contact ARO.
6. GA access via terminal electronic doors not AVBL.
7. All persons excluding PAX operating or accessing airside must wear high VIS attire at all times.

HANDLING SERVICES AND FACILITIES

AIR BP: 0700-1800 Local JO, AH 1HR PN - out of hours fees apply. Phone: 0429 031 306, Email: [airbpporthedland@mssgroup.com.au](mailto:airbpporthedland@mssgroup.com.au), Fax: 08 7109 0050. H24 AVGAS card bowser, JET A1.

AERO REFUELLERS: JET A1 plus FSII refuellers, single point and overwing, Aeroshell lubricants. 0600-1800 Local MON-FRI, AH 1HR PN - out of hours fees apply. PH 0436 360 061. Aero Refuellers Carnet, MC and V.

General

For itinerant marshalling CTC Head of Operations, email: [om@phia.com.au](mailto:om@phia.com.au) or PH 0448 095 980.

RESCUE AND FIREFIGHTING SERVICES

1. CAT 6
- a. MON - FRI: 2315-1130 UTC.
- b. SAT: 2315-0500 UTC
- c. SUN: 0415-1130 UTC.
2. 131.0 MHz AVBL HO.

APRONS AND TAXIWAYS

1. TWY B, C and D not AVBL to ACFT ABV 20,000KG MTOW.
2. All ACFT ABV 20,000KG must use TWY A or G.
3. TWY E not AVBL to ACFT ABV 5,700KG.
4. Northern APN not AVBL to ACFT ABV 5,700KG.
5. Main APN PRKG Bays 1-6 and 8, 48HR PN to AD OPR for PRKG ACFT other than RPT.
6. ACFT taxiing or holding on TWY A for RWY 14/32 may infringe ACFT APP SFC for RWY 36 or TKOF on RWY 18.
7. The following TWY are not lit, and are suitable for daylight OPS only:
- a. TWY C;
- b. TWY B BTN TWY A and TWY D;
- c. TWY B BTN TWY C and RWY 18/36;
- d. TWY D;
- e. TWY E.
8. TWY A restrictions: ACFT ABV 50,000KG MTOW to use TWY G H24, TFC flow permitting.
9. GA APN: TWY and TXL MNM separation DIST FM parked ACFT and fixed obstacles not guaranteed for Code B ACFT.

AERODROME OBSTACLES

1. LIOL BRG 103 DEG MAG 0.73NM FM ARP, 162FT AMSL.
2. Unlit masts:
- a. BRG 222 DEG MAG 2.6NM FM ARP, 224FT ABV AD ELEV.
- b. BRG 120 DEG MAG 1.1NM FM ARP, 171FT AGL.
- c. BRG 297 DEG MAG 0.56NM FM ARP, 74FT AGL. Infringes transitional SFC by 10FT.
3. Cranes in area (Wedgefield) 330FT AMSL BTN BRG 258 and 294 DEG MAG, 1 to 2.4NM FM ARP.

METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT A, METAR/SPECI.
2. AWIS Phone 08 6216 2634 - Report faults to BoM.
3. AWIS FREQ 133.2 (requires one-second pulse to activate) - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

|       |     |     |                                                      |               |
|-------|-----|-----|------------------------------------------------------|---------------|
| 14/32 | 136 | 82a | PCN 39 /F /A /1200 (174PSI) /T 60M either end WID 45 | RWS 300       |
|       |     |     | not grooved.                                         |               |
| 18/36 | 181 | 33a | PCN 8 /F /A /550 (80PSI) /U                          | WID 18 RWS 90 |

**AERODROME AND APPROACH LIGHTING**

|           |         |                |             |               |
|-----------|---------|----------------|-------------|---------------|
| RWY 14/32 | MIRL(1) | AFRU+PAL 119.9 |             | SDBY PWR AVBL |
| RWY 14/32 | PAPI(2) | AFRU+PAL 119.9 | 3.0 DEG49FT | SDBY PWR AVBL |
| RWY 18/36 | LIRL    | AFRU+PAL 119.9 |             |               |

- (1) ACT DRG AFIS HR. PAL will ACT outside of AFIS HR.
- (2) Double sided. ACT DRG AFIS HR. PAL will ACT outside AFIS HR.
1. Also AVBL by key operated switching for scheduled RPT OPS and EMERG.
2. RWY 14/32 longitudinal LGT spacings 60M.
3. PAL activates stage 2 lighting. All other stages operated manually by AFIS or Duty Airport Operations Officer.

**OTHER LIGHTING**

1. Secondary PWR switchover time: 15 SEC.
2. PAL activates main APN lighting.
3. TWY LGT: Green CL.

**ATS AND AERODROME COMMUNICATION FACILITIES**

|      |                     |                                   |
|------|---------------------|-----------------------------------|
| FIA  | MELBOURNE CENTRE    | 118.6 On Ground (Outside AFIS HR) |
| AFIS | HEDLAND INFORMATION | 119.9 (2)                         |
| ATIS | HEDLAND ATIS        | 133.65 (1)                        |

- (1) Also AVBL 08 9158 5995.
- (2) Callsign HEDLAND INFORMATION.

**AFIS HR:**

- a. MON-FRI: 2330-1040 UTC
- b. SAT: 2330-0615 UTC
- c. SUN: 0400-1040 UTC

Phone: 08 9158 5940^ or email: hedland.tower@airservicesaustralia.com

*Note: AFIS HR may change at short notice. Check status of airspace with ATS or Port Hedland ATIS.*

2. Hedland provides a TFC INFO service in the PD Broadcast Area, 20NM radius of PD to 8,000FT AMSL.
3. Outside AFIS HR the PD Broadcast Area remains Class G, with non-towered aerodrome PROC applying and FIS provided by ML Centre.

**RADIO NAVIGATION AND LANDING AIDS**

|     |    |            |           |            |                                        |
|-----|----|------------|-----------|------------|----------------------------------------|
| DME | PD | 114.1/ 88X | 202242.5S | 1183722.3E | (1)                                    |
| NDB | PD | 260        | 202316.2S | 1183837.6E | (2)                                    |
|     |    |            |           |            | Range 100 (HN 75) OW<br>140 (OW HN110) |
| VOR | PD | 114.1      | 202242.5S | 1183721.8E |                                        |

- (1) Antenna ELEV 46FT.

- (2) 298/1.2 to ARP

**LOCAL TRAFFIC REGULATIONS**

1. Pilots are REQ to minimise ground running of turboprop ACFT in the vicinity of parking Bays 1-5 to reduce noise levels in terminal.
2. 48HR PN to AD OPR REQ for PRKG of ACFT ABV 5,700KG MTOW.
3. All ACFT ABV 20,000KG LDG RWY 14/32 must roll through to RWY end prior to executing 180 DEG turn using turning nodes. Full back track to TWY A or G.
4. Skid equipped HEL restricted to authorised helipads only.
5. Wide body ACFT to use yellow dash lines when taxiing from RWY 14/32 onto TWY A.
6. Departing ACFT from Bays 1-8 must use turn out lines.
7. No DCT APCH LDG or DEP from the APN areas. All ARR and DEP to be conducted from designated TWY or RWY.

**CTAF - AFRU 119.9**

ADDITIONAL INFORMATION

1. CAUTION: significant wildlife hazard exists. Corella, ibis, and gulls flocking OHD AD. SFC to 100FT AGL, with ACT peaking around dawn and dusk.
2. Port Hedland Heliport (YHIP) BRG 321MAG 4.7NM FM ARP.
3. HEL OPS WI 30NM of YHIP using night vision goggles primarily over water for maritime transfer may not be displaying external lighting.
4. Weather balloon launch APRX 2315 UTC FM 240M E RWY 18 THR. Launches may occur at other times.

CHARTS RELATED TO THE AERODROME

1. WAC 3229.
2. Also refer to AIP Departure and Approach Procedures.
3. Type A Chart: RWY 14/32: August 2015.

PORT HEDLAND/WODGINA

ELEV 411

AVFAX CODE 6836

WA

210209S

1183837E

UTC +8

VAR 1 DEG E

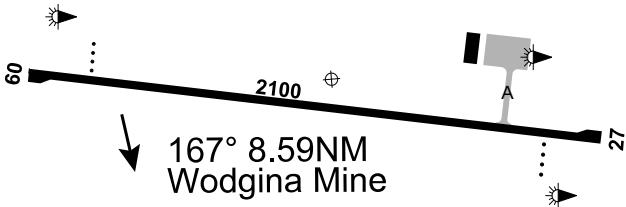
YWGA

CERT

AD OPR Wodgina Lithium Pty Ltd, 20 Walters Drive, Osborne Park, WA, 6017.

Email: wodginaairportsupervisor@mrl.com.au. PH AD Supervisor: 0478 700 484 or 0417 451 395.

ARO 0475 187 291.



REMARKS

1. PPR from AD OPR.
2. PRI source of PWR is derived from a generator.

HANDLING SERVICES AND FACILITIES

VIVA Energy Australia Pty Ltd. JET A1 AVBL. 2HR PN RQ HN only. CTC PH 0439 682 714.  
Call-out fee applies on weekends.

PASSENGER FACILITIES

WC/RF/LG and Telstra 4G reception.

AERODROME OBSTACLES

Unlit Terrain 673FT AMSL BRG 195DEG MAG 2.63NM FM ARP, Infringes conical SFC by 10FT.

PHYSICAL CHARACTERISTICS

09/27      095   69a   PCN 51 /F /C /1500 (218PSI) /T Grooved      WID 30      RWS 300

AERODROME AND APPROACH LIGHTING

RWY 09/27      LIRL      PAL 120.6      SDBY PWR AVBL

RWY 09/27      PAPI(1)      PAL 120.6      3.0 DEG53FT      SDBY PWR AVBL

RWY 09/27      PTBL(2)      BY PRIOR ARRANGEMENT

- (1) Left side only.
- (2) AVBL with 2HR PN.
1. RWY edge light spacing: 09/27 60M.
2. No mains PWR AVBL.

OTHER LIGHTING

1. SDBY PWR switchover time: 2 MIN.
2. TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE

118.6 Circuit Area

UNICOM PORT HEDLAND/WODGINA UNICOM

132.225 (1)

(1) CS "Wodgina UNICOM". AVBL for scheduled movements.

**LOCAL TRAFFIC REGULATIONS**

1. RWY 09/27: All fixed wing ACFT ABV 20,000KG must make MAX RAD turns at MNM speed at all turning nodes to avoid SFC damage.
2. PRKG by prior arrangement from ARO.
3. Itinerant PRKG to SW end of APN.
4. All ACFT to follow APN markings.
5. All jet ACFT to use idle power for movements on the APN with the exception of breakaway thrust to initiate taxi. ACFT that cannot comply with this restriction must advise the AD OPR prior to departure.

**FLIGHT PROCEDURES**

Due to terrain no circling south of RWY 09/27.

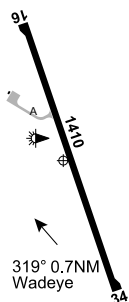
**CTAF - AFRU 126.7****ADDITIONAL INFORMATION**

Blasting details; CTC AD Manager/ARO. Occurs at the following:

- a. BRG 168.88 DEG MAG 9.39NM from ARP.
- b. BRG 098.65 DEG MAG 14.64NM from ARP.
- c. BRG 094.61 DEG MAG 14.69NM from ARP.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3229.
2. Also refer to AIP Departure and Approach Procedures.

**PORT KEATS****ELEV 111****AVFAX CODE 8051**

NT

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UTC +9:30

YPKT

VAR 3 DEG E

CERT

AD OPR West Daly Regional Council, PO Box 36294, Winnellie, NT, 0821.  
 Email: info@westdaly.nt.gov.au. PH BH 08 7922 6403. ARO 0488 259 549.

**REMARKS**

AD Charges: All ACFT.

**PASSENGER FACILITIES**

Telstra 5G mobile reception

**AERODROME OBSTACLES**

Trees:

- a. BRG 168 MAG 525M FM ARP, infringes transitional SFC by 20FT.
- b. 154FT AMSL BRG 165 MAG 797M FM ARP infringes transitional SFC by 10FT.
- c. 160FT AMSL BRG 176 MAG 423M FM ARP infringes transitional SFC by 12FT.
- d. 158FT AMSL BRG 179 MAG 379M FM ARP infringes transitional SFC by 4FT.
- e. 166FT AMSL BRG 180 MAG 353M FM ARP infringes transitional SFC by 7FT.
- f. 155FT AMSL BRG 334 MAG 533M FM ARP infringes transitional SFC by 17FT.
- g. 154FT AMSL BRG 335 MAG 632M FM ARP infringes transitional SFC by 11FT.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT D - METAR/SPECI.
2. AWIS PH 08 7922 2512 - Report faults to BoM.
3. AWIS FREQ 124.75 - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

16/3415846aUnrated. Sealed

WID 23RWS 90

AERODROME AND APPROACH LIGHTING

RWY 16/34LIRL(2)  
RWY 16/34PTBL(1)

BY PRIOR ARRANGEMENT

(1)EMERG only. 40MIN PN.  
(2)EMERG only. Automatically ACT HN.

ATS AND AERODROME COMMUNICATION FACILITIES

FIABRISBANE CENTRE

118.15 FL110

LOCAL TRAFFIC REGULATIONS

Tie-downs have not been load tested.

CTAF - AFRU 126.7

ADDITIONAL INFORMATION

- 1.Bird hazard exists.
- 2.Possibility of animals on movement area.

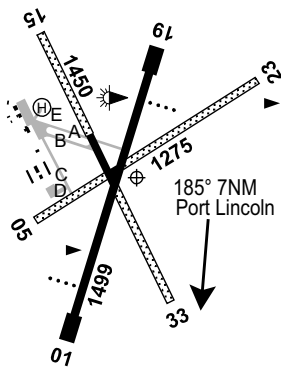
CHARTS RELATED TO THE AERODROME

- 1.WAC 3109.
- 2.Also refer to AIP Departure and Approach Procedures.

PORT LINCOLN

ELEV 36

AVFAX CODE 5008



SA343619S1355249EUTC +9:30YPLC  
VAR 7 DEG ECERT

AD OPR District Council of Lower Eyre Peninsula, 32 Railway Terrace, Cummins, SA, 5631. ARO H24 0428 762 106.  
Council PH 08 8676 0400.

REMARKS

- 1.AD Charges: All ACFT.
- 2.This AD is a Security Controlled Airport.

HANDLING SERVICES AND FACILITIES

World Fuel Services: H24 self-serve bowser JET A1 and AVGAS.  
World Fuel Services cards, V and MC accepted via smartphone APP. Call-out fee may apply. Others minimum 1HR notice  
PH: 0448 874 251.

APRONS AND TAXIWAYS

- 1.TWY A MAX 8,000KG/880 (128PSI), Sealed.
- 2.TWY B PCN 23/F/C/880 (128PSI)/T, Sealed.

SURFACE MOVEMENT GUIDANCE

Lateral spacing of lights 49M RWY 01/19 only.

AERODROME OBSTACLES

NBN TWR 325FT AMSL 2,385M (1.29NM) 267 DEG MAG FM ARP.

METEOROLOGICAL INFORMATION PROVIDED

- 1.TAF CAT B, METAR/SPECI.
- 2.AWIS PH 08 8150 3815 - Report faults to BoM.
- 3.AWIS FREQ 133.1 - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

|       |     |     |                                                                           |        |         |
|-------|-----|-----|---------------------------------------------------------------------------|--------|---------|
| 01/19 | 010 | 49a | PCN 23 /F /C /880 (128PSI) /T                                             | WID 30 | RWS 150 |
| 05/23 | 051 | 42c | 5700/520 (75PSI) Unrated. Gravel                                          | WID 30 | RWS 90  |
| 15/33 | 147 | 48c | PCN 7 /F /C /700 (102PSI) /U Sealed high strength BTN TWY B and RWY 01/19 | WID 30 | RWS 90  |

AERODROME AND APPROACH LIGHTING

|                                                |            |              |             |               |
|------------------------------------------------|------------|--------------|-------------|---------------|
| RWY 01/19                                      | LIRL       | PAL+AA 124.1 |             | SDBY PWR AVBL |
| RWY 01/19                                      | PAPI(1)    | PAL+AA 124.1 | 3.0 DEG45FT | SDBY PWR AVBL |
| RWY 15/33                                      | LIRL       | PAL+AA 124.1 |             | SDBY PWR AVBL |
| (1)                                            | Left side. |              |             |               |
| RWY edge light spacing: 01/19: 90M, 15/33: 90M |            |              |             |               |

OTHER LIGHTING

- 1. TWY LGT: Blue edge on A, B and E.
- 2. Secondary PWR switchover time: 15 SEC

ATS AND AERODROME COMMUNICATION FACILITIES

FIA MELBOURNE CENTRE 125.9 On Ground

RADIO NAVIGATION AND LANDING AIDS

|     |     |     |           |            |                                  |
|-----|-----|-----|-----------|------------|----------------------------------|
| NDB | PLC | 389 | 343615.9S | 1355223.7E | Range 70 (HN 70) OW 85 (OW HN85) |
|-----|-----|-----|-----------|------------|----------------------------------|

LOCAL TRAFFIC REGULATIONS

- 1. One HEL PRKG position AVBL NE of RPT apron.
- 2. Sealed apron is restricted to RPT ACFT, unless prior arrangements have been made.
- 3. RPT ACFT to use turning nodes on RWY 01/19.
- 4. TWY A not AVBL to ACFT ABV 8,000KG MAX all up weight.
- 5. TWY C not AVBL to ACFT ABV 5,700KG MTOW.

FLIGHT PROCEDURES

Right hand circuits RQ when OPR on RWY 01, RWY 05 and RWY 33.

CTAF - AFRU 128.0

ADDITIONAL INFORMATION

- 1. Bird hazard exists.
- 2. RWY grass strips not maintained for ACFT OPS.

CHARTS RELATED TO THE AERODROME

- 1. WAC 3459.
- 2. Also refer to AIP Departure and Approach Procedures.

**PORT MACQUARIE****ELEV 15****AVFAX CODE 2015**

NSW

UTC +10

YPMQ

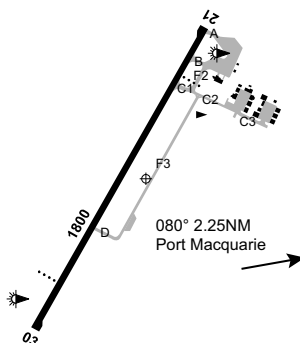
312609S

1525148E

VAR 12 DEG E

CERT

AD OPR Port Macquarie-Hastings Council, PO Box 84, Port Macquarie, NSW, 2444.

Email: [airport.operations@pmhc.nsw.gov.au](mailto:airport.operations@pmhc.nsw.gov.au). ARO H24 0418 408 529.**REMARKS**

1. AD Charges: All ACFT. Additional charges for PAX through RPT terminal.
2. This AD is a Security Controlled Airport.
3. Conditions of use are promulgated at [www.pmhc.nsw.gov.au](http://www.pmhc.nsw.gov.au) or [www.portmacquarieairport.com.au](http://www.portmacquarieairport.com.au) or by request through ARO.
4. Gate Code access to airside AVBL to bona fide aircrew by contacting ARO.
5. Pilots, crew and operators must display a current ASIC when airside and have a bona fide reason to be in the Security Restricted Area.

**HANDLING SERVICES AND FACILITIES**

Air BP: Todd Millerd PH 0402 839 657. MON-FRI 0800-1730 Local. AH call-out and/or opening fees apply. AVGAS and JET A1.

**PASSENGER FACILITIES**

PT/TX/HC/RF/WC/LG

**APRONS AND TAXIWAYS**

1. TWY A at RWY 21 THR for RPT APN Bay 3, 3A and 4.
2. TWY B for RPT APN Bay 1, 1R, 2, 3A and 3AR.
3. Use of the RPT Bays 1 to 4 is restricted to RPT ACFT and aerial ambulance (excluding helicopters). Other ACFT ABV 5,700KG as approved by AD OPR with 72 HR PN. All Code B ACFT BLW 5,700KG to use GA TWY C and GA aprons.
4. TWY C2 and C3 not AVBL to ACFT ABV 5,700KG MTOW and wingspan greater than 18M.
5. TWY C1 and F2 restricted to MAX 20,000KG MTOW and MAX 28M wingspan.
6. TWY D and F3 not AVBL to ACFT ABV 5,700KG MTOW and wingspan greater than 15M.

**AERODROME OBSTACLES**

1. Lit group of TWR:
  - a. Transit Hill, BRG 109 DEG MAG 6,297M FM ARP, 529FT (MAX) AMSL. Infringes outer HZS.
  - b. APN and car park, BRG 022 DEG MAG 570-845M FM ARP, 95FT (MAX) AMSL. Infringes transitional SFC (east).
2. OBST:
  - a. BRG 079 DEG MAG 3,240M FM ARP, 204FT AMSL. Infringes COS.
  - b. BRG 084 DEG MAG 2,735M FM ARP, 210FT AMSL. Infringes inner HZS.
  - c. BRG 095 DEG MAG 1,910M FM ARP, 252FT AMSL. Infringes inner HZS.
3. TWR BRG 072 DEG MAG 4,888M FM ARP, 272FT AMSL. Infringes COS.



4. Lit TWR:
  - a. BRG 260 DEG MAG 4,022M FM ARP, 214FT AMSL. Infringes inner HZS.
  - b. Marked HJ and lit HN, BRG 123 DEG MAG 2,666M FM ARP, 177FT AMSL. Infringes inner HZS.
  - c. Marked HJ and lit HN, BRG 091 DEG MAG 2,984M FM ARP, 172FT AMSL. Infringes inner HZS.
5. RWY 21 approach surface - trees:
  - a. BRG 009 DEG MAG 1,440M FM ARP. Infringes approach by 20FT.
  - b. BRG 017 DEG MAG 1,536M FM ARP. Infringes approach by 12FT.
  - c. BRG 011 DEG MAG 1,522M FM ARP. Infringes approach by 18FT.
  - d. BRG 018 DEG MAG 1,203M FM ARP. Infringes approach by 20FT.
  - e. BRG 018 DEG MAG 1,413M FM ARP. Infringes approach by 20FT.
  - f. BRG 013 DEG MAG 1,372M FM ARP. Infringes approach by 20FT.
  - g. BRG 006 DEG MAG 1,351M FM ARP. Infringes approach by 24FT.
  - h. BRG 007 DEG MAG 1,362M FM ARP. Infringes approach by 25FT.
6. RWY 03 approach surface - trees:
  - a. BRG 198 DEG MAG 2,538M FM ARP. Infringes approach by 26FT.
  - b. BRG 201 DEG MAG 3,749M FM ARP. Infringes approach by 20FT.
  - c. BRG 200 DEG MAG 2,514M FM ARP. Infringes approach by 21FT.
  - d. BRG 200 DEG MAG 1,218M FM ARP. Infringes approach by 24FT.
  - e. BRG 208 DEG MAG 1,442M FM ARP. Infringes approach by 15FT.
  - f. BRG 205 DEG MAG 3,866M FM ARP. Infringes approach by 27FT.
  - g. BRG 194 DEG MAG 2,988M FM ARP. Infringes approach by 18FT.
  - h. BRG 200 DEG MAG 1,218M FM ARP. Infringes approach by 24FT.
  - i. BRG 207 DEG MAG 1,849M FM ARP. Infringes approach by 27FT.
  - j. BRG 205 DEG MAG 2,701M FM ARP. Infringes approach by 30FT.
  - k. BRG 198 DEG MAG 1,370M FM ARP. Infringes approach by 43FT.
  - l. BRG 201 DEG MAG 1,292M FM ARP. Infringes approach by 29FT.
  - m. BRG 196 DEG MAG 2,628M FM ARP. Infringes approach by 29FT.
  - n. BRG 197 DEG MAG 2,568M FM ARP. Infringes approach by 25FT.
  - o. BRG 202 DEG MAG 3,453M FM ARP. Infringes approach by 23FT.
  - p. BRG 200 DEG MAG 1,498M FM ARP. Infringes approach by 17FT.
  - q. BRG 202 DEG MAG 1,138M FM ARP. Infringes approach by 20FT.
  - r. BRG 204 DEG MAG 1,760M FM ARP. Infringes approach by 18FT.

## METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT B, METAR/SPECI.
2. AWIS Phone 02 9353 6447 - Report faults to BoM.
3. AWIS FREQ 128.45 - Report faults to AD OPR.

## PHYSICAL CHARACTERISTICS

03/21 017 59a PCN 30 /F /C /1400 (203PSI) /T Grooved WID 45 RWS 150  
 RWY end turning nodes, 54 WID.

## AERODROME AND APPROACH LIGHTING

RWY 03/21 LIRL(1) SDBY PWR AVBL  
 RWY 03/21 PAPI PAL 122.3 3.0 DEG54FT SDBY PWR AVBL  
 (1) PAL HN only  
 RWY edge light spacing: 03/21: 60M.

## OTHER LIGHTING

1. Secondary PWR switchover time: 15 SEC.
2. TWY LGT: Blue edge on A, B, C1 and F2.

## ATS AND AERODROME COMMUNICATION FACILITIES

FIA BRISBANE CENTRE 120.55 Circuit Area  
 For on ground COM, contact Brisbane Centre on 126.6.

## RADIO NAVIGATION AND LANDING AIDS

NDB PMQ 395 312608.4S 1525200.3E Range 35 (HN 35) OW 70 (1)  
 (OW HN70)

- (1) Pilot monitored.

LOCAL TRAFFIC REGULATIONS

1. Parking - RPT Apron not AVBL for GA, Helicopters or itinerant ACFT parking with the exception of Air Ambulance, RAAF and freight OPR. Other requests considered with 72 HR PN. Written approval required for ACFT that require RPT apron due to mass or wingspan limitations and/or pavement concessions. ACFT parking and Passenger fees apply.
2. GA ACFT engine runs and run-ups should be conducted in dedicated/marked run-up bays located off TWY F3. Contact ARO for other location requests.
3. ACFT ABV 20,000KG MTOW to execute 180DEG turns at RWY end turning nodes.
4. HEL approach and departures to be made on RWY or within RWS. No direct approaches to be made to HEL PRKG area (marked by blue cones). HEL taxilane to/from HEL PRKG located S TWY C1, W TWY F3 (marked by blue cones).

FLIGHT PROCEDURES

1. Mandatory CTAF broadcasts required before operating on RWY.
2. RWY 03/21 RWY sight distance does not comply with MOS Part 139 - para 6.2.7.2. CTC AD OPR.
3. Pilots are requested to avoid flying over residential buildings.
4. **Seaplanes**

a. CCTS to be made out to sea at 500FT.

b. OPR only in VMC.

c. To be radio equipped and make calls entering and in the circuit.

CTAF - AFRU 118.1

ADDITIONAL INFORMATION

1. PJE WI 2NM AD up to 10,000FT AMSL. Parachuting ACFT will broadcast on CTAF and area FREQ.
2. Flying fox activity exists during twilight periods.
3. Aerobatic area - 1KM S PMQ golf course, 1KM N Lake Cathie, 1NM E and parallel to coast and E of PMQ - Lake Cathie road.
4. Seaplanes OPR on the Hastings River N and NE of RWY 21 THR.

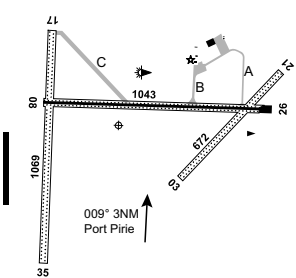
CHARTS RELATED TO THE AERODROME

1. WAC 3357.
2. Also refer to AIP Departure and Approach Procedures.

PORT PIRIE

ELEV 39

AVFAX CODE 5032



SA331420S1375942EUTC +9:30YPIRCERT

VAR 8 DEG E

AD OPR Port Pirie Regional Council, PO Box 45, Port Pirie, SA, 5540. PH 08 8633 9777. ARO 0407 602 077 H24.

HANDLING SERVICES AND FACILITIES

Flying Fuels AVGAS 100 and JET A1, H24 credit card swipe bowsters. Compac Pay APP PH: 0412 602 447 H24. PH: 0407 602 077.

PASSENGER FACILITIES

TX/WC/RF/LG

PHYSICAL CHARACTERISTICS

|       |     |       |                                      |        |        |
|-------|-----|-------|--------------------------------------|--------|--------|
| 03/21 | 034 | 22c   | Unrated. Natural.                    | WID 30 | RWS 90 |
| 08/26 | 083 | 34a/c | Unrated. Gravel. Central 18M sealed. | WID 30 | RWS 90 |
| 17/35 | 173 | 35c   | Unrated. Gravel.                     | WID 30 | RWS 90 |

AERODROME AND APPROACH LIGHTING

RWY 08/26LIRLAFRU+PAL 126.9SDBY PWR AVBL

RWY 08/26 edge light spacing 60M.



OTHER LIGHTING

- 1. Secondary PWR switchover time: 15 SEC.
- 2. TWY A, TWY B (from TWY A to TWY C) and TWY C Green CL.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA MELBOURNE CENTRE 125.8 Circuit Area

CTAF - AFRU 127.95

ADDITIONAL INFORMATION

Bird and animal hazard exists.

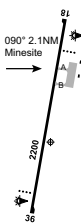
CHARTS RELATED TO THE AERODROME

- 1. WAC 3469.
- 2. Also refer to AIP Departure and Approach Procedures.

PROMINENT HILL

ELEV 741

AVFAX CODE 5206



SA 294304S 1353128E UTC +9:30 YPMH  
AD OPR OZ Minerals, 2 Hamra Drive, Adelaide Airport, SA, 5950. CERT  
Email: [airportcoordinators@bhp.com](mailto:airportcoordinators@bhp.com). PH Aviation Supervisor 0417 844 183.  
ARO H24 0427 594 817.

REMARKS

Restricted OPS: PPR FM AD OPR.

HANDLING SERVICES AND FACILITIES

VIVA Energy Aviation: JET A1 CTC ARO.  
Marshalling, parking allocation and ground handling by prior arrangement with AD OPR.

PASSENGER FACILITIES

LG/RF/WC. Telstra 4G mobile reception.

PHYSICAL CHARACTERISTICS

18/36 184 72a PCN 26 /F /B /980 (142PSI) /T WID 30 RWS 150

AERODROME AND APPROACH LIGHTING

RWY 18/36 LIRL PAL+AA 122.8  
RWY 18/36 PAPI(1) PAL+AA 122.8 3.0 DEG45FT  
RWY 18/36 PTBL(2) BY PRIOR ARRANGEMENT

- (1) Left side.
- (2) 60MIN PN. CTC ARO.
- 1. RWY edge light spacing: 18/36: 60M.
- 2. Selection of PAL HJ will activate PAPI only EXC where low LGT conditions exist due WX. Normal RWY LGT activation HN.
- 3. APN LGT AVBL Bay 3 only.

OTHER LIGHTING

TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA MELBOURNE CENTRE 122.0 7000FT

LOCAL TRAFFIC REGULATIONS

- 1. RWY 18/36 ACFT ABV 5,700KG MTOW must make MAX radius turns at MNM speed at turn pads to avoid SFC damage.
- 2. Refuelling AVBL Bay 3 only.

FLIGHT PROCEDURES

- 1. Right hand CCTS RQ when OPR RWY 18.
- 2. ACFT to avoid overflying the mine and plant areas E of AD due obstacles and blasting.

**CTAF - AFRU 126.6**

## ADDITIONAL INFORMATION

Bird hazard exists. Nankeen Kestrel may be present in VCY of AD.

## CHARTS RELATED TO THE AERODROME

1. WAC 3354.
2. Also refer to AIP Departure and Approach Procedures.

## PROSERPINE/WHITSUNDAY COAST

**ELEV 82**

## AVFAX CODE 4405

QLD

202942S

1483308E

UTC +10

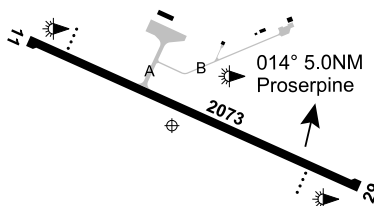
VAR 8 DEG E

YBPN

CERT

AD OPR Whitsunday Regional Council, PO Box 104, Proserpine, QLD, 4800.

Email: wca@wrc.qld.gov.au. ARO 0417 762 235. Website: www.whitsundayrc.qld.gov.au.



## REMARKS

1. AD Charges: All ACFT.
2. This AD is a Security Controlled Airport.
3. High VIS clothing required for pilots and crew.
4. A valid ASIC must be displayed by pilots, crew and staff at all times while airside.
5. For all itinerant aircraft operations using the main ATO APN, passenger access to the terminal building and facilities is via pedestrian Gate 4A.
6. For all itinerant aircraft operations using the GA APN, passenger access to the terminal building and facilities is via pedestrian Gate 7A.

## HANDLING SERVICES AND FACILITIES

VIVA Energy: HR vary with airline RPT schedule. AH call out fee applies, PN advised.

PH 0428 269 457. JET A1 and AVGAS 100LL. Viva Fuel2Sky card, Universal Aviation Australia, World Fuel Services (Australia) and credit cards (V and MC).

IOR Aviation Pty Ltd. JET A1 AVBL truck over-wing and under-wing. AVGAS 100LL AVBL H24

7 days 0800 - 1600 Local. AH call-out AVBL, fees apply \$275 plus GST. Payment method via IOR Aviation account holders, V and MC and EFTPOS. PH: 0409 193 513 or 1300 457 467.

*Note: AVGAS not AVBL at night due to no lighting on TWY B (see Local Traffic Regulations Note 6).*

*Limited Vodafone coverage in vicinity of bowser.*

## General

AD OPR does not provide marshalling services. For ground handling support, contact Precision Aviation Services 0436 030 262.

## PASSENGER FACILITIES

WC. Located landside adjacent to the airport management building and also within the passenger terminal building during operational hours. For General Aviation users, access to these toilet facilities is via Gate 7A. For access assistance PH 0417 762 235.

## RESCUE AND FIREFIGHTING SERVICES

1. CAT 6 OPR HR:  
MON, TUE, WED, THU and SAT 2250-0810 UTC.  
FRI and SUN 2250-0935 UTC.
2. EMERG FREQ 131.0MHz AVBL HO.

AERODROME OBSTACLES

Unlit fence 8.5FT AGL 114M N of THR RWY 11 extend CL infringes 300M APCH inner edge.  
GRAD 71.6.

METEOROLOGICAL INFORMATION PROVIDED

- 1. TAF CAT B, METAR/SPECI.
- 2. AWIS Phone 07 3564 3732 - Report faults to BoM.
- 3. AWIS FREQ 126.25 - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

11/29            106   68a   PCN 53 /F /B /1441 (209PSI) /T Grooved            WID 45    RWS 150

AERODROME AND APPROACH LIGHTING

RWY 11/29    LIRL            AFRU+PAL 126.7            SDBY PWR AVBL  
RWY 11/29    PAPI            AFRU+PAL 126.7    3.0 DEG50FT    SDBY PWR AVBL  
RWY 11        RTIL(1)           AFRU+PAL 126.7           SDBY PWR AVBL

- (1) Activated in conjunction with PAPI H24 in three stages: Day, Twilight and Night.
- 1. RWY edge light spacing: 11/29: 60M.
- 2. For EMERG activation Phone 0417 762 235.

OTHER LIGHTING

- 1. SDBY PWR switchover time: 15 SEC.
- 2. TWY LGT: Green CL.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA            BRISBANE CENTRE            135.5

For on GND COM contact Brisbane centre on 134.7.

RADIO NAVIGATION AND LANDING AIDS

DME   PN    113.7/ 84X            202948.7S            1483310.2E            (2)  
VOR   PN    113.7            202948.8S            1483310.7E            (1)

- (1) UNREL BTN 260-270 radials.
- (2) Antenna ELEV 97FT.

LOCAL TRAFFIC REGULATIONS

- 1. All local and charter ACFT requiring access to main RPT apron must park on Bay 1. Notification is required in advance for permission to park on main apron.
- 2. **RPT operations on Bay 2, 3 and 4 only**
  - a. Deplaning local commuter and charter ACFT. While RPT operations are in progress pilots of all other ACFT will escort their passengers directly to gate 4A not mixing with RPT passengers.
  - b. Emplaning local commuter and charter ACFT. While RPT operations are in progress pilots of all other ACFT will escort passengers directly through gate 4A ensuring passengers do not mix with RPT passengers.
  - c. Whitsunday Regional Council as airport operator reserves the right to change these conditions at any time.
- 3. All itinerant ACFT BLW 5,700KG are to park in the designated light ACFT PRKG area via TWY B unless prior approval obtained for main apron. Safety officer (0417 762 235).
- 4. Parking of non RPT ACFT ABV 5,700KG is AVBL after approval from Safety Officer (0417 762 235) or AD OPR.
- 5. Confine OPS to paved surfaces only, unless specifically approved by the AD OPR.
- 6. Light ACFT TWY B night OPS not permitted.
- 7. Use of airport by ultralight and non-VH registered ACFT requires the submission of a completed Conditional Agreement Form AVBL from website.

CTAF - AFRU 126.7

## ADDITIONAL INFORMATION

Wildlife activity increases following sustained rainfall, call ARO on CTAF for real time activity report.

- a. Year round: crow, kite and ibis activity present.  
Ibis, magpie goose, Australian pelican and black swan in vicinity of AD, particularly E of RWY 29.
- b. JAN-MAR: duck and lorikeet activity increases.
- c. APR-JUN: egret and eagle activity increases.
- d. JUL-SEP: lapwing (plover), cormorant, martin and swallow activity increases.
- e. OCT-DEC: eagle and lorikeet activity increases.

## CHARTS RELATED TO THE AERODROME

1. WAC 3234, 3235.
2. Also refer to AIP Departure and Approach Procedures.

## PUCKAPUNYAL

**ELEV 550**

### AVFAX CODE 3036

### FULL NOTAM SERVICE NOT AVBL

VIC

UTC +10

YPKL

365958S

1450346E

VAR 11 DEG E

UNCR

AD OPR Puckapunyal Range Control, Passchendale Parade, Puckapunyal, VIC, 3662.

PH 03 5735 7769. Mobile 0408 435 633. Fax 03 5793 1076.

## REMARKS

1. MIL AD - not AVBL for public use.
2. PPR for MIL, MED and EMERG.
3. Night fixed wing OPS permitted.

## ATS AND AERODROME COMMUNICATION FACILITIES

FIA

MELBOURNE CENTRE

122.4 Circuit Area

## LOCAL TRAFFIC REGULATIONS

1. ACFT DEP YPKL for Mangalore AD (YMNG) BCST intentions on 122.4.
2. Contact range control on 03 5735 7769 prior to DEP to CFM FREQ RQMNTS.

## FLIGHT PROCEDURES

1. **Clearance requirements for R350, R351 and R352**
  - a. R350A, R350B and R352 Puckapunyal. ACFT to CTC Agency Range Control (callsign Puckapunyal Range Safety) 30NM inbound; FM FREQ 72.350 (primary) or 162.450 (secondary). Phone 03 5735 7769 or 0408 435 633.
  - b. R351A, R351B and R351C Graytown. ACFT to CTC Agency Range Control (callsign Graytown Operations) 30NM inbound; note duplex radio system is in use. ACFT to transmit on FM FREQ 389.2 and receive on 383.2. Ph 03 5794 3218 during working hours, AH - security detachment 03 5794 3211 or Duty Officer on 0417 028 505.
  - c. R352 Puckapunyal. Use of AD or HLS (Hospital) may involve operations in R352. SFC - 3000 by NOTAM. ACFT to CTC Puckapunyal Range Control (callsign Puckapunyal Range Safety) 30NM inbound; FM FREQ 72.350 or 162.450 or confirm on 03 5735 7769 or Fax 03 5793 1076.

*Note: A separate clearance is required for each individual area. A clearance for one area does not constitute clearance for any other area.*

2. **Hospital HLS approach and departure procedures**
  - a. Approach path 200DEG. By night approaching abeam a red light turn left towards the HLS. By day turn left as required to reach the HLS.
  - b. Departure path 335DEG. By night turn right to about 020DEG at approximately 100M prior to reaching abeam a red light. By day after departure turn right to about 020DEG for best departure path.
  - c. Approach and departure 131/311DEG. If terrain clearance is required during a CAT A departure turn left about 30 DEG approaching the road.

**CTAF** 121.1

ADDITIONAL INFORMATION

1. PJE OPS HJ from 10,000FT.
2. Cautions:

a. HLS – Puckapunyal Hospital is LCA 3700.2S 14502.9E, 244 DEG MAG 0.67NM FM THR RWY 03, ELEV 528FT. Frequent air ambulance HEL OPS.

b. This aerodrome is not subject to routine serviceability inspection or NOTAM advice of unserviceabilities. Additional aerodrome data is available from the AD OPR or for MIL Aircrew: <http://drnet.defence.gov.au/ARMY/FORCOMD/Headquarters/AviationBranch/AvnAwDir/Pages/OPAW.aspx>

c. Puckapunyal Range Control will be manned by duty personnel who may not necessarily be trained or familiar with ATC or SAR Alerting PROC.

CHARTS RELATED TO THE AERODROME

WAC 3469, 3470.

PUNGALINA

ELEV 80

FULL NOTAM SERVICE NOT AVBL

NT164319S1372524EUTC +9:30YPUG  
VAR 5 DEG EUNCR

AD OPR Pungalina Station, Tennant Creek, NT, 0862. PH 08 8975 8951 or 0418 379 263.

REMARKS

PPR.

HANDLING SERVICES AND FACILITIES

Limited drum fuel available with prior notice.

PHYSICAL CHARACTERISTICS

Strip 09/27. 1,300M hard packed red dirt/gravel.

ATS AND AERODROME COMMUNICATION FACILITIES

FIABRISBANE CENTRE125.7

CTAF 126.7

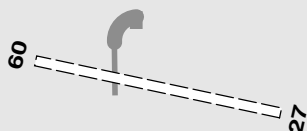
ADDITIONAL INFORMATION

Animal hazard exists.

CHARTS RELATED TO THE AERODROME

WAC 3221.



**QUEENSTOWN****ELEV 867****FULL NOTAM SERVICE NOT AVBL**

TAS 420432S 1453151E UTC +10 VAR 14 DEG E YQNS UNCR  
 AD OPR West Coast Council, PO Box 63, Queenstown, TAS, 7467. PH 03 6471 4700. ARO 0409 481 983. Fax 03 6471 4720.

**REMARKS**

1. Prior permission of the AD OPR REQ for all OPS.
2. Visit West Coast council website for further information regarding airport activities that may affect landing approvals.
3. Night OPS and ACFT above 5,700KG MTOW not permitted without prior approval from the Area Manager, CASA Southern Region Office, Moorabbin.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 123.95 Circuit Area

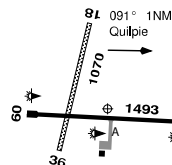
**LOCAL TRAFFIC REGULATIONS**

CAUTION: Abandoned RWY 18/36 only AVBL for taxiing. Not AVBL for any other OPS.

**CTAF** 124.2

**CHARTS RELATED TO THE AERODROME**

WAC 3556.

**QUILPIE****ELEV 655****AVFAX CODE 4107**

QLD 263631S 1441526E UTC +10 YQLP CERT  
 VAR 8 DEG E  
 AD OPR Quilpie Shire Council, 50 Brolga Street, Quilpie, QLD, 4480.  
 Email: admin@quilpie.qld.gov.au. ARO 0419 230 115 (H24).  
 Website: www.quilpie.qld.gov.au.

**REMARKS**

1. YQLP is a public AD.
2. This AD is a Security Controlled Airport.

**HANDLING SERVICES AND FACILITIES**

Quilpie Shire Council. AVGAS and JET A1 bowser AVBL 24HR, credit cards accepted only.  
 CTC Jeremy Grimm 0484 814 801. EMERG: 07 4656 0500, 0419 230 115.

**PASSENGER FACILITIES**

RF/WC/LG

**AERODROME OBSTACLES**

Lit COM TWR, PSN 263711.60S 1441547.21E, APRX 803FT AMSL at BRG 144MAG/0.75NM FM ARP. Infringes inner HZS by APRX 13FT.

**PHYSICAL CHARACTERISTICS**

09/27 086 49a PCN 9 /F /D /860 (125PSI) /U Sealed. WID 30 RWS 90  
 18/36 187 35c Unrated. Red sand clay. WID 30 RWS 90

**AERODROME AND APPROACH LIGHTING**

RWY 09/27 LIRL PAL+AA 120.6 SDBY PWR AVBL  
 RWY 09/27 PTBL BY PRIOR ARRANGEMENT  
 RWY edge light spacing 09/27: 60M.

**OTHER LIGHTING**

1. TWY LGT: Blue edge.
2. SDBY PWR switchover time: 15 SEC.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 118.8 7000FT

LOCAL TRAFFIC REGULATIONS

1. All ACFT below 5,700KG must park on the GA apron area only.
2. ACFT PRKG on the main APN is only for RPT service and larger ACFT with prior permission.

CTAF - AFRU 126.7

ADDITIONAL INFORMATION

Animal hazard exists.

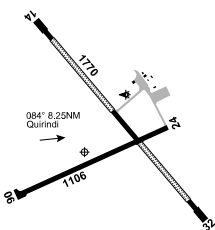
CHARTS RELATED TO THE AERODROME

1. WAC 3341.
2. Also refer to AIP Departure and Approach Procedures.

QUIRINDI

ELEV 1058

AVFAX CODE 2024



NSW  
312955S  
AD OPR Liverpool Plains Shire Council, PO Box 152, Quirindi, NSW, 2343.  
PH 02 6746 1755. Website: [www.liverpoolplains.nsw.gov.au](http://www.liverpoolplains.nsw.gov.au).

1503105E  
VAR 12 DEG E

UTC +10  
YQDI  
CERT

REMARKS

AD Charges: refer to Council's fees and charges on website.

PASSENGER FACILITIES

PT/WC

AERODROME OBSTACLES

Powerlines on APCH at NW end 1,380M FM RWS end.

PHYSICAL CHARACTERISTICS

|       |     |     |                                                                                |        |         |
|-------|-----|-----|--------------------------------------------------------------------------------|--------|---------|
| 06/24 | 054 | 36a | 5700/ Sealed.                                                                  | WID 18 | RWS 90  |
| 14/32 | 128 | 58c | 5700/580 (84PSI) Gravel. 185M FM each<br>RWY end and central 295M sealed only. | WID 30 | RWS 150 |

AERODROME AND APPROACH LIGHTING

RWY 14/32 LIRL PAL+AA 125.3

OTHER LIGHTING

TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA BRISBANE CENTRE 127.1 Circuit Area

LOCAL TRAFFIC REGULATIONS

1. All ACFT movements restricted to designated RWY, TWY and APN only.
2. Light ACFT with tail skid must not taxi on gravel.

CTAF 127.8

ADDITIONAL INFORMATION

1. Bird hazard exists.
2. Loose SFC stones.

CHARTS RELATED TO THE AERODROME

1. WAC 3357.
2. Also refer to AIP Departure and Approach Procedures.

**QUORN**

SA

321912S

AD OPR Flinders Ranges Council, 1 Seventh Street, Quorn, SA, 5433. PH 08 8620 0500.

Mobile 0428 486 031.

**REMARKS**

PPR

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA

MELBOURNE CENTRE

**CTAF** 126.7

**CHARTS RELATED TO THE AERODROME**

WAC 3358, 3459.

**ELEV 831**

**FULL NOTAM SERVICE NOT AVBL**

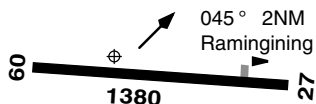
UTC +9:30

VAR 7 DEG E

YQRN

UNCR

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**RAMINGINING****ELEV 216****AVFAX CODE 8052**

NT 122123S 1345351E UTC +9:30 YRNG  
 VAR 3 DEG E CERT  
 AD OPR East Arnhem Regional Council, CMB 10 via  
 Winnellie, NT, 0822. PH 08 8979 7836 AH 0427 755 027.  
 ARO H24 0428 845 969.

**REMARKS**

This AD is a Security Controlled Airport.

**PASSENGER FACILITIES**

Telephone facilities not AVBL.

**AERODROME OBSTACLES**

Trees:

- 294FT AMSL BRG 163 DEG MAG 253M FM ARP. Infringes TNS by 20FT.
- 277FT AMSL BRG 087 DEG MAG 120M FM ARP. Infringes TNS by 14FT.
- 254FT AMSL BRG 270 DEG MAG 1,301M FM ARP. Infringes TNS by 20FT.
- 271FT AMSL BRG 258 DEG MAG 1,135M FM ARP. Infringes TNS by 23FT.

**PHYSICAL CHARACTERISTICS**

09/27 089 45 Unrated. Sealed

WID 18 RWS 90

**AERODROME AND APPROACH LIGHTING**

RWY 09/27 PTBL(1)

BY PRIOR ARRANGEMENT

(1) EMERG use only. IWL and SDBY lighting requires 1HR PN to ARO.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

123.4 Circuit Area

**LOCAL TRAFFIC REGULATIONS**

RWY 09/27 - ACFT to carry out MAX RAD turns on all sealed pavements. 180 DEG turns at RWY ends only.

**CTAF** 127.5

**CHARTS RELATED TO THE AERODROME**

WAC 3109.

**RAVENSTHORPE****ELEV 209****AVFAX CODE 6303**

WA

334750S

1201229E

UTC +8

VAR 0 DEG W

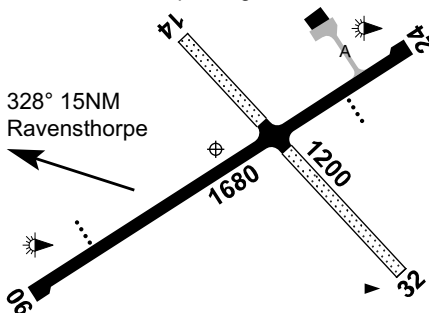
YNRV

CERT

AD OPR Shire of Ravensthorpe, PO Box 43, Ravensthorpe, WA, 6346.

Email: shire@ravensthorpe.wa.gov.au. ARO AH 0427 381 098. Council PH 08 9839 0000.

Fax 08 9838 1282. Website: www.ravensthorpe.wa.gov.au.



REMARKS

1.

AD Charges: RPT, Charter and GA.
2.

This AD is a Security Controlled Airport.
3.

Access to apron is via personnel gate with coded analogue lock (access air side only - exit is via a turn latch). PH AD OPR for code.
4.

Personnel gate must not be secured in open position at any time while unattended.
5.

48HR PPR - CTC ARO.

HANDLING SERVICES AND FACILITIES

Nil fuel AVBL.

PASSENGER FACILITIES

WC (H24). LG only AVBL during scheduled operations.

PHYSICAL CHARACTERISTICS

|       |     |     |                                       |        |         |
|-------|-----|-----|---------------------------------------|--------|---------|
| 06/24 | 059 | 55a | PCN 21 /F /B /1170 (170PSI) /T Sealed | WID 30 | RWS 150 |
| 14/32 | 139 | 39c | PCN 6 /F /B /790 (115PSI) /T Gravel   | WID 30 | RWS 90  |

AERODROME AND APPROACH LIGHTING

|           |         |                |                           |
|-----------|---------|----------------|---------------------------|
| RWY 06/24 | LIRL    | AFRU+PAL 126.7 | SDBY PWR AVBL             |
| RWY 06/24 | PAPI(1) | AFRU+PAL 126.7 | 3.0 DEG42FT SDBY PWR AVBL |

(1) Left side.

1.

RWY edge light spacing: 06/24: 60M.
2.

Manual activation of lighting requires at least 2 HR PN to AD OPR.

OTHER LIGHTING

1.

Secondary PWR switchover time: 15 SEC.
2.

TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

|     |                  |       |
|-----|------------------|-------|
| FIA | MELBOURNE CENTRE | 125.4 |
|-----|------------------|-------|

LOCAL TRAFFIC REGULATIONS

1.

Itinerant PRKG to W end of RPT apron.
2.

RWY 06/24 45 M WID turning nodes at each end.
3.

RWY 06/24: ACFT ABV 5,700KG must use turning nodes for 180 DEG turns.
4.

All ACFT to make MAX RAD turns at MNM speed to avoid SFC damage.
5.

DH8D, E190 and F100 to use outer lead in line.
6.

In the event that emergency ACFT and non-emergency ACFT should find themselves congested, Ravensthorpe ground staff will direct non-emergency ACFT to the gravel PRKG bay, W of the APN. It is under strict site guidelines that non-emergency ACFT stay in the position allocated until emergency ACFT complete their OPS and it is safe to vacate APN.

CTAF - AFRU 126.7

ADDITIONAL INFORMATION

Bird hazard exists in VCY of AD. Flocks of Australian ravens, pink and grey galahs, plovers and black cockatoos.

CHARTS RELATED TO THE AERODROME

1.

WAC 3461.
2.

Also refer to AIP Departure and Approach Procedures.

**RAYNER PLACE HELIPORT****ELEV 1660****FULL NOTAM SERVICE NOT AVBL**

NSW

UTC +10

YRYP

345146S

1485602E

VAR 12 DEG E

UNCR

AD OPR Paul Schofield Aviation, Rayner Place, Yass, NSW, 2582. PH 0418 265 155.

**REMARKS**

PPR for all OPS.

**HANDLING SERVICES AND FACILITIES**

Paul Schofield Aviation - 2200-0700 UTC DLY.

**METEOROLOGICAL INFORMATION PROVIDED**

AWIS FREQ 123.65 (requires three one-second pulses to activate) - Report faults to AD OPR.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE

124.1 In circuit area

**LOCAL TRAFFIC REGULATIONS**

1. APCH/DEP OPS when possible to and FM the SE.
2. Keep well clear of all houses to the W of heliport.

**CTAF** 126.7**CHARTS RELATED TO THE AERODROME**

WAC 3456.

**RAYWOOD****ELEV 450****FULL NOTAM SERVICE NOT AVBL**

VIC

UTC +10

YRYW

363230S

1441428E

VAR 11 DEG E

UNCR

AD OPR Bendigo Gliding Club Inc, PO Box 846, Bendigo, VIC, 3552.

Email: [secretary@bendigogliding.org.au](mailto:secretary@bendigogliding.org.au). PH 0492 923 215.Website: [www.bendigogliding.org.au](http://www.bendigogliding.org.au).**REMARKS**

1. PPR.
2. Aerotow and winch launching OPS.
3. Gliding OPS HJ DLY.

**HANDLING SERVICES AND FACILITIES**

Nil fuel AVBL.

**PHYSICAL CHARACTERISTICS**

09/27 30c Unrated. Grass. RWY LEN 900M.

WID 90

18/36 43c Unrated. Grass. RWY LEN 1,300M.

WID 90

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE

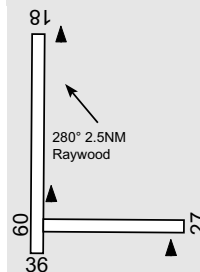
126.8

**FLIGHT PROCEDURES**

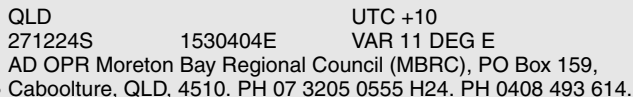
1. Gliders and tugs may fly contra CCTS.
2. Gliders and tugs normally operate inside and below standard 1000FT circuit.
3. RWY 09 not available if gliders launching on RWY 36.
4. RWY 36 not available if gliders launching on RWY 09.

**CTAF** 119.3**CHARTS RELATED TO THE AERODROME**

WAC 3469 and 3470.



**ELEV 7**



1. All ACFT engaged in commercial OPR (including FTO) PPR from the AD OPR.
2. Limited ACFT parking AVBL. Contact ARO prior to visit.
3. AD limited to ACFT up to 5,700KG MTOW.
4. AD Charges: contact AD or see website for schedule of ACFT charges.

BP: 2200-0700 UTC JO, AH 1 HR PN. Phone 07 3203 0560. AVGAS, O117, O125. AIR BP Carnet  
Cardswipe bowser H24.

RF/WC/ME.

|       |     |    |                                                  |        |
|-------|-----|----|--------------------------------------------------|--------|
| 07/25 | 066 | 28 | PCN 4 /F /B /690 (100PSI) /U RWY LEN 853M.WID 18 | RWS 90 |
|-------|-----|----|--------------------------------------------------|--------|

RWY 07/25      LIRL      PAL+AA 122.8

|     |                 |                 |
|-----|-----------------|-----------------|
| FIA | BRISBANE CENTRE | 125.7 On Ground |
|-----|-----------------|-----------------|

1. All ACFT DEP other than "touch and go" OPS are to commence TKOF roll FM the start of the RWY if operationally expedient.
2. TKOF on RWY 07 except when operationally unacceptable.
3. All pilots should be considerate of ground OPS and avoid manoeuvring BTN hangars where possible or signed.
4. Carriage and use of radio is required by AD OPR.

1. Right hand circuits RQ on RWY 25.
2. CCTS for YRED resident ACFT and HEL permitted BTN 0700-2030 Local MON-SAT and 0700-1800 Local SUN.
3. CCTS for non-resident ACFT and HEL only with prior permission FM the AD OPR BTN 0700-1800 Local.
4. No 'straight in' approaches permitted.
5. To the extent practical, circuit heights should be 1,000FT to avoid conflict with the overlying controlled airspace with a base of 1,500FT.

CTAF 127.15

1. Residential areas are to be avoided at all times.
2. OPS not permitted BTN 2200-0600 Local.
3. HEL OPS not to be conducted at the W end of the AD - MBRC aerial mosquito treatment programme is exempt.

1. CAUTION: Bird and animal hazard exists. Contact AD OPR for more information.
2. Training and circuits conducted frequently.
3. Aerodrome users are advised that MBRC Local Law 4 applies for on ground activities.

WAC 3340.



**RENMARK****ELEV 115****AVFAX CODE 5012**

SA

341147S

1404026E

UTC +9:30

VAR 9 DEG E

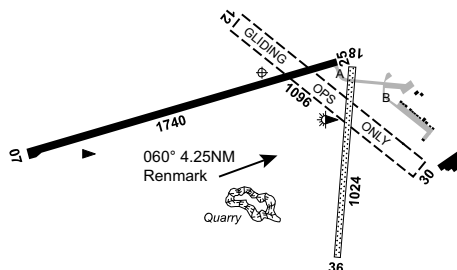
YREN

CERT

AD OPR Renmark Paringa Council, PO Box 730, Renmark, SA, 5341.

Email: council@renmarkparinga.sa.gov.au. PH 08 8580 3000. PH AH 0438 866 564.

Fax 8580 3030.

**REMARKS**Landing fees apply see: [www.renmarkparinga.sa.gov.au](http://www.renmarkparinga.sa.gov.au) (council fees and charges).**HANDLING SERVICES AND FACILITIES**

Flying Fuels: AVGAS100 and JET A1. 24HR. Credit card swipe bowzers. PH 0412 602 447.

**PASSENGER FACILITIES**

WC (Plus Showers)

**AERODROME OBSTACLES**

1. Mast lit and painted - 479FT AMSL (301FT AGL), 209DEG M/2.4NM (4,500M), FM ARP. Infringes HZS.
2. Mast lit and painted - 715FT AMSL (567FT AGL), 238DEG M/7.6NM (14.2KM) FM ARP.
3. Mast unlit and unmarked, 493FT AMSL (329FT AGL), 5NM (9,200M), 206DEG M FM ARP.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT D, METAR/SPECI.
2. AWIS PH 08 8150 3817 - Report faults to BoM.
3. AWIS FREQ 128.35 (requires one-second pulse to activate) - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

07/25 065 57a PCN 6 /F /B /820 (119PSI) /U

WID 30 RWS 90

18/36 176 34c Natural. Gravel

WID 30 RWS 90

**AERODROME AND APPROACH LIGHTING**

RWY 07/25 LIRL PAL 122.3

RWY 07/25 PTBL(1)

BY PRIOR ARRANGEMENT

(1) EMERG only.

RWY edge light spacing: 07/25: 90M.

**OTHER LIGHTING**

TWY LGT: Blue edge on A.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE

124.3 On Ground

**LOCAL TRAFFIC REGULATIONS**

1. All ACFT to carry out MAX RAD turns on bitumen SFC.
2. Gliders OPS WI marked gliding strips and RWS 18/36.

**CTAF** 126.7**ADDITIONAL INFORMATION**

Kangaroos in VCY of AD.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3458.
2. Also refer to AIP Departure & Approach Procedures.

**RICHMOND (NSW)****ELEV 67****AVFAX CODE 2004**

NSW

333602S

1504651E

UTC +10

VAR 12 DEG E

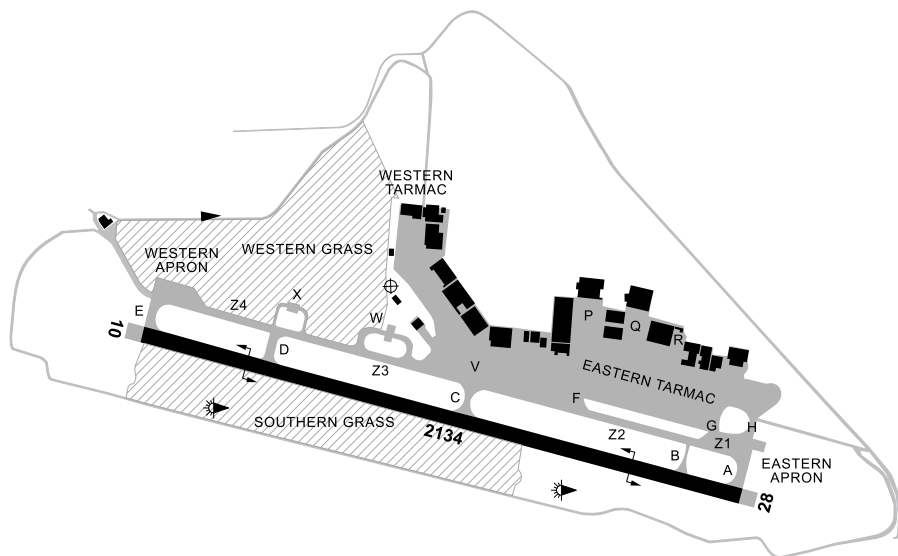
YSRI

MIL

AD OPR RAAF, Airbase Operations Centre - RAAF Base, Richmond, NSW, 2755.

Email: ric.aboc@defence.gov.au cc ric.atc@defence.gov.au. PH 02 4587 2888,

CS RICCOM 261.7 MHz.

**REMARKS**

1. 24HR PN. CTC RIC TWR on either: ric.atc@defence.gov.au or ric.aboc@defence.gov.au or 02 4587 1201 for notification of AH movements.
2. Air Base Operations Centre HR: 2100-1300 UTC JO and 2130-0530 UTC JF (1 hour earlier during HDS) OT CTC Duty Member 0409 650 341.
3. PPR for civil ACFT OPS. RAAF approval number to be quoted in FPL RMK.

**HANDLING SERVICES AND FACILITIES**

F34 O128 O133 O135 O142 H515 H576 H578 S737 S738 S747 SKD5 MMX45 WTA HPOX LHOX LOX LPOX. Other services AVBL are: E5 E6 E10 E11 E12 E13 E14 A1.

Movements section: Aviation fuel services and MIL ACFT handling services RQ 24HR PN for non-scheduled and AH services. Alternate CTC: Duty Air Movements Officer 0408 481 655 or RIC22SQNAMS.OPS@defence.gov.au

Regular MIL handling services (duty crew, GSE, stairs, cargo, PAX etc.) AVBL BTN 2130-0930 UTC DLY (1HR earlier during HDS). CTC RIC ABOC 02 4587 2888, 1300 333 362 or ric.aboc@defence.gov.au

**Fuel**

1. Regular aviation fuel service AVBL 2130-1100 UTC DLY (1HR earlier during HDS).
2. Refuelling by tanker only (in-ground refuelling not AVBL)- EXP delays.
3. CTC Duty Aviation Fuel Operator 0417 274 704 or UHF channel 8.

**General**

1. CUST, IMG and Biosecurity RQ 48HR PN for any service.
2. Regular MIL handling services (Duty crew, GSE, Stairs, Cargo, PAX etc.) AVBL BTN 2130-0930 UTC DLY (1HR earlier during HDS). CTC RIC ABOC 02 4587 2888, 1300 333 362 or ric.aboc@defence.gov.au.
3. Movement sections (CS "Movements Richmond" 361.6, 15MIN prior to ARR) HS, Check NOTAMs or UHF channel 11.
4. ACFT potable water SER not AVBL.

**RESCUE AND FIREFIGHTING SERVICES**

1. CAT 6: 2100-1300 UTC DLY (1HR earlier during HDS). CAT 4: OT.
2. ARFF vehicles carry water and foam but no significant quantities of complementary agents recommended by ICAO.

**APRONS AND TAXIWAYS**

1. Permanent pavement concessions KC10/C5/C17 ACFT. (See FIHA AD 1).
2. TWY B not AVBL to ACFT ABV 20,000KG - unlit.
3. APN areas infringe Z2 and Z3 TWY strip for Code E ACFT with wingspan of 52M (170.6FT) or greater. Code E and higher ACFT taxi via RWY to avoid Z2 and Z3.
4. APN TWY do not provide RQ OBST CLR for code D ACFT and ABV (wingspan 36M and greater).
5. TWY D. The TWY D/TWY Z intersection does not have TWY guideline markings or centre line lighting to facilitate a left turn from TWY D onto TWY Z4 and vice versa.
6. TWY F. Only C130, P3, C27J and other ACFT MTOW 7,000KG or less may enter the Eastern Tarmac via TWY F.
7. TWY G. When APN PRKG position 12 is occupied TWY G affords inadequate wingtip clearance to Code E ACFT (wingspan 52M or greater). Do not use.
8. TWY H. Code E ACFT proceeding to position 2/3 shall use TWY A and H.
9. TWY X PCN 14.

**AERODROME OBSTACLES**

1. GP Antenna 50FT AGL S of RWY, 305M FM THR RWY 28, offset 115M FM CL. Infringes TNS.
2. Six PERM tower cranes centred on PSN BRG 228 DEG MAG 1.9NM FM THR RWY 10. The radius of the six towers about this point is 210M. MAX HGT of the six tower cranes is 43M (141FT), MAX ELEV AMSL 65.8M (216FT). Infringes inner HZS.
3. NBN tower 132FT AGL (880FT AMSL) PSN BRG 289 DEG MAG 7.8NM FM ARP. Infringes OLS.
4. Lighting mast 102FT AMSL BRG 193 DEG MAG 527M FM ARP (southern grass). Infringes OLS.
5. TACAN marked and lit 92FT AMSL BRG 078 DEG MAG 527M FM THR RWY 28.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT A, METAR/SPECI, AD WRNG.
2. AWIS Phone 02 9353 6448 - Report faults to BoM.
3. AWIS FREQ 126.3 and 274.55 AVBL outside TWR HR - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

- 10/28            095   70a   PCN 47 /F /C /1750 (254PSI) /T                            WID 45    RWS 154
1.       91M (300FT) concrete ends. Distance to Run Marker Boards each RWY.
2.       RWY 10/28 bitumen surface grooved. 180 DEG turns should be done wherever possible on the concrete THR for all ACFT. If a 180 DEG turn is RQ on the bitumen SFC, turns should be at MAX radius possible and locked wheel turns are not permitted.

ARRESTING GEAR

|        |             |       |             |        |
|--------|-------------|-------|-------------|--------|
| RWY 10 | BAK 12/14   | ----- | BAK 12/14   | RWY 28 |
|        | (R)(B)      |       | (R)(B)      |        |
|        | 374 (1,226) |       | 374 (1,226) |        |

Recessed bi-directional BAK 12/14 hookcables INSTL 374M (1,226FT) FM THR RWY 10/28. Marked by dayglo orange disks. DIST BTN cables 1,386M (4,547FT). NML OPR PSN: arrestable ACFT OPR - DEP end up, APCH end - down, no arrestable ACFT OPR or outside TWR HR - both ends down. No crossing restriction in down PSN. In the event of a PWR failure, cables will rise to a HGT of 10CM until PWR restored - recommend ACFT not approved to trample hookcables OPR BTN cables during CTAF HR. CONC absorber housing 1FT high ADJ RWY edge.

AERODROME AND APPROACH LIGHTING

|           |            |                |             |                      |
|-----------|------------|----------------|-------------|----------------------|
| RWY 10/28 | HIRL       | AFRU+PAL 135.5 |             | SDBY PWR AVBL        |
| RWY 10/28 | PTBL(1)    |                |             | BY PRIOR ARRANGEMENT |
| RWY 10    | PAPI       | AFRU+PAL 135.5 | 3.0 DEG47FT | SDBY PWR AVBL        |
| RWY 28    | HIAL-CAT I | AFRU+PAL 135.5 |             | SDBY PWR AVBL        |
| RWY 28    | PAPI       | AFRU+PAL 135.5 | 3.0 DEG48FT | SDBY PWR AVBL        |
| RWY 28    | SFL        | AFRU+PAL 135.5 |             | SDBY PWR AVBL        |

- (1)    15MIN PN
1.       **ALS type and length**
- a.    RWY 28 - distance coded CL: 902M.
2.       AFRU+PAL AVBL during CTAF HR.
3.       Fixed LGT INTST settings when PAL in use. Fixed LGT INTST settings may RQ increased ILS LDG VIS minima.
- a.    PAL day mode LGT INTST PAPI stage 6, HIRL/HIAL/SFL/TWY off.
- b.    PAL evening mode LGT INTST PAPI/HIRL/HIAL stage 4, SFL/TWY stage 2.
- c.    PAL night mode LGT INTST HIRL/HIAL/PAPI stage 2, SFL off, TWY stage 1.
- d.    Modes are based on automatic sensors and may not coincide with first/last light.
4.       For manual activation of AD LGT in event of PAL failure CTC 'RICHMOND BASE FIRE' FREQ 135.5 and REQ 'PAL OVERRIDE'.
5.       RWY 10/28 no RWY CL LGT INSTL.

ATS AND AERODROME COMMUNICATION FACILITIES

|      |                                |                   |
|------|--------------------------------|-------------------|
| FIA  | SYDNEY CENTRE                  | 124.55 On Ground  |
| APP  | SYDNEY APPROACH            (1) | 135.9 363.8P      |
| ATIS | RICHMOND                       | 126.3 274.55      |
| SMC  | RICHMOND GROUND                | 128.25            |
| SMCV | RICHMOND GROUND                | 121.65            |
| TWR  | RICHMOND TOWER                 | 135.5 243.0 257.3 |

- (1)    R469 and R470 ABV 1500FT and R494.
1.       TWR HR: 2200-1300 UTC MON-THU (1HR earlier during HDS), 2200-0830 UTC FRI-SUN and PH. 0830-1300 UTC O/R (1HR earlier during HDS) 24HR PN.
2.       EMERG FREQ, guarded, MNT by RI TWR when active.
3.       ATIS BCST on 126.3 and 274.55 DRG ATS HR. AWIS OT. ATIS/AWIS AVBL phone ATIS 02 4587 2589; AWIS 02 9353 6448.
4.       Retransmit BTN FREQ: 135.5 and 257.3; 128.25 and 121.65 DRG ATS HR.

**RADIO NAVIGATION AND LANDING AIDS**

|     |     |                    |           |            |                      |
|-----|-----|--------------------|-----------|------------|----------------------|
| DME | IRI | 111.9/ 56X (RWY28) | 333626.9S | 1504723.3E | (5)                  |
| GP  | IRI | 331.1 (RWY28)      | 333626.9S | 1504723.3E | (4)                  |
| ILS | IRI | 111.9 (RWY28)      | 333601.8S | 1504600.8E | (3)                  |
| LOC | IRI | 111.9 (RWY28)      | 333601.8S | 1504600.8E |                      |
| NDB | RIC | 347                | 333549.0S | 1504635.0E | Range 80 (HN 60) (1) |
| TAC | RIC | 110.7/ 44X         | 333626.2S | 1504756.1E | (2)                  |

- (1) Restricted WI the sector 210DEG through N to 050DEG BLW 5000FT beyond 10NM due to possible excessive BRG fluctuations.
- (2) RESTRICTION: Terrain shielding BLW 4,000FT beyond 25NM and BLW 7,500FT beyond 40NM in the sector 260 to 355 - TACAN check boards: RWY 28, 270/0.3: RWY 10, 275/1.4.
- (3) ILS critical areas not protected outside TWR hours.
- (4) Restriction: Use within 7DEG of CL.
- (5) Antenna ELEV 50FT.
1. All NAV AID except NDB Pilot MNT outside TWR HR.
2. Radar coverage UNREL BLW 2000FT W and NW of RI.

**LOCAL TRAFFIC REGULATIONS**

1. RWY 28 is the preferred RWY at Richmond.
2. Parking position advice will be passed to ARR ACFT by RI SMC during ATC hours. Outside ATC hours aircraft are to proceed to pre-coordinated parking area or taxi for parking position 5 and look out for AMS marshaller in that vicinity.
3. PRKG position 29 not AVBL due OBST.
4. PRKG positions 20 to 31 not AVBL for HVY wake turbulence ACFT EXC with YSRI approved marshaller.
5. ACFT DEP for SY, NAV aid training SY or AWK WI S SY TMA, RQ start approval.
6. ACFT RQ pushback, prior to taxi, are to advise SMC.
7. ACFT on INSTR FNA TR are to display LDG LGT and strobes in visual COND.
8. INSTR APCH TRAINING SUBJ ATC approval under the FLW COND:
  - a. CIV ACFT: Do not phone Richmond TWR requesting availability of instrument APCH training.
  - b. MIL ACFT priority.
  - c. FPL with AMDT for DEP DLA greater than 30 MIN RQ.
  - d. YSRI NOTAM RQ.
  - e. LDG and strobe LGT must be displayed on FNA TR when in visual COND.
  - f. ATC may RQ DLA/HLDG prior to APCH.
  - g. ATC may RQ full stop LDG, touch and go or HLDG in circuit prior to DEP. Full stop LDG, touch and go not AVBL to civil aircraft (RRFC and RRGc excepted) outside TWR HR.
9. DEP RTE RESTR (refer ERSA GEN Route Flight Planning Requirements).
10. Low initial/flypasts, low passes and unusual manoeuvres. The low initial run in shall be to the northern side of RWY 10/28.
11. ACFT REQ transit of R469/R470/R494 should submit FPL. Transit SUBJ DLA due MIL OPS.
12. ACFT conducting airwork within R469 and/or R470 (e.g. circuits, MIL INSTR APCH training, local training area, drop zone OPS and survey) are to book via: [www.raaf.bookaw.com](http://www.raaf.bookaw.com). Bookings are not AVBL for civil INSTR APCH training, except on an ad hoc basis and SUBJ to conditions in para 9. All survey requests are to contact Richmond Tower prior to becoming airborne for briefing and approval.
13. Where the requirement for special VFR exists (*AIP ENR 1.2*) Special VFR clearances may be issued WI R469, R470 and R494.

**14. RICHMOND FLYING CLUB**

- a. ACFT may operate in the circuit or training areas in R470 (NTA and STA is defined in *FIHA AD2 SUPP YSRI*) subject to ATC priorities, military operations and other traffic.
- b. ACFT must have serviceable VHF radio. CTAF procedures apply outside TWR HR.
- c. ACFT shall remain above 400FT AGL and will not overfly houses, buildings or livestock during:
  - (i) Practice forced landing training.
  - (ii) Practise engine failure after take-off training.
- d. No circuit or INSTR APCH training prior to 0700 Local without prior approval from ABOC.
- e. No circuit or INSTR APCH training after 2300 Local (1HR earlier during HDS).

**15. RICHMOND GLIDING CLUB**

- a. Gliders may OPR in the circuit or training areas in R470 (NTA and STA is defined in *FIHA AD2 SUPP YSRI*) subject to ATC priorities, military operations and other traffic.
- b. Gliders must have serviceable VHF radio. CTAF procedures apply outside TWR HR.
- c. Ground duty pilot must maintain radio contact with ATC using CS 'Glider Ground'.
- d. Ground duty pilot is responsible for all communications regarding ground handling purposes.
- e. Airways clearances are required by both the tug pilot and glider pilot.
- f. Airways clearances are to be read back by both the tug pilot and glider pilot in sequence.
- g. Tug pilot shall advise ATC when 'ready' and a separate take-off clearance shall be issued by ATC.
- h. Tug pilot shall advise ATC when glider is released and REQ tracking to preferred landing area.
- i. Practise cable breaks to occur during TWR HR only and to be requested to ATC prior to launch.
- j. Gliders within the Training Areas shall make the following reports:
  - (i) CS 'OPS NORMAL' – on the hour and on the half hour
  - (ii) CS 'leaving XXX FT' – level AMSL when on descent and intending to return for landing.
  - (iii) CS 'downwind + landing area' – between 500-800FT AMSL abeam the intended landing point.
- k. Gliders shall use Southern Grass or RWY 10/28. Western Grass is also available for first launch and last landing or other times subject to ATC approval. Duty instructor shall determine suitability of grass areas, including inspection and familiarisation with obstacles within grass areas.
- l. Only one non-power glider may be airborne and OPR to RWY 10/28 when both grass areas are deemed unserviceable.
- m. When operating from Western Grass:
  - (i) Gliders shall not overfly other ACFT or vehicles at YSRI
  - (ii) Tug and gliders shall ensure tug rope avoids damage to infrastructure such as the Birdbath, AWIS instruments and elevated aerodrome lighting such as the RWY and APN lights.
- n. When operating during CTAF:
  - (i) A launch marshal shall be positioned close to TWY Z. Marshal shall ensure no conflict with other airborne or taxiing aircraft or vehicles.
  - (ii) The tug pilot or powered glider pilot shall negotiate airspace with other YSRI traffic, and receive clearance from the launch marshal and the wing runners, prior to launch.

## FLIGHT PROCEDURES

1. **GENERAL AVIATION ROUTE THROUGH RICHMOND TERMINAL AIRSPACE**
  - a. Applicable during TWR HR. Refer ATS Communications section and NOTAM.
  - b. Expect to transit GA RTE at A015.
  - c. Routes (marked on VTC):
  - d. **Northbound:**
    - (i) At the 'NEPEAN BRIDGE' (NPBR) contact Richmond Tower on 135.5 for airways clearance.
    - (ii) Only when in receipt of a clearance, enter R470 tracking north via the main powerlines.
    - (iii) Report at 'KURMOND' (KRMD); the intersection of the main north/south powerlines and the Bells Line of Road, with an EST for 'WISEMANS FERRY' (WSFR).
    - (iv) Thence TR 043 DEG MAG to WSFR.
  - e. **Southbound:**
    - (i) At 'WISEMANS FERRY' (WSFR) contact Richmond Tower on 135.5 for airways clearance.
    - (ii) Only when in receipt of a clearance, enter R469/R470 and advise EST for KRMD.
    - (iii) TR 223 DEG MAG to KRMD; the intersection of the main north/south powerlines and the Bells Line of Road.
    - (iv) Report at KRMD then TR S via the powerlines to 'NEPEAN BRIDGE' (NPBR).
2. RWY visibility assessments may not be AVBL during low visibility procedures.
3. The activation of restricted airspace R560A-B and R570A-H affects routes to/from YSRI. Refer *GEN-FPR paragraph 1.4 Richmond Departures*, and check airspace status WWX (Williamstown) prior to FLT planning.
4. **UNMANNED AIRCRAFT OPERATIONS (INCLUDING RPAS)**
  - a. All operators must hold the appropriate certifications endorsed by CASA.
  - b. Requests for approval must be sent with all essential information at least 48 hours prior to commencement time.
  - c. A NOTAM will be raised for RPAS operations within 6NM YSRI.
  - d. Contact the airspace arbiter via email [ric.atc@defence.gov.au](mailto:ric.atc@defence.gov.au).
  - e. Approval remains at the discretion of the airspace arbiter.
5. Richmond circuit area defined as 6NM radius of Richmond ARP, SFC to 1,500FT AMSL. Standard circuit direction is left. All 'low level' circuits shall be conducted to the north and require ATC approval.
6. Outside TWR HR ACFT planning to enter CTA IMT after DEP, CTC Sydney Centre 124.55 MHz prior to ENG start to REQ AWY CLR.
7. ACFT with EMERG CTC RFFS CS "Richmond Base Fire" FREQ 135.5 MHz. Civil aircraft with declared emergency that have not previously coordinated to land at RIC should vacate onto TWY Charlie if able, shut down and wait for military escort.
8. The initial points are 5NM downwind of active RWY, displaced deadside, left pitch/circuit.

### CTAF - AFRU 135.5

Outside TWR HR.

## NOISE ABATEMENT PROCEDURES

All ACFT EXC those OPR via SID are to comply with the FLW PROC:

1. Do not turn before DER.
  - a. Visual DEP RWY 10 - to avoid Windsor township, MNTN RWY track 095 MAG. At 1,000FT adopt DEP instructions;
  - b. Visual DEP RWY 28 - to avoid Richmond township, turn right track 285 MAG. At 1,000FT adopt DEP instructions.
2. HEL ARR FM S are to remain visually CLR of the racecourse and associated stables.
3. To avoid stud farm and Hawkesbury University, ACFT are not to fly BLW 1,000FT AGL, EXC in EMERG when OPR WI 1NM S of RWY 10/28.
4. All low LVL CCTS to be conducted to the N.

WID 30      RWS 150



**AERODROME AND APPROACH LIGHTING**

RWY 09/27 LIRL AFRU+PAL 126.7

SDBY PWR AVBL

**OTHER LIGHTING**

1. Secondary PWR switchover time: 15 SEC.
2. TWY LGT: Blue Edge.
3. RWY 09/27 edge light spacing: 60M.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 123.95 3500FT

**CTAF - AFRU** 126.7**CHARTS RELATED TO THE AERODROME**

1. WAC 3233.
2. Also refer to AIP Departure and Approach Procedures.

**RIDDELL****ELEV 1150****FULL NOTAM SERVICE NOT AVBL**

|         |          |              |      |
|---------|----------|--------------|------|
| VIC     |          | UTC +10      | YRID |
| 372848S | 1444306E | VAR 11 DEG E | UNCR |

AD OPR Riddell Airfield Pty Ltd, PO Box 164, Riddell's Creek, VIC, 3431. PH 0402 042 015:  
0417 056 582.

**REMARKS**

1. PPR.
2. Charges apply.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 135.7 On Ground

**LOCAL TRAFFIC REGULATIONS**

No precautionary search or engine failure training permitted.

**FLIGHT PROCEDURES**

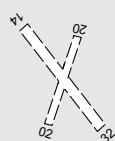
1. No straight in approaches permitted for any RWY.
2. Subject to operational requirements, pilots are to adopt appropriate PWR settings for TKOF, CCTS and landings to minimise noise levels.
3. A limit of six consecutive CCTS for any ACFT within any three hour period. A limit of three ACFT within the circuit at any one time.
4. All CCTS to the east.

**CTAF** 121.6**ADDITIONAL INFORMATION**

1. Animal hazard and windshear may exist.
2. PH to confirm grass RWY serviceability.

**CHARTS RELATED TO THE AERODROME**

WAC 3469, 3470.

**ROBE****ELEV 6****AVFAX CODE 5010****FULL NOTAM SERVICE NOT AVBL**

|         |          |             |      |
|---------|----------|-------------|------|
| SA      |          | UTC +9:30   | YRBE |
| 371035S | 1394816E | VAR 9 DEG E | UNCR |

AD OPR District Council of Robe, PO Box 1, Robe, SA, 5276.

Council PH 08 8766 2003: 0419 009 442. Website: [www.council.robe.sa.gov.au](http://www.council.robe.sa.gov.au).**PASSENGER FACILITIES**

AC 08 8768 2465

**AERODROME OBSTACLES**

1. Overhead powerline 49 FT AGL 204DEG MAG 300M FM THR RWY 02.
2. Lit TWR 190FT AMSL 304DEG MAG 1,170M FM THR RWY 14.

**METEOROLOGICAL INFORMATION PROVIDED**

METAR/SPECI.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 125.8

CTAF 126.7

**ADDITIONAL INFORMATION**

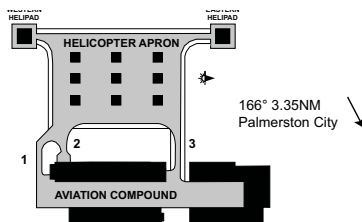
1. Vintage ACFT OPR.
2. Bird hazard exists.

**CHARTS RELATED TO THE AERODROME**

WAC 3469.

**ROBERTSON BARRACKS****ELEV 105****AVFAX CODE 8015**

NT UTC +9:30 YRBK  
122530S 1305824E VAR 3 DEG E MIL  
AD OPR 1st Aviation Regiment, Robertson Barracks, Shoal Bay, NT, 0830. PH 08 8925 1071.  
Mobile 0438 719 805.

**REMARKS**

1. This is a security controlled enclosure.
2. PPR.
3. Less than 500FT clearances exist BTN terrain and CTA lower limit.
4. HEL OPS that will exceed PCN limits are to seek Pavement concessions FM Defence Support Group.

**AERODROME OBSTACLES**

1. Tower 120FT AGL on SE and SW corners of apron - LIOL.
2. Numerous masts within 1NM to W of HLS up to 150FT AGL - Unlit.
3. Mast 0.75NM to NNW 545FT AMSL - Lit.
4. Perimeter fence (9FT) located APRX 15M FM Final Approach Take-off (FATO) path at the Eastern and Western Helipads.

**PHYSICAL CHARACTERISTICS**

PCN 7/F/A/1,000(145PSI)/T.

**AERODROME AND APPROACH LIGHTING**

1. HLS and APN lighting on request - PTBL AVBL.
2. PRKG pad LGT permanently disabled.
3. Eastern and western Touchdown and Lift Off area (TLOF) lights white (until rectified to green).

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 118.15 Circuit area

**LOCAL TRAFFIC REGULATIONS**

1. APCH and DEP FM marked HLS pads only.
2. DEP OCTA towards east gate position 3NM E of HLS.
3. ARR OCTA FM SE sector and join downwind or straight in.
4. Avoid hover taxi on APN where possible.
5. Parking PSN 1-9 are LTD to ARH Tiger parking only due to length. All HEL OPS exceeding MAX length of 16.3M to CTC Defence Support Group for bay allocation prior to ARR.

**CTAF 126.6****NOISE ABATEMENT PROCEDURES**

1. Noise sensitive area 4NM to SE.
2. Avoid flight over accommodation areas and hospital buildings on RBKS.

**ADDITIONAL INFORMATION**

1. Blasting at quarry site 1.5NM SE - NIL NOTAM.
2. ACFT conduct LL circuits day and night using light enhancing devices (NVD).
3. Visiting ACFT will be advised of the common MIL FREQ.
4. Refer to AIP Darwin VTC for OBST and restricted areas.
5. Expect LL helicopters ARR and DEP FM YPDN.

**CHARTS RELATED TO THE AERODROME**

WAC 3109.

**ROBINHOOD****ELEV 1509****FULL NOTAM SERVICE NOT AVBL**


QLD  
185055S                      1434240E  
AD OPR Robinhood Cattle Co, PMB 26, Cairns, QLD, 4870. PH 07 4062 5305.

UTC +10  
VAR 7 DEG E

YROB  
UNCR

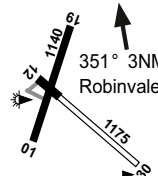
**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA            BRISBANE CENTRE

119.8 Circuit Area

**CTAF 126.7****CHARTS RELATED TO THE AERODROME**

WAC 3220.

**ROBINVALE****ELEV 284****AVFAX CODE 3037**


VIC  
343902S                      1424658E  
AD OPR Swan Hill Rural City Council, PO Box 488, Swan Hill, VIC, 3585.  
Email: [council@swanhill.vic.gov.au](mailto:council@swanhill.vic.gov.au). PH 03 5036 2333 (BH only).  
ARO 0409 706 466; 0407 505 607. Fax 03 5036 2340 (BH only).  
Website: [www.swanhill.vic.gov.au](http://www.swanhill.vic.gov.au).

UTC +10  
VAR 10 DEG E

YROI  
CERT

**REMARKS**

1. AD charges: All ACFT refer to website for terms of use.
2. PPR FM AD OPR for pavement concessions and RPT OPS.
3. Night curfew for circuit training between 2200-0700 Local.

**HANDLING SERVICES AND FACILITIES**

AVGAS in drums AVBL. 72HR PN PH 03 5026 3539 during business hours only.

*Note: Fuel is not stored at the aerodrome.***AERODROME OBSTACLES**

TWR 405FT AMSL 2100 SSE of ARP.

**PHYSICAL CHARACTERISTICS**

|       |     |     |                                  |        |        |
|-------|-----|-----|----------------------------------|--------|--------|
| 01/19 | 019 | 37a | PCN 8 /F /A /600 (87PSI) /U      | WID 18 | RWS 90 |
| 12/30 | 124 | 39c | 5700/450 (65PSI) Grass sand silt | WID 30 | RWS 90 |

AERODROME AND APPROACH LIGHTING

RWY 01/19LIRLPAL 122.3

RWY 01/19PTBL(1)

RWY 12/30PTBL(1)BY PRIOR ARRANGEMENT

(1)EMERG ONLY - Phone 0409 706 466

ATS AND AERODROME COMMUNICATION FACILITIES

FIAMELBOURNE CENTRE

122.1 Circuit Area

CTAF 126.7

ADDITIONAL INFORMATION

Bird and animal hazard exists.

CHARTS RELATED TO THE AERODROME

WAC 3458.

ROCHEDALE

ELEV 240

FULL NOTAM SERVICE NOT AVBL

QLDUTC +10YRCD

273444S1530751EVAR 11 DEG EUNCR

AD OPR John Bell Transport Repair, 72 Shettleston St, Rocklea, QLD, 4106. PH 07 3277 7677.

PH 07 3277 1626.

REMARKS

AD charges: Nil. Private use HLS AVBL for EMERG Services. All other HEL EMERG only.

HANDLING SERVICES AND FACILITIES

Nil fuel AVBL.

PHYSICAL CHARACTERISTICS

The HLS is situated on an escarpment on the E side of the large Owner's house and is a "one way" HLS. No approaches are to be made from the W. Touchdown and Liftoff (TLOF) with Aiming Point 15M x 15M concrete pad enclosed within 22M diameter concrete FATO, with surrounding grass Safety Area 35M in diameter. Parking on TLOF only.

AERODROME AND APPROACH LIGHTING

Solar lighting installed for: lead in centreline lights, FATO, TLOF, aiming point and windsock.

ATS AND AERODROME COMMUNICATION FACILITIES

FIABRISBANE CENTRE

125.7 If operating to the EAST and SOUTH

FLIGHT PROCEDURES

1. Approach and departures from/to E only (one way) on a centre line parallel to the property boundary 266/086 DEG M. Approaches to commence over the quarry 0.7NM E not below 1,000FT. Departures are aligned to the centreline of the property to the quarry before any turns are made. Do not approach or depart over neighbouring properties.
2. If operating to the W, comply with Archerfield procedures.
3. Archerfield Inbound Reporting Point TARGET is 2NM S.
4. DO NOT overfly the residential areas to the W below 1,000FT. Approaches or departures are not possible from/to the W.

CTAF 126.7

CHARTS RELATED TO THE AERODROME

WAC 3340.

**ROCKHAMPTON****ELEV 36****AVFAX CODE 4024**

QLD

UTC +10

YBRK

232255S

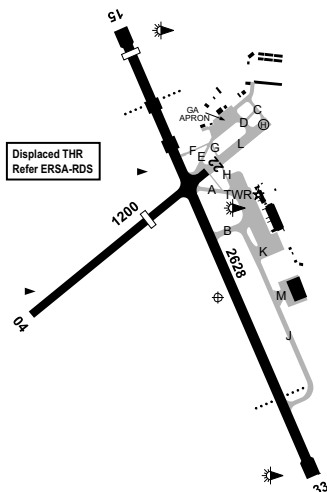
1502831E

VAR 9 DEG E

CERT

AD OPR Manager, Rockhampton Airport, Rockhampton Regional Council, PO Box 1860,  
Rockhampton, QLD, 4700. ARO 24HR Duty ARO 0409 368 314: 0448 619 596.

Council PH 07 4936 8018. Website: [www.rockhamptonairport.com.au](http://www.rockhamptonairport.com.au).

**REMARKS**

- AD Charges: Current schedule of fees and conditions of use can be obtained FM AD OPR or website.
- Customs AD by prior approval for each flight.
- This AD is a Security Controlled Airport.
- For airside access CTC AD OPR. OPR hours 0500-2000 Local. Call-out fee will apply AH.

**HANDLING SERVICES AND FACILITIES**

Ampol: L. D and H. M. Day: 2000-0800 UTC DLY, AH 1 HR PN. Phone 0411 163 210, 07 4927 3181, AH 0411 163 210. JET A1.

Viva: 2000-0800 UTC DLY, AH 1 HR PN. Phone 0411 163 210, 07 4927 3181, AH 0411 163 210. JET A1.

World Fuel: 2000-0800 UTC DLY, AH 1 HR PN. Phone 0411 163 210, 07 4927 3181, AH 0411 163 210. JET A1.

Air BP: 2100-0700 UTC MON-FRI, AH 1HR PN. Phone 0409 638 801, AH 0409 638 801. JET A1.

AVGAS: H24 self-serve bowser.

**RESCUE AND FIREFIGHTING SERVICES**

- CAT 6:
  - 1945-1125 UTC MON-FRI.
  - 2015-1125 UTC SAT.
  - 2045-1125 UTC SUN.
- 131.0 MHz AVBL HO.

AERODROME OBSTACLES

1.

Lit (HN) building 200FT AMSL BRG 069 DEG MAG 2NM FM ARP. Infringes inner HZS.
2.

Towers:

a.

Unlit 895FT AMSL BRG 016 DEG MAG 6.88NM FM ARP. Infringes outer HZS.

b.

Unlit 2,123FT AMSL BRG 056 DEG MAG 6.2NM FM ARP. Infringes HZS.

c.

Marked and lit (HN) 410FT AMSL BRG 208 DEG MAG 2.8NM FM ARP. Infringes COS.

d.

Lit (HN) 568FT AMSL BRG 184 DEG MAG 4.3NM FM ARP. Infringes outer HZS.

e.

Lit (HN) 340FT AMSL BRG 094 DEG MAG 1.0NM FM ARP. Infringes inner HZS.

f.

Lit (HN) 144FT AMSL BRG 034 DEG MAG 0.83NM FM ARP. Infringes inner HZS.

g.

Lit (HN) 2,114FT AMSL BRG 054 DEG MAG 6.2NM FM ARP. Infringes outer HZS.

h.

Unlit (Red) Communications TWR 2,086FT AMSL BRG 055 DEG MAG 6.2NM FM ARP. Infringes outer HZS.
3.

Masts:

a.

At hospital - lit by steady red LGT (HN) 284FT AMSL BRG 073 DEG MAG 1.1NM FM ARP. Infringes inner HZS.

b.

Lit (HN) 2,084FT AMSL BRG 054 DEG MAG 6.2NM FM ARP. Infringes outer HZS.

c.

Lit (HN) 283FT AMSL BRG 097 DEG MAG 1.09NM FM ARP. Infringes inner HZS.
4.

Primary IWI lit by steady red light (HN). Infringes TNS (E side).
5.

Unlit trees 247FT AMSL BTN BRG 128 and 136 DEG MAG 1.6NM FM ARP. Infringes inner HZS.

METEOROLOGICAL INFORMATION PROVIDED

1.

TAF CAT A, METAR/SPECI, AD WRNG.
- AWIS Phone 07 3564 3734 - Report faults to BoM.

PHYSICAL CHARACTERISTICS

- 04/22

043 39a PCN 20 /F /C /1000 (145PSI) /T

WID 23

RWS 80
- 15/33

148 86a PCN 72 /F /C /1400 (203PSI) /T Grooved.

WID 45

RWS 300
1.

BAK 12 bi-directional, removable, hook cable, 100MM high, installed 487 (1600) FM THR 33, rigged for MIL OPS only. Notified by TWR/NOTAM.
2.

CAUTION: Permanent concrete energy-absorber housings 0.3 (1) high located each side of RWY 14 (46) FM RWY edge.

AERODROME AND APPROACH LIGHTING

- RWY 15/33

MIRL(1)

AFRU+PAL 118.1

SDBY PWR AVBL
- RWY 15/33

PAPI(2)

AFRU+PAL 118.1

3.0 DEG70FT

SDBY PWR AVBL
- RWY 15/33

RTIL(3)

AFRU+PAL 118.1

SDBY PWR AVBL
- (1)

AFRU+PAL outside TWR HR.
- (2)

Both sides
- (3)

AFRU+PAL outside TWR HR. Non-standard RTIL configuration RWY 15. RWY 15 RTILS located 75M in front of threshold.
1.

RWY 15/33 edge light spacing 60M.
2.

AFRU+PAL lighting status confirmed on AFRU+PAL FREQ. PAL cycle 30MIN. Last 10MIN Primary IWI flashing continuously.

OTHER LIGHTING

- ABN

ALTN 6 WG

On TWR - AVBL with AFRU+PAL. OPS continuous HN.
1.

Secondary PWR switchover time: 1 SEC during LVP; 15 SEC other times.
2.

TWY LGT: Green CL on A, B, E, F, J and K.
3.

Blue edge lighting on RWY 15/33 turning node.
4.

RWY guard lights on RWY 15/33 TWY intersections.

**ATS AND AERODROME COMMUNICATION FACILITIES**

|      |                     |             |
|------|---------------------|-------------|
| FIA  | BRISBANE CENTRE     | 119.55      |
| APP  | CORAL APPROACH (RK) | 123.75      |
| ATIS | ROCKY               | 116.9 128.5 |
| SMC  | ROCKY GROUND        | 121.8       |
| TWR  | ROCKY TOWER         | 118.1       |

## 1. TWR HR:

- MON-FRI: 2030-1035 UTC.
- SAT: 2030-0930 UTC.
- SUN: 2100-1035 UTC.

*Note: TWR HR may change at short notice, check status of airspace with ATS or Rocky ATIS.*

2. Phone RK TWR: 07 4931 5205<sup>^</sup>. BN CEN: 07 3866 3224<sup>^</sup>.

## 3. Rocky TWR provides Class D TWR services within Rockhampton CTR, SFC to 1,000FT AMSL. CTC TWR for CLR.

## 4. During TWR HRS, CORAL APP provides ATS:

- WI the CTA steps Class D ABV 1,000FT AMSL to an upper level of 4,500FT AMSL.
- WI the Class C airspace contained within the boundaries of the Rockhampton CTA steps 36NM north and 36NM south of YBRK ABV 4,500FT AMSL to an upper level of FL150.

## 5. Outside TWR HR Brisbane Centre provides:

- ATS within Class C airspace ABV 4,500FT AMSL.
- Class G service at and below 4,500FT AMSL.

*Note: Outside TWR HR, CTC Brisbane Centre for TAX and on ground reports in this airspace.*

**RADIO NAVIGATION AND LANDING AIDS**

|     |                    |            |           |            |                  |     |
|-----|--------------------|------------|-----------|------------|------------------|-----|
| DME | RK                 | 116.9/116X | 232258.1S | 1502818.0E |                  | (1) |
| NDB | RK                 | 257        | 232215.3S | 1502831.1E | Range 65 (HN 65) |     |
| VOR | RK                 | 116.9      | 232258.1S | 1502817.5E |                  |     |
| (1) | Antenna ELEV 57FT. |            |           |            |                  |     |

**LOCAL TRAFFIC REGULATIONS**

- Circuit training for ACFT ABV 5,700KG permitted 2100-1200 UTC.
- TWY B, J and K - ACFT TAX with engines overhanging TWY edge must avoid using power above idle thrust to prevent shoulder erosion and ENG damage.
- TWY A and APN edge TAX lane BTN TWY A and TWY K restricted to 36M MAX wingspan.
- ACFT ABV 5,700KG MTOW RQ pavement concession to use light ACFT TWYs and refuelling areas.
- RPT APN is a Security Restricted Area. Access for non RPT operators by permission from Airport Management only.
- All SVY, practice IAL and NAVAID training within Class C and D airspace requires prior notice. Phone RK TWR DRG TWR HR for approval.
- A340-600, A380-800 and B777-300 ACFT OPS: ACFT should exercise caution during turns as normal CLR to TWY edge may not be AVBL. Pilots should apply judgemental oversteer when negotiating TWY to TWY and RWY to TWY turns. Where the aircraft's ground manoeuvring cameras are not AVBL, the pilot should request marshalling assistance from the company's agent.
- Primary PRKG bays on the RAAF APN are marked for standard type F/A-15E. ACFT type designators are not marked at the stop lines. PRKG on this APN is only AVBL by prior permission from airport management.
- Parallel TWY separation for TWY J and RPT APN TWY is restricted to code C separation. Simultaneous OPS not permitted if one ACFT is greater than 36M wing span.
- ACFT ABV MTOW 22,000KG to execute turns at RWY ends or turning node.
- ACFT ABV 5,700KG CTC AD OPR 48HRS prior for PRKG approval.

## FLIGHT PROCEDURES

### 1. Flying Training in D706 and Radio Failure Procedures

#### 1.1. ATC Requirements

ACFT proceeding to, from or operating within D706 up to 4,500FT AMSL shall:

- a. Do so in accordance with the Airways Clearance issued (see below).
- b. Report when established in D706.
- c. Report on 123.75 at the OPS NORMAL time/s nominated by CORAL approach.
- d. Report on 123.75 when ready to depart D706 for CLR.

#### 1.2. Operating Clearance.

A CLR to "Track to and operate within the Training Area not above A045", will mean:

- a. Enter the Training Area (D706) tracking direct to the Stanwell Power Station.
- b. Operate within D706 not above A045, leaving and re-entering CTA as required.

#### 1.3. Radio Failure

IF an ACFT is unable to report arrival in D706 or make a nominated OPS NORMAL call, THEN the ACFT must:

- a. Remain within D706 until 10 minutes after either,
  - (i) the missed Arrival Report Time, or
  - (ii) the expiry of the OPS NORMAL Time,
- b. Squawk SSR Code 7600.
- c. Attempt to contact Rocky Tower by mobile.
- d. Make "blind" transmissions of intentions.
- e. Listen out on ATIS for any instructions.
- f. Return to Rockhampton tracking via Gracemere Hill at 1,500FT.
- g. From Gracemere Hill, make a visual APCH to the preferred RWY via:
  - (i) Straight-in for RWY 04, or
  - (ii) Right Base for RWY 15, or
  - (iii) Left Base for RWY 33 or 22,
- h. On final, look for a light signal from the tower.
- i. Proceed in accordance with the light signal from the tower.

*Note: In the event of a missed APCH, make a Left Circuit for the same or appropriate alternative runway.*

### 2. Low Visibility Procedures

- a. LOW VIS TKOF are not supported by manual RV assessments.
  - b. Transmissometers are not installed.
  - c. ARO will assist pilots to access RWY for RV assessments.
  - d. RWY 15/33 is capable of supporting TKOF with RWY VIS not less than 800M.
  - e. Procedure AVBL for LVP from AD OPR.
3. Outside TWR HR, ACFT in the circuit are to operate as follows:
- a. RWY 15 and 22 - Right hand CCTS;
  - b. RWY 04 and 33 - Left hand CCTS.

### CTAF - AFRU 118.1

Outside TWR HR.

## NOISE ABATEMENT PROCEDURES

Noise Abatement Procedures (NAP) apply. Refer AIP DAP.

### ADDITIONAL INFORMATION

1. Hang gliding at Mt Helen 155/28NM FM Rockhampton AD, HJ JF. MAX 4,000FT AMSL.

2. Significant bird hazard exists:

- a. Waterfowl (ibis, duck, pelican and cormorant) hazard significantly increases on airfield and in vicinity after period of rainfall.

*Note: Increased in the undershoot of RWY 33.*

- b. Seasonally migratory species increase in the terminal airspace in spring to summer (SEP-JAN).
- c. Flying-fox, micro-bat and waterfowl risk increased after sunset due to increased activity and decreased detectability.

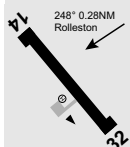
*Note: Flying fox hazard increased before first light and in the vicinity of the AD.*

- d. Check the Bird Watch reports and NOTAM for real-time wildlife hazard information.



**CHARTS RELATED TO THE AERODROME**

1. WAC 3235.
2. Aerodrome Obstruction Chart Type A: 7th Edition (September 2021). Can be obtained FM AD OPR or website.
3. Also refer to AIP Departure and Approach Procedures.

**ROLLESTON****ELEV 727**

QLD

242742S

1483738E

**FULL NOTAM SERVICE NOT AVBL**

UTC +10

YRLL

VAR 9 DEG E

UNCR

AD OPR Central Highlands Regional Council, PO Box 21, Emerald, QLD, 4720.

Email: [airport@chrc.qld.gov.au](mailto:airport@chrc.qld.gov.au). PH 1300 242 686. Mobile 0408 194 913 (H24).Fax 1300 242 687. Website: [www.chrc.qld.gov.au](http://www.chrc.qld.gov.au).**REMARKS**

1. PPR FM AD OPR. Day use only.
2. Commercial and charter OPS not permitted over 2,000KG MTOW.
3. White cone markers, no NAVAIDS.

**AERODROME OBSTACLES**

OBST (tree, power poles, fences WI etc) are in the immediate vicinity of the AD and infringe the OLS.

**PHYSICAL CHARACTERISTICS**

14/32 38a 2000/ Unrated. Sealed. RWY LEN 1,148M. WID 15 RWS 45

1. Common RWY/RWS length.
2. Tyre pressure is in accordance with AIP 'unrated pavements'.
3. Helipad, concrete.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

122.3

**LOCAL TRAFFIC REGULATIONS**

1. ACFT to park on W edge of the APN.
2. All ACFT must roll through and make MAX RAD MNM speed turns at turn pad only.

**CTAF** 126.7**ADDITIONAL INFORMATION**

Assume bird activity, wildlife and stock hazard exists.

**CHARTS RELATED TO THE AERODROME**

WAC 3340, 3341.

**ROMA****ELEV 1027****AVFAX CODE 4101**

QLD

UTC +10

YROM

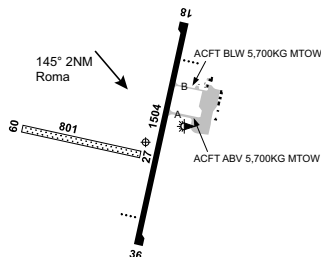
263243S

1484630E

VAR 9 DEG E

CERT

AD OPR Maranoa Regional Council, PO Box 620, Roma, QLD, 4455.

Email: [airport@maranoa.qld.gov.au](mailto:airport@maranoa.qld.gov.au). ARO 0407 730 531. Council PH 1300 007 662.Fax 07 4624 6990. Website: [www.maranoa.qld.gov.au](http://www.maranoa.qld.gov.au).**REMARKS**

1. PPR for ACFT ABV 5,700KG MTOW.
2. AD Charges: For current fees and charges refer to website.
3. This AD is a Security Controlled Airport. A valid ASIC is to be displayed at all times when airside.
4. Terminal is closed to airside access except for RPT or AD approved services. Passenger and baggage screening may be in operation.

**HANDLING SERVICES AND FACILITIES**

AIR BP – Scott Rodgers: 2100-0700 UTC JO: PH 07 4622 1175, Mobile 0417 958 399, Fax 07 4622 1176. AVGAS 24HR Air BP Carnet Cardswipe Bowser, JET A1 (vehicle). Cash and Air BP Carnet Card. No credit cards or cheques accepted. HJ AH call-out fee applies – cash only. Agent - IOR Aviation Pty Ltd. JET A1 (vehicle) and AVGAS 100LL (vehicle and drums), AVBL H24, 1HR PN required 2100-0600 UTC MON-FRI and 2200-0600 UTC SAT and SUN. AH call-out fee applies. IOR Mobile 0499 002 781. Payment via EFTPOS, IOR account holders or PH 1300 457 467.

**PASSENGER FACILITIES**

TX/PT/HC/AC/LG/WC/RF/ME.

**APRONS AND TAXIWAYS**

TWY limitations:

- a. TWY A ABV 5,700KG MTOW;
- b. TWY B BLW 5,700KG MTOW.

**AERODROME OBSTACLES**

TWR LIOL:

- a. 1,407FT AMSL BRG 103 DEG MAG 4.4NM FM ARP.
- b. 1,318FT AMSL BRG 091 DEG MAG 3.5NM FM ARP.
- c. 1,138FT AMSL BRG 163 DEG MAG 1.65NM FM ARP.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT C, METAR/SPECI.
2. AWIS Phone 07 3564 3735 - Report faults to BoM.
3. AWIS FREQ 122.125 (requires one-second pulse to activate) - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

|       |     |     |                               |        |         |
|-------|-----|-----|-------------------------------|--------|---------|
| 09/27 | 092 | 26c | Unrated. Grassed black clay   | WID 18 | RWS 60  |
| 18/36 | 182 | 49a | PCN 18 /F /C /975 (141PSI) /T | WID 30 | RWS 150 |

**AERODROME AND APPROACH LIGHTING**

RWY 18/36 LIRL AFRU+PAL 126.95 SDBY PWR AVBL  
 RWY 18/36 PAPI(1) AFRU+PAL 126.95 3.0 DEG49FT  
 RWY 18/36 PTBL BY PRIOR ARRANGEMENT  
 (1) Left side.  
 1. RWY 18/36 AGL light spacing: 90M.  
 2. PAL activates all lighting.

**OTHER LIGHTING**

1. TWY A LGT: Blue edge.
2. Bay 1 unlit.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 126.0 On Ground

**RADIO NAVIGATION AND LANDING AIDS**

NDB ROM 377 262325.1S 1484654.1E Range 90 (HN 70)

**LOCAL TRAFFIC REGULATIONS**

1. RWY 18/36: All ACFT ABV 5,700KG must roll through and use MAX radius turns on the RWY end turning nodes.
2. Bays 2 and 3 are Security Restricted Areas, PRKG restrictions apply during screening OPS.
3. HEL APN N of GA for LifeFlight use only.

**CTAF - AFRU** 126.95

**ADDITIONAL INFORMATION**

Bird hazard may exist - species specific NOTAM will be raised during periods of increased activity.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3340, 3341.
2. Also refer to AIP Departure and Approach Procedures.

**ROMSEY**

**ELEV 1500**

**FULL NOTAM SERVICE NOT AVBL**

VIC UTC +10 YRSY  
 372330S 1444418E VAR 11 DEG E UNCR  
 AD OPR Neale Jackson, 89 Black Range Road, Romsey, VIC, 3434. Mobile 0408 393 808.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 135.7 On ground

**CTAF** 121.6

**CHARTS RELATED TO THE AERODROME**

WAC 3469, 3470.

**ROSE BAY**

**FULL NOTAM SERVICE NOT AVBL**

NSW UTC +10 YRAY  
 335212S 1511547E VAR 13 DEG E UNCR  
 AD OPR NSW Roads and Maritime Services, Lyne Park, Rose Bay, NSW, 2029.  
 Email: reservations@seaplanes.com.au. PH Seaplane Base 02 9388 2802:  
 Head Office 02 9388 1978. Website: www.seaplanes.com.au.

**REMARKS**

This area is not recommended for recreational or light sport ACFT due potentially rough water surface conditions. Call Seaplane Base Operator for local briefing.

**PHYSICAL CHARACTERISTICS**

Unmarked water alighting area. Generally defined by the boundary of Rose Bay in Sydney Harbour. Northern limit of the water alighting area is defined by lines that connect Woollahra Point to Shark Island and Shark Island to Steel Point.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA SYDNEY CENTRE 124.55

FLIGHT PROCEDURES

Alighting area is surrounded by densely populated areas. For noise abatement, OPS are to be confined to overwater at all times. Do not overfly land areas or moored boats.

CTAF 120.8

ADDITIONAL INFORMATION

1. Caution boat traffic, boat wakes and rough water for takeoff and landing.
2. Alighting area entirely within R405B and bounded by YSSY class C airspace. Refer ERSA YSSY for details of R405.

CHARTS RELATED TO THE AERODROME

WAC 3456.

ROSE VALE

ELEV 800

FULL NOTAM SERVICE NOT AVBL



NSW  
345058S 1474649E  
AD OPR AR & FE Hamilton, Rose Vale, Illabo, NSW, 2590.  
Email: afhamilton@bigpond.com. PH 0427 245 446.

UTC +10 YRVL  
VAR 12 DEG E UNCR

REMARKS

Prior arrangements appreciated.

AERODROME OBSTACLES

Tree right of centreline on short final, RWY 32.

PHYSICAL CHARACTERISTICS

RWY 14/32 length 1,000M. Unrated smooth dirt SFC.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA MELBOURNE CENTRE 134.65 3000FT

CTAF 126.7

ADDITIONAL INFORMATION

1. Animal hazard exists.
2. AD can become slippery after heavy rain.

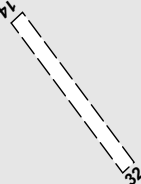
CHARTS RELATED TO THE AERODROME

WAC 3456 and 3457.

ROSEBERTH

ELEV 180

FULL NOTAM SERVICE NOT AVBL



QLD  
255000S 1393900E  
AD OPR Roseberth Station, via Birdsville, QLD, 4482. PH 07 4656 3250.

UTC +10 YRSB  
VAR 7 DEG E UNCR

AERODROME OBSTACLES

Unlit tower 370FT AGL, 055/5NM from ARP.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA BRISBANE CENTRE 125.4 Circuit Area

CTAF 126.7

CHARTS RELATED TO THE AERODROME

WAC 3342.

ROSTELLA

91

149° 8NM  
Launceston

34

TAS  
411953S                      1470301E  
AD OPR Charles Booth, 135 Rostella Road, Dilston, TAS, 7252.  
Mobile 0419 879 270.

REMARKS

PPR.

APRONS AND TAXIWAYS

TWY to PRKG E of RWY, grass WID 15M.

ELEV 30

FULL NOTAM SERVICE NOT AVBL

UTC +10                      YRST

VAR 14 DEG E                      UNCR

PHYSICAL CHARACTERISTICS

16/34                      29c      Grass. RWY LEN 872M.                      WID 30

ATS AND AERODROME COMMUNICATION FACILITIES

FIA                      LAUNY CENTRE                      (1)                      123.8

(1)                      Outside LT TWR and APP HR ML CENTRE.

LOCAL TRAFFIC REGULATIONS

In nil wind conditions RWY 34 is the default RWY.

CTAF 126.7

CHARTS RELATED TO THE AERODROME

WAC 3556.

ROTTNEST ISLAND

AVFAX CODE 6004

WA                      320024S                      1153223E  
AD OPR Rottnest Island Authority, Level 1, E-Shed, Victoria Quay, Fremantle, WA, 6160.  
PH AD Manager 08 9372 9788 H24.

ELEV 12

UTC +8                      YRTI

VAR 2 DEG W                      CERT

108° 10NM  
Fremantle

1293

A B C

27

Displaced THR  
Refer ERSA-RDS

REMARKS

1.                      AD Charges: All ACFT.

2.                      OPR HR: HJ.

3.                      PPR from AD MGR for ARR/DEP DRG HN.

PASSENGER FACILITIES

LG/WC/BU

APRONS AND TAXIWAYS

TWY Charlie MAX wingspan 15M.

Information may be continued on the next page: PTO

**AERODROME OBSTACLES**

1. Lighthouse 282FT, 270 DEG MAG 1.9NM FM ARP.
2. Lit wind turbine 289FT, 303 DEG MAG 1.25NM FM ARP.
3. RWY 09 transient object - train on railway to S border encroaches W end of airstrip.
4. Hill 79FT AMSL 092 DEG MAG 0.57NM FM ARP infringes RWY 27 APCH.
5. Signs:
  - a. 19FT AMSL 270 DEG MAG 0.23NM FM ARP.
  - b. 18FT AMSL 092 DEG MAG 0.26NM FM ARP.
6. Bushes:
  - a. 26FT AMSL 271 DEG MAG 0.35NM FM ARP.
  - b. 19FT AMSL 271 DEG MAG 0.27NM FM ARP.
  - c. 31FT AMSL 150M W of RWY 09 THR. Infringes RWY 09 APCH.
7. Trees:
  - a. CRITICAL: 69FT AGL BRG 088 DEG MAG 0.6NM FM ARP. Infringes RWY 27 APCH.
  - b. 77FT AMSL 99 DEG MAG 0.38NM FM ARP.
  - c. 71FT AMSL 98 DEG MAG 0.37NM FM ARP.
  - d. 74FT AMSL 101 DEG MAG 0.33NM FM ARP.
  - e. 29FT AMSL 270 DEG MAG 0.36NM FM ARP.

**METEOROLOGICAL INFORMATION PROVIDED**

1. METAR/SPECI.
2. AWIS Phone 08 6216 2635 - Report faults to BoM.
3. AWIS FREQ 134.35 (requires a one-second pulse to activate). AWIS will transmit for 90 SEC. Report faults to AD MGR.

*Note: AWIS located BRG 270 DEG MAG 1.8NM FM ARP.*

**PHYSICAL CHARACTERISTICS**

09/27 092 42a 5700/800 (116PSI) /U

WID 18 RWS 90

90(295) X 45(148) wide turning nodes each end.

**AERODROME AND APPROACH LIGHTING**

RWY 09/27 LIRL(1)

(1) EMERG only.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA PERTH CENTRE

135.25 On Ground

**LOCAL TRAFFIC REGULATIONS**

1. All HEL to park on area defined by blue cone markers N of RWY near WDI.
2. Nil PRKG AVBL on brick-paved area airside of terminal BLDG. PRKG on APN only.
3. Training not permitted BTN 2000-0600 Local without special arrangement with the AD Manager.

**FLIGHT PROCEDURES**

1. RWY 09 right hand CCTS required during daylight hours.
2. ACFT to avoid over flying settlement on N side of island.

**CTAF** 126.0

**ADDITIONAL INFORMATION**

1. Wildlife hazard (marsupial quokka and migratory birds) on and in VCY of RWY 09/27. For dispersal HN, CTC AD MGR.
2. CAUTION PJE OPS:
  - a. Bickley Bay BRG 094 DEG MAG 0.8NM.
  - b. Salmon Bay BRG 230 DEG MAG 1.2NM.
  - c. Thompson Bay BRG 066 DEG MAG 0.6NM.
3. RFDS must CTC AD MGR for RWY check 30MIN prior to ARR HN.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3462.
  2. Also refer to AIP Departure and Approach Procedures.
-

**ROWSLEY/BROOKS LANDING****ELEV 600****FULL NOTAM SERVICE NOT AVBL**

VIC

UTC +10

YBSL

374229S

1442034E

VAR 11 DEG E

UNCR

AD OPR Brooks Landing, 1096 Glenmore Rd, Rowsley Valley VIC, 3340.

Email: info@brookslanding.com.au. Mobile 0437 094 112. Website: www.brookslanding.com.au.

**REMARKS**

1. PPR, refer to website.
2. Landing fees apply to all ACFT, refer to website.

**HANDLING SERVICES AND FACILITIES**

AVGAS and MOGAS by prior notice H24. CTC 0437 094 112

**PASSENGER FACILITIES**

LG/WC/RF/AC/HC.

**PHYSICAL CHARACTERISTICS**

08/26 31 Grass

WID 15

**AERODROME AND APPROACH LIGHTING**

RWY 08/26 PTBL

BY PRIOR ARRANGEMENT

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE

135.7

**FLIGHT PROCEDURES**

1. Right hand circuits for RWY 26.
2. Pilots are requested to avoid flying over residential buildings and livestock.

**CTAF** 118.8**ADDITIONAL INFORMATION**

1. CAUTION: training and glider traffic.
2. AD in close proximity to YBSS.

**CHARTS RELATED TO THE AERODROME**

WAC 3469.

**ROYAL NORTH SHORE HOSPITAL****ELEV 363****FULL NOTAM SERVICE NOT AVBL**

NSW

UTC +10

YXNS

334916S

1511131E

VAR 13 DEG E

UNCR

AD OPR Royal North Shore Hospital, Pacific Highway, St Leonards, NSW, 2065.

PH Hospital Switch 02 9926 7111: Security 02 9926 7190: 02 9926 7724.

**REMARKS**

1. MAX size/Mass - BH412 or equivalent (5,400KG).
2. Medical EMERG OPS only.

**HANDLING SERVICES AND FACILITIES**

Medical EMERG only.

**AERODROME OBSTACLES**

1. Three large television towers in close proximity.
2. Plant room at E end of HLS.
3. Taller buildings to the N, E and SE.

**PHYSICAL CHARACTERISTICS**

HELIPAD - 26M x 40M Rooftop HLS with 2 9M x 9M concrete LLAs.

CTAF 126.7

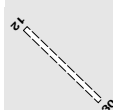


**ADDITIONAL INFORMATION**

1. Buildings below 8:1 flight path gradient about 600M South.
2. Emergency equipment stored adjacent to HLS.
3. CO2 & Dry Chemical Fire Extinguishers.
4. Fire Hose Reel with "chrome foam".
5. Chem-spill Bucket.
6. Fire Blanket.
7. "Hot Line" to NSWFB.
8. Video Surveillance.
9. Push-button to open access doors & prioritise lifts.

**CHARTS RELATED TO THE AERODROME**

WAC 3456.

**RUTLAND PLAINS****ELEV 50****FULL NOTAM SERVICE NOT AVBL**

QLD

153836S

1415036E

UTC +10

VAR 6 DEG E

YRTP

UNCR

AD OPR M.D.H. Pty Ltd, Rutland Plains Station, via Normanton, QLD, 4890.  
 PH 07 4060 5215. Fax 07 4060 5196.

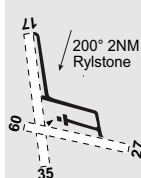
**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

118.6 9500FT

**CTAF** 126.7**CHARTS RELATED TO THE AERODROME**

WAC 3112.

**RYLSTONE AIRPARK****ELEV 1990****FULL NOTAM SERVICE NOT AVBL**

NSW

324615S

1495936E

UTC +10

VAR 12 DEG E

YRYL

UNCR

AD OPR Rylstone Aerodrome Airpark Community Association, PO Box 179,  
 Rylstone, NSW, 2849. Email: rob@rylstone.com.au. PH Caretaker 0438 511 836.  
 ARO 0411 816 300. Website: www.rylstoneaerodrome.com.au.

**REMARKS**

1. This is a privately owned "Community Title" residential airpark.
2. SFC conditions can vary due to weather and aerodrome works. CTC Caretaker or AD OPR for current conditions, hazards and parking.
3. NIL Landing fees - however donations toward maintenance are gratefully accepted.
4. Weather cameras and aerodrome weather information AVBL on website.
5. AD gates locked - Call Caretaker or AD OPR for access and information.

**HANDLING SERVICES AND FACILITIES**

Skyfuel: AVGAS and JET A1, H24 self service bowsers accepts MC, V and Skyfuel Carnet card.  
 PH 0418 862 100 or 0417 780 280. Refer to www.skyfuel.com.au for site information and orientation.

**PHYSICAL CHARACTERISTICS**

RWY 2 x Grass SFC.

09/27 900M.

17/35 900M reduced to 800M by 100M displaced threshold at N end of 17 due to dip and rough SFC.

**AERODROME AND APPROACH LIGHTING**

Nil RWY lighting.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 133.05

**LOCAL TRAFFIC REGULATIONS**

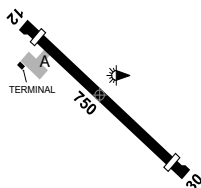
1. Caution: ACFT DEP 09 NIL VIS of traffic on RWY 09 E of 17/35 INTSC due to hump in RWY.
2. Use sealed taxiway when operating on RWY 17/35.
3. When operating on RWY 09/27 backtrack on grass TWY on S side of RWY.
4. When operating from RWY 17 backtrack on shared tar sealed TWY/roadway on E side of RWY.

**CTAF** 126.7**ADDITIONAL INFORMATION**

1. RWY mowing and farm machinery operate on airfield.
2. Caution potential animal hazards.
3. Visit website for more information.

**CHARTS RELATED TO THE AERODROME**

WAC 3456 and 3457.

**SAIBAI ISLAND****ELEV 15****AVFAX CODE 4528**

QLD

92242S

1423730E

UTC +10

VAR 5 DEG E

YSII

CERT

AD OPR Torres Strait Island Regional Council, PO Box 7336, Cairns, QLD, 4870. Email: saibai.aerodrome@tsirc.qld.gov.au.

PH 07 4034 5700. ARO 0439 374 351 (H24).

**REMARKS**

Restricted OPS: PPR from AD OPR

**AERODROME OBSTACLES**

1. RWY 12/30 transitional SFC infringed by boundary fence and palm trees NW end of RWY.
2. Light pole 20FT AGL BRG 312 MAG 261M FM ARP. Infringes TNS by 12FT.
3. TWR 220FT AMSL BRG 248 DEG MAG 0.7NM FM ARP. Infringes HZS.
4. Trees:
  - a. 33FT AMSL BRG 149 DEG MAG 350M FM ARP. Infringes TNS.
  - b. 33FT AMSL BRG 134 DEG MAG 330M FM ARP. Infringes TNS.

**PHYSICAL CHARACTERISTICS**

12/30 127 25a Sealed

WID 18 RWS 60

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

120.3 2000FT

**FLIGHT PROCEDURES**

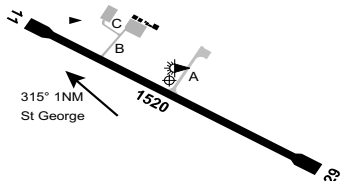
For special procedures which apply to Torres Strait biosecurity requirements, see ERSa GEN - SPECIAL PROCEDURES.

**CTAF 126.7****ADDITIONAL INFORMATION**

Animal hazard (dogs) exist.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3097.
2. Also refer to AIP Departure and Approach Procedures.

**SAINT GEORGE****ELEV 656****AVFAX CODE 4108**

QLD

280259S

1483543E

UTC +10

VAR 10 DEG E

YSGE

CERT

AD OPR Balonne Shire Council, PO Box 201, St George, QLD, 4487. PH 07 4620 8888. ARO 0457 169 921:

0492 273 881: 0429 621 430.

**REMARKS**

This AD is a Security Controlled Airport.

**PASSENGER FACILITIES**

WC/LG

**AERODROME OBSTACLES**

1. Lit COMM TWR LOC APRX 4.1NM on BRG 322.75 DEG MAG FM ARP at 275921.78S 1483335.52E is 298 FT AGL/APRX 1,001 FT AMSL.
2. Lit SRY WDI LOC 121M left of APCH to NW THR 11 end infringes TNS by 2FT.

**METEOROLOGICAL INFORMATION PROVIDED**

TAF CAT D, METAR/SPECI.

**PHYSICAL CHARACTERISTICS**

11/29 111 50a PCN 15 /F /A /860 (125PSI) /T Level

WID 30 RWS 150

**AERODROME AND APPROACH LIGHTING**

RWY 11/29 LIRL AFRU+PAL 126.7

SDBY PWR AVBL

RWY edge light spacing: 11/29: 96M.

OTHER LIGHTING

1. Secondary PWR switchover time: 15 SEC.
2. TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

BRISBANE CENTRE

118.95 On ground

RADIO NAVIGATION AND LANDING AIDS

NDB SGE 383 280249.8S 1483549.8E Range 40 (HN 40) (1)

(1) Pilot monitored.

CTAF - AFRU 126.7

ADDITIONAL INFORMATION

1. Bird and animal hazard exists.
2. No SRY WDI is provided to the SE THR 29 end.

CHARTS RELATED TO THE AERODROME

1. WAC 3356, 3357.
2. Also refer to AIP Departure and Approach Procedures.

SAINT HELENS

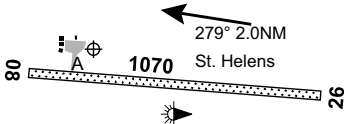
ELEV 158

AVFAX CODE 7004

TAS UTC +10 YSTH

412012S 1481655E VAR 15 DEG E CERT

AD OPR Break O' Day Council, PO Box 21, St Helens, TAS, 7216. PH 03 6376 7900 H24.



REMARKS

AD Charges: All ACFT.

AERODROME OBSTACLES

Unlit TWR 1,221FT AMSL 224 DEG MAG, 4,300M FM ARP.

METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT D, METAR/SPECI.
2. AWIS PH 03 6283 8606 - Report faults to BoM.

PHYSICAL CHARACTERISTICS

08/26 079 35c 5700/552 (80PSI) Grassed grey sand. WID 30 RWS 90

Central 18M gravel

AERODROME AND APPROACH LIGHTING

RWY 08/26 LIRL(1) PAL 122.2 SDBY PWR AVBL

(1) SDBY PWR EMERG only. MAN ACT with 45 MIN PN.

OTHER LIGHTING

HBN R 299FT AMSL BRG 254 MAG 3,098M FM ARP. Marking rising terrain.

TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

MELBOURNE CENTRE

126.5 Circuit Area

LOCAL TRAFFIC REGULATIONS

RWS not AVBL for LDG or TKOF.

FLIGHT PROCEDURES

1. Right hand CCTS RWY 26 HN.
2. HN CCTS must remain E of Saint Helens town and over water when ACFT are W of AD.
3. No circling S of RWY 08/26. Refer to AIP DAP.

CTAF 119.1

**ADDITIONAL INFORMATION**

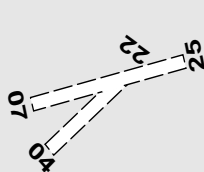
1. Windshear will be experienced on short final RWY 08 with moderate/strong NE winds.
2. Model ACFT OPS HJ WI 300M radius of PSN 411712.00S 1481306.00E BRG 318MAG 4.1NM FM AD SFC to 1,000FT AGL. CTC 0417 118 181.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3556.
2. Also refer to AIP Departure and Approach Procedures.

**SAMARAI****ELEV 1400****FULL NOTAM SERVICE NOT AVBL**

QLD  
271422S 1514104E  
AD OPR Samarai, 2637 Oakey-Cooyar Road, Oakey, QLD, 4401.  
Email: samarai1@bigpond.com. PH 07 4692 8205.  
Mobile 0428 928 250 (not always in range).



UTC +10  
VAR 11 DEG E  
YSAM  
UNCR

**REMARKS**

1. PPR.
2. Dry weather only. Check strip condition.

**PHYSICAL CHARACTERISTICS**

1. RWY 07/25 1,400M.
2. RWY 09/27 300M gravel.

**ATS AND AERODROME COMMUNICATION FACILITIES**

|      |                 |                 |
|------|-----------------|-----------------|
| FIA  | BRISBANE CENTRE | 121.2 On Ground |
| ACD  | OAKEY DELIVERY  | 133.35          |
| APP  | OAKEY APPROACH  | 125.4           |
| ATIS | OAKEY ATIS      | 124.3 (1)       |

(1) use when active or PN 4577 7235

See Oakey YBOK ERSA.

**LOCAL TRAFFIC REGULATIONS**

RWY 09/27 suitable for STOL.

**CTAF** 126.7

**ADDITIONAL INFORMATION**

1. AD located within R654 A & C. Consult ERSA and NOTAMS for Oakey airspace procedures.
2. AD located near house APRX 2KM N 271313.32S 1514112.24E.
3. There are patches of vegetation in the vicinity of both strips.
4. Animal hazards exist including possible cattle, kangaroos and birds. Also powerlines and fences.

**CHARTS RELATED TO THE AERODROME**

WAC 3340.

**SCHERGER (RAAF)****ELEV 145****AVFAX CODE 4507**

QLD

123726S

1420514E

UTC +10

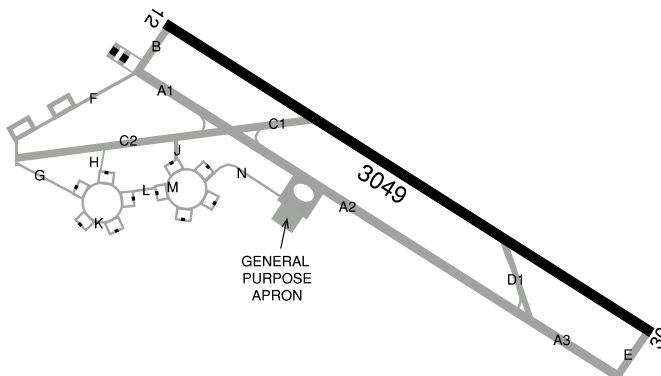
VAR 5 DEG E

YBSG

MIL

AD OPR RAAF, Air Base Command Post - RAAF Base Townsville, QLD, 4814.

Email: tvl.abcp@defence.gov.au. PH 07 4752 1888.

**REMARKS**

1. All ACFT require H24 PN to RAAF Base Townsville ABCP. PN and support REQ to be made through PH 07 4752 1888 or 0418 405 948 or via email.
2. INTL RAAF FLT are not to plan to enter Australia THRU Scherger WO approval of Department of Customs and Australian Quarantine and Inspection Service (AQIS), EXC in an EMERG.

**METEOROLOGICAL INFORMATION PROVIDED**

1. METAR/SPECI.
2. AWIS PH 07 3564 3737 - Report faults to 07 4082 3070.

**PHYSICAL CHARACTERISTICS**

12/30 117 100a PCN 46 /F /B /1750 (254PSI) /T WID 45 RWS 150

Arrestor system not permanently installed. Units requiring hookcable are to provide system and crew.

**AERODROME AND APPROACH LIGHTING**

|           |      |              |             |               |
|-----------|------|--------------|-------------|---------------|
| RWY 12/30 | MIRL | PAL+AA 120.6 |             | SDBY PWR AVBL |
| RWY 12/30 | PAPI | PAL+AA 120.6 | 3.0 DEG48FT | SDBY PWR AVBL |
| RWY 12/30 | RTIL | PAL+AA 120.6 |             | SDBY PWR AVBL |

1. DIST to run markers lit.
2. PWR supplied by generator on base.
3. RWY edge LGT and PAPI not AVBL EXC with 24HR PN to RAAF Base Townsville ABCP via email.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 122.1 Circuit Area  
TWR, SMC and ATIS availability and HR of service promulgated by NOTAM.

**RADIO NAVIGATION AND LANDING AIDS**

TAC SGR 123710.9S 1420520.0E (1)  
(1) PTBL FAC ACT as required by MIL authorities. Channel assignment and ACT by NOTAM.

**FLIGHT PROCEDURES****REMOTELY PILOTED AIRCRAFT SYSTEM (RPAS)**

All RPAS requests and enquiries are to be sent to [adf.airspace@defence.gov.au](mailto:adf.airspace@defence.gov.au) with at least 5 business days PN. OPS are subject to MIL OPS and may be restricted or cancelled at any time.

**CTAF 126.7**

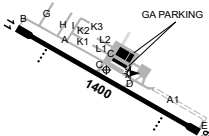
Except when Scherger CTR and Restricted areas active.

**ADDITIONAL INFORMATION**

1. Animal hazard exists.
2. Two-way COM BTN ACFT on the ground at Weipa and Scherger on CTAF may be prevented by terrain shielding.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3112.
2. MIL Aerodrome Obstruction Chart Type A: MAY 2018.

**SCONE****ELEV 745****AVFAX CODE 2023**


|                                                                  |          |      |
|------------------------------------------------------------------|----------|------|
| NSW                                                              | UTC +10  | YSCO |
| 320214S                                                          | 1504956E | CERT |
| VAR 12 DEG E                                                     |          |      |
| AD OPR Upper Hunter Shire Council, PO Box 208, Scone, NSW, 2337. |          |      |
| PH 02 6540 1100: AH AD Manager 0439 428 134. Fax 02 6545 2671.   |          |      |

**REMARKS**

1. AD Charges: Refer to <http://upperhunter.nsw.gov.au/> for current fees and charges. Bookings for ACFT PRKG is compulsory over 5,700KG.
2. Gate access code from landside to main apron is: C then the YSCO CTAF.

**HANDLING SERVICES AND FACILITIES**

Aero Refuellers - AVGAS and JET A1 H24 self-service bowsers. Accept Aero Refuellers cards, V and MC. PH: 0413 003 808.

**PASSENGER FACILITIES**

Terminal facilities AVBL in Scone Memorial Airport BLDG. Access code is C then YSCO CTAF.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT D, METAR/SPECI.
2. AWIS PH 02 9353 6449 - Report faults to BoM.
3. AWIS FREQ 134.55 (requires 1 second pulse to activate) - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

11/29 110 46 PCN 15 /F /C /1200 (174PSI) Uneven SFC WID 30 RWS 90  
due to soil movement

RWS not AVBL due soft and rough SFC.

**AERODROME AND APPROACH LIGHTING**

|           |         |           |             |
|-----------|---------|-----------|-------------|
| RWY 11/29 | LIRL(1) | PAL 128.0 |             |
| RWY 11    | PAPI(2) | PAL 128.0 | 3.0 DEG45FT |
| RWY 29    | PAPI(3) | PAL 128.0 | 3.0 DEG46FT |

- (1) PAL requires three one-second pulses to activate.
- (2) Right side. PAL requires three one-second pulses to activate.
- (3) Left side. PAL requires three one-second pulses to activate.

**OTHER LIGHTING**

TWY LGT: Blue edge on TWY C.

**ATS AND AERODROME COMMUNICATION FACILITIES**

|     |                 |              |
|-----|-----------------|--------------|
| FIA | BRISBANE CENTRE | 124.8 4000FT |
|-----|-----------------|--------------|

**LOCAL TRAFFIC REGULATIONS**

1. Exit TWY at the RWY 11 end is 7.5M wide.
2. Two gravel TWY to the fire bombing base is restricted to fire bombing ACFT only.
3. Main TWY BTN 'Air Pasture' and hangars not AVBL due to uneven SFC.
4. Helicopter parking AVBL on TWY A between TWY C and D.

**CTAF 128.0**

ADDITIONAL INFORMATION

1. Animal hazard (kangaroos, foxes and birds) exists WI VCY RWY 11/29.
2. Caution: The pilot in command should be aware of the terrain and obstacles in the circling area prior to conducting Night IFR OPS into Scone.
3. Caution: During rain, GA APN holds excessive water at entrance and near refuelling bowser.

CHARTS RELATED TO THE AERODROME

1. WAC 3456.
2. Also refer to AIP Departure and Approach Procedures.

SCOTIA SANCTUARY

ELEV 180

FULL NOTAM SERVICE NOT AVBL

NSW

331218S

1411001E

UTC +10

VAR 9 DEG E

YSCA

UNCR

AD OPR Scotia Sanctuary Pty Ltd, via Wentworth, NSW, 2648. PH 03 5027 1200.  
Fax 03 5027 1200.

REMARKS

PPR prior to landing.

PHYSICAL CHARACTERISTICS

RWY 17/35, loose gravel south end, WID 20M. 08/26, WID 22M, smooth earth east end of RWY 08.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA MELBOURNE CENTRE 122.6

CTAF 126.7

ADDITIONAL INFORMATION

1. CAUTION: Dam at southern end of 17/35, 2nd dam south of 08/26.
2. TV tower 70FT, Solar phone TWR, Wind light tower located at homestead.
3. Operate on UHF channel 1 duplex.
4. Two windsocks, no tie-down facilities.
5. Airstrips prone to surface damage by digging animals.
6. Crosswind landings with care, trees adjacent to both airstrips.
7. Airstrips can be covered with windblown sand.

CHARTS RELATED TO THE AERODROME

WAC 3458.

SEA LAKE

ELEV 184

FULL NOTAM SERVICE NOT AVBL

VIC

353154S

1425326E

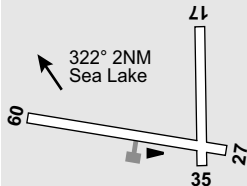
UTC +10

VAR 10 DEG E

YSLK

UNCR

AD OPR Buloke Shire Council, PO Box 1, Wycheproof, VIC, 3527.  
PH 1300 520 520. Fax 03 5493 7395.



PHYSICAL CHARACTERISTICS

|       |     |     |                |        |        |
|-------|-----|-----|----------------|--------|--------|
| 09/27 | 088 | 34c | Unrated. Grass | WID 30 | RWS 90 |
| 17/35 | 170 | 23c | Unrated. Grass | WID 30 | RWS 90 |

ATS AND AERODROME COMMUNICATION FACILITIES

FIA MELBOURNE CENTRE 125.8 Circuit Area

CTAF 126.7

CHARTS RELATED TO THE AERODROME

WAC 3458.



SEABUOY

AVFAX CODE 6820

WA202548S1164251E

FULL NOTAM SERVICE NOT AVBL  
UTC +8VAR 1 DEG E

YSBY  
UNCR

METEOROLOGICAL INFORMATION PROVIDED

WATIR 135.85 - Report faults to AD OPR.

ATS AND AERODROME COMMUNICATION FACILITIES

|      |                  |        |
|------|------------------|--------|
| FIA  | MELBOURNE CENTRE | 122.4  |
| ATIS | KARRATHA ATIS    | 134.55 |
| TWR  | KARRATHA TOWER   | 127.35 |

CTAF 127.35

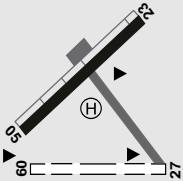
CHARTS RELATED TO THE AERODROME

- 1. WAC 3229.
- 2. Also refer to AIP Departure and Approach Procedures.

SERPENTINE

ELEV 30

FULL NOTAM SERVICE NOT AVBL



WA322342S1155224E

UTC +8VAR 2 DEG W

YSEN  
UNCR

AD OPR Sport Aircraft Builder's Club of WA Inc, Yangedi Road North, Hopeland, WA, 6125. Email: [secretary@sabc.org.au](mailto:secretary@sabc.org.au). PH Club House 08 9525 2085 (not always manned). Website: [www.sabc.org.au](http://www.sabc.org.au).

REMARKS

- 1. PPR.
- 2. Helicopter OPS 24/7.

AERODROME OBSTACLES

- 1. High voltage powerlines intersects APCH slope 500M to West of THR 05.
- 2. Trees to 10M short final 27.

PHYSICAL CHARACTERISTICS

|       |     |                                |        |        |
|-------|-----|--------------------------------|--------|--------|
| 05/23 | 30a | Unrated. Sealed. RWY LEN 900M. | WID 12 | RWS 15 |
|       |     | RWY 23 DTHR 100M.              |        |        |
| 09/27 | 20c | Unrated. Grass. RWY LEN 600M.  | WID 24 | RWS 30 |

AERODROME AND APPROACH LIGHTING

RWY 05/23 MIRL PAL 125.3  
RWY 05/23 edge LGT spacing: 96M.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA PERTH CENTRE 135.25 On ground

LOCAL TRAFFIC REGULATIONS

ACFT should manoeuvre on TWY and RWY only due to soft sand.

FLIGHT PROCEDURES

- 1. RWY 05 MNM CCT HGT 1,000FT.
- 2. CCTS not permitted before 0800 on SUN.

CTAF 119.1

ADDITIONAL INFORMATION

- 1. RWY 09/27 grass RWY sprinklers may be operating during summer months.
- 2. Murray Field AD has identical RWY numbers and CTAF.
- 3. Kangaroo and bird hazard exists all areas.
- 4. Low level aerobatics in VCY.
- 5. Perth VTC and VNC.

CHARTS RELATED TO THE AERODROME

WAC 3462.

SHARK BAY

ELEV 129

AVFAX CODE 6504

81

1690

36

227° 3.02NM

Denham

WA

255338S

1133438E

UTC +8

VAR 1 DEG W

YSHK

CERT

AD OPR RTA Leisure Pty Ltd, PO Box 47, Denham, WA, 6537.

Email: flights@sharkbayair.com.au. ARO H24 PH 0408 312 286 or 0449 212 545.

PH AH 0427 492 880.

REMARKS

1. Landing fees are \$30 (inc GST) for ACFT BLW 5,700KG. Cash only in honour box in terminal. Invoice fee will apply if not paid in cash.

2. Airfield main access gate open 0700-1800 Local. CTC AD Manager/ARO 24HR PN for arrangements outside operating times.

PASSENGER FACILITIES

LG/WC/PT (local only)/AC - Monkey Mia Dolphin Resort, phone: 08 9948 1320.  
BU (local shuttle) and TX, phone: 0412 626 074. HC - Shark Bay Car Hire, phone: 0474 556 296.

APRONS AND TAXIWAYS

- 1. TWY A 15M, code C.
- 2. TWY B 7.5M, code A.

AERODROME OBSTACLES

- 1. Unlit mast 224DEG/2.55NM FM ARP top height 320FT AMSL.
- 2. Lit wind farm 228DEG/1.8NM to 238DEG/1.82NM FM ARP top 315FT AMSL.
- 3. Line of trees 50M both E and W of CL for full length of RWY. Infringes transitional SFC by 5FT.

METEOROLOGICAL INFORMATION PROVIDED

- 1. TAF CAT D, METAR/SPECI.
- 2. AWIS PH 08 6216 2636 - Report faults to BoM.

PHYSICAL CHARACTERISTICS

18/36      179   55a   PCN 10 /F /A /700 (102PSI) /T      WID 30    RWS 90

AERODROME AND APPROACH LIGHTING

RWY 18/36    LIRL(1)    AFRU+PAL 126.7  
(1) Powered by onsite generator. SDBY PWR NOT AVBL.

OTHER LIGHTING

TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA      MELBOURNE CENTRE      122.1 2000FT

LOCAL TRAFFIC REGULATIONS

- 1. All ACFT under 5,700KG to park north of the PRKG clearance.
- 2. ACFT ABV 5,700KG other than RPT to give AD Manager 24 HR PN.
- 3. Light ACFT tie-downs not strength rated.

CTAF - AFRU 126.7

ADDITIONAL INFORMATION

- 1. Local dust during high winds.
- 2. Increased animal hazard. Numerous kangaroos observed airside.

CHARTS RELATED TO THE AERODROME

WAC 3346.

**ELEV 31**

## YSHL

CERT

REMARKS

1. AD Charges: All ACFT.
2. This AD is a security controlled airport.
3. HI VIS and a current ASIC must be worn/displayed airside.
4. All CHTR ACFT are to CTC ARO prior to arrival.
5. Terminal is closed to airside access except for RPT services. Prior approval FM AD OPR must be obtained for access to the terminal building.

Viva Energy - Wollongong Aviation Fuels Operator on site: 1000-1400 Local MON-FRI. Truck refuels AVGAS 100LL and JET A1 (single point AVBL) refuels AVBL by arrangement Phone 0437 323 185 (call out fee applies after 1700 Local MON-FRI and all day SAT-SUN). H24 AVGAS 100LL and JET A1 bowsers - Cards accepted: Fly2Sky, V or MC.

## PASSENGER FACILITIES

HC/LG/RF/WC/TX.

## AERODROME OBSTACLES

1. TWR 197FT AMSL BRG 330 DEG MAG 2,777M FM ARP.
2. LGT 249FT AMSL BRG 082 DEG MAG 2.3NM FM ARP.
3. Trees:
  - a. 46FT AMSL BRG 089 DEG MAG 875M FM ARP. Infringes RWY 08 APCH.
  - b. 68FT AMSL BRG 093 DEG MAG 1,015M FM ARP. Infringes RWY 08 APCH.
  - c. 56FT AMSL BRG 091 DEG MAG 935M FM ARP. Infringes RWY 08 APCH.
  - d. 69FT AMSL BRG 101 DEG MAG 754M FM ARP. Infringes RWY 08 transitional SFC by 7FT.
  - e. 62FT AMSL BRG 087 DEG MAG 976M FM ARP. Infringes RWY 08 transitional SFC by 2FT.
  - f. 74FT AMSL BRG 100 DEG MAG 805M FM ARP. Infringes RWY 08 transitional SFC by 7FT.
  - g. 61FT AMSL BRG 247 DEG MAG 851M FM ARP. Infringes RWY 26 APCH.
  - h. 117FT AMSL BRG 158 DEG MAG 1,306M FM ARP. Infringes RWY 34 APCH.
  - i. 73FT AMSL BRG 172 DEG MAG 741M FM ARP. Infringes RWY 16 transitional SFC by 5FT.
  - j. 68FT AMSL BRG 153 DEG MAG 806M FM ARP. Infringes RWY 34 APCH.
  - k. 106FT AMSL BRG 155 DEG MAG 1,217M FM ARP. Infringes RWY 34 APCH.
  - l. 73FT AMSL BRG 169 DEG MAG 904M FM ARP. Infringes RWY 16 transitional SFC by 10FT.
  - m. 91FT AMSL BRG 336 DEG MAG 1,665M FM ARP. Infringes RWY 16 APCH.
  - n. 64FT AMSL BRG 332 DEG MAG 1,518M FM ARP. Infringes RWY 16 APCH.
  - o. 49FT AMSL BRG 326 DEG MAG 1,147M FM ARP. Infringes RWY 16 APCH.
  - p. 48FT AMSL BRG 326 DEG MAG 1,095M FM ARP. Infringes RWY 16 transitional SFC by 15FT.
  - q. 59FT AMSL BRG 329 DEG MAG 1,438M FM ARP. Infringes RWY 16 APCH.
  - r. 87FT AMSL BRG 326 DEG MAG 1,645M FM ARP. Infringes RWY 16 APCH.
  - s. 60FT AMSL BRG 336 DEG MAG 1,103M FM ARP. Infringes RWY 16 transitional SFC by 14FT.
  - t. 62FT AMSL BRG 332 DEG DEG MAG 1,495M FM ARP. Infringes RWY 16 APCH.
  - u. 70FT AMSL BRG 331 DEG MAG 1,548M FM ARP. Infringes RWY 16 APCH.
  - v. 80FT AMSL BRG 336 DEG MAG 1,575M FM ARP. Infringes RWY 16 APCH.

- w. 50FT AMSL BRG 231 DEG MAG 554M FM ARP. Infringes RWY 08 transitional SFC by 17FT.
- x. 53FT AMSL BRG 337 DEG MAG 910M FM ARP. Infringes RWY 16 transitional SFC by 10FT.
- y. 46FT AMSL BRG 325 DEG MAG 915M FM ARP. Infringes RWY 16 transitional SFC by 31FT.

METEOROLOGICAL INFORMATION PROVIDED

- 1. TAF CAT C, METAR/SPECI.
- 2. AWIS Phone 02 9353 6461 - Report faults to BoM.
- 3. AWIS FREQ 120.35 (requires one-second pulse to activate) - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

|       |     |     |                                |        |        |
|-------|-----|-----|--------------------------------|--------|--------|
| 08/26 | 082 | 44a | PCN 19 /F /D /1205 (175PSI) /T | WID 30 | RWS 90 |
| 16/34 | 157 | 60a | PCN 40 /F /C /1410 (205PSI) /T | WID 30 | RWS 90 |

AERODROME AND APPROACH LIGHTING

|           |         |                |             |               |
|-----------|---------|----------------|-------------|---------------|
| RWY 08/26 | LIRL    | AFRU+PAL 127.3 |             | SDBY PWR AVBL |
| RWY 16/34 | LIRL    | AFRU+PAL 127.3 |             | SDBY PWR AVBL |
| RWY 16    | PAPI    | AFRU+PAL 127.3 | 3.7 DEG69FT | SDBY PWR AVBL |
| RWY 34    | PAPI(1) | AFRU+PAL 127.3 | 3.4 DEG53FT | SDBY PWR AVBL |

- (1) Offset 5DEG W.
- 1. RWY edge light spacing:
  - a. 16/34 - 58M.
  - b. 08/26 - 60M.
- 2. Due to terrain shielding, lights may not be activated if keyed at LSALT beyond 10NM West of the coast.

OTHER LIGHTING

- 1. TWY LGT: Blue edge on D, G and H.
- 2. SDBY PWR switchover time: 28 SEC.

ATS AND AERODROME COMMUNICATION FACILITIES

|     |               |                     |
|-----|---------------|---------------------|
| FIA | SYDNEY CENTRE | 124.55 Circuit Area |
|-----|---------------|---------------------|

RADIO NAVIGATION AND LANDING AIDS

|     |                                  |     |           |            |                  |     |
|-----|----------------------------------|-----|-----------|------------|------------------|-----|
| NDB | WOL                              | 239 | 343328.6S | 1504727.6E | Range 50 (HN 50) | (1) |
| (1) | Range 40 to SW. Pilot Monitored. |     |           |            |                  |     |

LOCAL TRAFFIC REGULATIONS

- 1. RWY 08
  - a. Simulated engine failure EFATO not permitted.
  - b. Use RWY full length for TKOF, emergency OPS exempt.
- 2. RWY grass strips not MNTN for ACFT OPS.
- 3. TWY A and B not AVBL to ACFT ABV 5,700KG MTOW.
- 4. TWY G not AVBL to ACFT ABV 30,000KG MTOW.
- 5. APN Bays 1 to 3 restricted to RPT, CHTR and air ambulance. All other ACFT RQ prior approval FM AD OPR.
- 6. All ACFT taxiing behind large ACFT advised to exercise caution due to prop wash. CTAF communication to determine if ACFT is at idle power.
- 7. RWY 08 landing not AVBL HN due to high terrain. Not applicable to NVIS operations.

FLIGHT PROCEDURES

- 1. Right hand CCTS RWY 26 and 34.
- 2. Helicopter circuit OPS to be conducted in accordance with fixed wing circuit OPS.
- 3. Due to the possibility of conflicts in the circuit area, mandatory CTAF BCST RQ before joining the circuit or OPR on a RWY.
- 4. NGT OPS for air transport ACFT ABV 5,700KG MTOW must be flown from a RWY aligned RNP APCH. Not applicable to NVIS operations.

CTAF - AFRU 127.3

## NOISE ABATEMENT PROCEDURES

1. RWY 34
  - a. Avoid flight over houses on base.
  - b. Position crosswind to avoid overflying houses.
2. RWY 16
  - a. Turn onto crosswind below 700 to be avoided.
  - b. Position base to avoid overflying houses.
3. Circuit training to be avoided before 0800 Local.
4. Avoid TKOF RWY 08 and LDG RWY 26 unless operationally necessary.
5. NGT OPS RWY 16 - avoid TKOF unless operationally necessary.
6. NGT circuit training not permitted after 2200 Local.
7. No run-ups on TWY B N of TWY K.

## ADDITIONAL INFORMATION

1. Ultralight ACFT training.
2. PJE OPS:
  - a. 500M N of Wollongong Light House, APRX BRG 035 DEG, 10NM FM YSHL ARP, WI 2NM RAD, SFC-FL140.
  - b. 1,000M N of Wollongong Light House, APRX BRG 035 DEG, 10NM FM YSHL ARP, exit height up to FL140.
  - c. Shellharbour South Beach, APRX BRG 096 DEG, 4.6NM from YSHL ARP, SFC-FL140.
3. Caution: high terrain exists in the circling area. Circling INSTR APCH at NGT not recommended.
4. Bird hazard exists. Species specific NOTAM will be issued during periods of increased activity.
5. Intermittent plume rise SFC to 1,700FT AMSL BRG 010 DEG MAG 2.6NM from ARP. Beacon light indicates operational.
6. Fly Neighbourly Policy can be found at:  
[www.shellharbourairport.com.au/operational-information/fly-neighbourly-practices/](http://www.shellharbourairport.com.au/operational-information/fly-neighbourly-practices/)

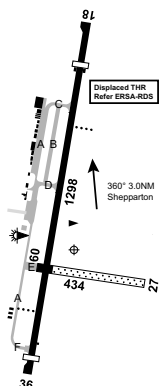
## CHARTS RELATED TO THE AERODROME

1. WAC 3456.
2. Also refer to AIP Departure and Approach Procedures.

## SHEPPARTON

**ELEV 375**

### AVFAX CODE 3055



VIC  
 362544S 1452333E UTC +10 YSHT  
 VAR 11 DEG E CERT  
 AD OPR Greater Shepparton City Council, Locked Bag 1000, Shepparton,  
 VIC, 3632. ARO BH 03 5832 9700. ARO H24 0409 807 065.  
 Fax 03 5821 6901.

### REMARKS

1. AD AVBL to ACFT ABV 5,700KG MTOW by arrangement.
2. Landing fees apply.

### HANDLING SERVICES AND FACILITIES

Gawne Aviation: 2200-0700 UTC DLY, AH PN during BH, PH 03 5823 1481.  
 H24 World Fuel Services AVGAS bowser WFS carnet card and credit card  
 (via smartphone APP) PH 0428 946 172.

### PASSENGER FACILITIES

PT/TX/HC/AC/LG/RF/WC.

AERODROME OBSTACLES

1. Lit TWR:

a. 629FT AMSL (255FT AGL) 2.91NM N of ARP (PSN 362249.69S 1452400.91E).

b. 507FT AMSL (137.1FT AGL) 1,195M NW of ARP (PSN 362512.23S 1452305.44E).
2. Mast

a. Lit 665FT AMSL (285FT AGL) 6.37NM N of ARP (PSN 362053.24S 1452216.69E).

b. Unlit 834FT AMSL (434FT AGL) 7.66NM NE of ARP (PSN 362243.84S 1453214.57E).
3. Tree

a. 75FT AGL BRG 170 MAG 980M FM TKOF RWY 36. Infringes TNS by 7FT.

b. 70FT AGL BRG 350 MAG 1,000M FM ARP. Infringes TNS by 4FT.
4. RWY 18/36 transitional SFC infringed by tree growth on the E side of RWY (PSN 362519.67S 1452341.19E).

METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT D, METAR/SPECI.
2. AWIS Phone 03 8470 3219 - Report faults to BoM.
3. AWIS FREQ 212 - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

|       |     |     |                                 |        |        |
|-------|-----|-----|---------------------------------|--------|--------|
| 09/27 | 088 | 14c | 5700/350 (51PSI) Brown gravel   | WID 30 | RWS 90 |
| 18/36 | 179 | 43a | 5700/450 (65PSI) Sealed Surface | WID 18 | RWS 90 |

AERODROME AND APPROACH LIGHTING

|                                         |         |                          |                      |
|-----------------------------------------|---------|--------------------------|----------------------|
| RWY 18/36                               | LIRL    | PAL 123.9 AFRU+PAL 118.8 |                      |
| RWY 18/36                               | PTBL(1) |                          | BY PRIOR ARRANGEMENT |
| RWY 18                                  | PAPI    | PAL 123.9 AFRU+PAL 118.8 | 3.0 DEG38FT          |
| RWY 36                                  | PAPI    | PAL 123.9 AFRU+PAL 118.8 | 3.3 DEG44FT          |
| (1) EMERG use only - 45 MIN PN required |         |                          |                      |
| RWY edge light spacing: 18/36: 90M.     |         |                          |                      |

OTHER LIGHTING

TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

|                        |                   |                    |
|------------------------|-------------------|--------------------|
| FIA                    | MELBOURNE CENTRE  | 122.4 Circuit Area |
| UNICOM                 | SHEPPARTON UNICOM | 118.8 (1)          |
| (1) 2200-0700 UTC DLY. |                   |                    |

RADIO NAVIGATION AND LANDING AIDS

|                                           |     |     |           |            |                  |     |
|-------------------------------------------|-----|-----|-----------|------------|------------------|-----|
| NDB                                       | SHT | 212 | 362542.1S | 1452345.7E | Range 30 (HN 30) | (1) |
| (1) Pilot monitored - Privately operated. |     |     |           |            |                  |     |

LOCAL TRAFFIC REGULATIONS

1. 15M wingspan limitation applies to TWY A, B, E and F and Taxilane A.
2. Pilots are to exercise caution while taxiing near parked ACFT.

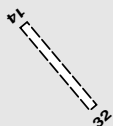
CTAF - AFRU 118.8

NOISE ABATEMENT PROCEDURES

1. Circuit training not permitted BTN 1300-2000 UTC DLY.
2. Practice instrument approaches not permitted below 1,400FT AMSL BTN 1000-2000 UTC DLY.
3. ACFT conducting practice instrument approaches in VMC using RWY 18 must break off the approach and join a normal circuit at 1,400FT AMSL.

CHARTS RELATED TO THE AERODROME

1. WAC 3469, 3470.
2. Also refer to AIP Departure and Approach Procedures.

**SHUTE HARBOUR/WHITSUNDAY****ELEV 40****AVFAX CODE 4406****FULL NOTAM SERVICE NOT AVBL**

QLD  
201642S 1484520E  
AD OPR Whitsunday Airport, PO Box 166, Airlie Beach, QLD, 4802.  
PH 07 4946 9180. Website: [www.whitsundayairport.com.au](http://www.whitsundayairport.com.au).

UTC +10  
VAR 8 DEG E  
YSHR  
UNCR

**REMARKS**

1. PPR CTC AD OPR.
2. Phone ahead for LDG/PRKG details.
3. AD charges: For current fees, charges and pilot guide information refer to website.
4. Daylight OPS only.
5. Fixed and rotary wing OPS.

**HANDLING SERVICES AND FACILITIES**

AVGAS, JET A1. Credit cards only for fuel payment.

**PASSENGER FACILITIES**

AC/RF/TX/Parking

**PHYSICAL CHARACTERISTICS**

RWY 14/32 1,400M. Asphalt with dual taxiways.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 135.5

**LOCAL TRAFFIC REGULATIONS**

1. RWY 14 preferred where possible.
2. DEP using RWY 14, maintain RWY heading until crossing main Shute Harbour road.
3. Carriage and use of radio is required by the AD OPR.

**FLIGHT PROCEDURES**

Right hand CCTS RWY 14/32.

**CTAF - AFRU 127.85**

For Hamilton Island, CTAF ACT outside TWR HR.

**NOISE ABATEMENT PROCEDURES**

1. Avoid overflying houses in Shute Harbour and ADJ to RWY 14/32 THR.
2. All engine run-ups prior to 0700 local, to be conducted at RWY 32 THR.

**ADDITIONAL INFORMATION**

PJE OPS take place overhead RWY. Pilot of jump ACFT will broadcast intentions on the CTAF.

**CHARTS RELATED TO THE AERODROME**

WAC 3234, 3235.

**SINGLETON****ELEV 150****FULL NOTAM SERVICE NOT AVBL**

NSW

UTC +10

YSGT

323700S

1511200E

VAR 12 DEG E

UNCR

AD OPR Singleton Air Services Pty Ltd, PMB 5, Singleton, NSW, 2330.

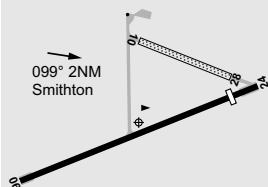
Email: [yanda@hunterlink.net.au](mailto:yanda@hunterlink.net.au). PH 02 6572 3100. PH AH 6572 1688. Fax 6572 2757.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 125.7 On Ground

**CTAF 126.7****CHARTS RELATED TO THE AERODROME**

WAC 3456.

**SMITHTON****AVFAX CODE 7008****ELEV 31****FULL NOTAM SERVICE NOT AVBL**

TAS 405006S 1450501E UTC +10 YSMI  
 VAR 13 DEG E UNCR  
 AD OPR General Manager, Roads & Public Transport, DIER, GPO  
 Box 936, Hobart, TAS, 7001. PH Smithton 03 6452 1153: Hobart  
 6233 3613. Fax Smithton 03 6452 1153: Hobart 6233 2785.

**REMARKS**

AD Charges: All ACFT refer to AD OPR for details.

**PASSENGER FACILITIES**

PT (local and toll free only)/LG/WC/TX.

**SURFACE MOVEMENT GUIDANCE**

RWY 06/24 fixed DIST and TDZ markers not provided.

**METEOROLOGICAL INFORMATION PROVIDED**

1. METAR/SPECI.
2. AWIS PH 03 6283 8605 - Report faults to BoM.

**PHYSICAL CHARACTERISTICS**

06/24 52a PCN 6 / F / B / 550 (80PSI) / U  
 10/28 20c Unrated. Gravel

WID 18 RWS 90  
 WID 30 RWS 90

RWY DTHR 174M.

**AERODROME AND APPROACH LIGHTING**

RWY 06/24 PTBL - EMERG only.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 122.6 2500FT

**FLIGHT PROCEDURES**

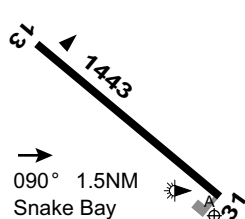
Right hand CCTS RQ when OPR on RWY 24 and 28.

**CTAF** 119.1**ADDITIONAL INFORMATION**

Bird hazard exists.

**CHARTS RELATED TO THE AERODROME**

WAC 3556.

**SNAKE BAY****AVFAX CODE 8012****ELEV 173**

NT 112522S 1303913E UTC +9:30 YSNK  
 VAR 2 DEG E CERT  
 AD OPR Tiwi Islands Regional Council, CMB 22, Milikapiti, Melville  
 Island Via Winnelie Mail Centre, NT, 0822.  
 Email: infrastructure@tiwiislands.nt.gov.au.  
 PH Austin Wonaeamirri 0488 345 162.  
 PH Romel Siplon 0415 622 273. ARO 0427 005 571.

**REMARKS**

1. Night OPS not AVBL EXC for EMERG OPS.
2. LDG fees apply per tonne and part thereof:
  - a. Fixed wing ACFT 8,999KG MTOW: \$40.00/tonne.
  - b. Rotary wing ACFT 2,499KG MTOW: \$40.00/tonne.
  - c. 2,500KG MTOW and over: \$50.00/tonne.

*Note: No charge for Australian Army, Department of Defence, NT Police, balloons and gliders.*



**PASSENGER FACILITIES**

Telstra mobile coverage AVBL.

**AERODROME OBSTACLES**

Line of trees BTN BRG 323 DEG MAG 680M FM ARP infringes transitional SFC by 35FT and BRG 339 DEG MAG 323M FM ARP infringes transitional SFC by 22FT.

**PHYSICAL CHARACTERISTICS**

13/31 127 47a PCN 8 /F /A /580 (84PSI) /U Sealed WID 30 RWS 90

**AERODROME AND APPROACH LIGHTING**

RWY 13/31 LIRL(1) PAL 126.5

(1) EMERG only.

PTBL LGT (flares) not AVBL.

**OTHER LIGHTING**

1. Illuminated WDI UNREL.
2. TWY LGT: Blue edge on A.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 118.15 Circuit Area

**CTAF** 126.5

**ADDITIONAL INFORMATION**

AD on Aboriginal Reserve. Only public area is AD proper. PPR to enter township or Aboriginal Reserve.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3099.
2. Also refer to AIP Departure and Approach Procedures.

**SOLOMON****ELEV 2008****AVFAX CODE 6816**

WA

221517S

1175058E

UTC +8

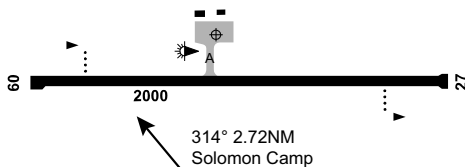
VAR 1 DEG E

YSOL

CERT

AD OPR Fortescue Metals Group Ltd, PO Box 6915, East Perth, WA, 6892.

Email: solomonairport@fortescue.com. ARO MOB H24 0498 498 076.

**REMARKS**

1. PPR 24HR notice RQ FM AD Supervisor or ARO for all unscheduled ACFT OPS.
2. All OPS: Advise AD OPR at least 20 MIN prior to ETA on 132.425, CS 'Solomon Base'.

**HANDLING SERVICES AND FACILITIES**

ACFT marshalling is provided for all ACFT ABV 5,700KG MTOW.

AIR BP - JET A1 CTC AD Supervisor/ARO.

**APRONS AND TAXIWAYS**

APN and TWY suitable for Code 4C ACFT.

AERODROME OBSTACLES

1.

Extensive terrain penetrations to the inner HZS and COS to 2,920FT in the north western and north eastern quadrants of the AD BTN BRG 284 DEG through 058 DEG MAG 1,500M to 6,900M from the ARP.
2.

Terrain lit by flashing MIOL:

a.

3,094FT AMSL BRG 284 DEG MAG 3.8NM FM ARP.

b.

2,346FT AMSL BRG 287 DEG MAG 2.9NM FM ARP.

c.

2,563FT AMSL BRG 290 DEG MAG 2.0NM FM ARP.

d.

2,625FT AMSL BRG 313 DEG MAG 1.2NM FM ARP.

e.

2,661FT AMSL BRG 350 DEG MAG 0.8NM FM ARP.

f.

2,950FT AMSL BRG 052 DEG MAG 1.7NM FM ARP.
3.

Lit TWR 2,398FT AMSL BRG 057 DEG MAG 2.96NM FM ARP.
4.

Marked power transmission poles:

a.

2,201FT AMSL BRG 067 DEG MAG 2.5NM FM ARP.

b.

2,220FT AMSL BRG 068 DEG MAG 2.2NM FM ARP.

c.

2,221FT AMSL BRG 070 DEG MAG 1.9NM FM ARP.

d.

2,230FT AMSL BRG 069 DEG MAG 1.7NM FM ARP.

e.

2,196FT AMSL BRG 067 DEG MAG 1.4NM FM ARP.

f.

2,209FT AMSL BRG 063 DEG MAG 1.2NM FM ARP.

g.

2,194FT AMSL BRG 055 DEG MAG 0.9NM FM ARP.

h.

2,203FT AMSL BRG 041 DEG MAG 0.7NM FM ARP.

i.

2,200FT AMSL BRG 017 DEG MAG 0.5NM FM ARP.

j.

2,202FT AMSL BRG 344 DEG MAG 0.5NM FM ARP.

k.

2,169FT AMSL BRG 319 DEG MAG 0.6NM FM ARP.

l.

2,189FT AMSL BRG 304 DEG MAG 0.8NM FM ARP.

m.

2,178FT AMSL BRG 295 DEG MAG 1.1NM FM ARP.

n.

2,192FT AMSL BRG 290 DEG MAG 1.3NM FM ARP.

o.

2,181FT AMSL BRG 286 DEG MAG 1.6NM FM ARP.

p.

2,183FT AMSL BRG 283 DEG MAG 1.9NM FM ARP.

q.

2,172FT AMSL BRG 281 DEG MAG 2.2NM FM ARP.

r.

2,169FT AMSL BRG 279 DEG MAG 2.5NM FM ARP.

METEOROLOGICAL INFORMATION PROVIDED

1.

TAF CAT C, METAR/SPECI.
2.

AWIS FREQ 128.65 - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

09/27

089

66a

PCN 44 /F /B /1408 (204PSI) /T Grooved.

WID 30

RWS 150

Turn pad for TKOF FM RWY 27 end is centrally located and 45M wide.

AERODROME AND APPROACH LIGHTING

RWY 09/27

LIRL(2)

PAL+AA 120.25

SDBY PWR AVBL

RWY 09/27

PAPI(1)

PAL+AA 120.25

3.0 DEG49FT

SDBY PWR AVBL

RWY 09/27

PTBL(3)

BY PRIOR ARRANGEMENT

- (1)

Left side only.
- (2)

Manual activation of lighting will be performed by the ARO 30 MIN prior to scheduled aircraft arrival and deactivated 15 MIN after departure.
- (3)

90 MIN PN.

1.

RWY edge LGT spacing: 59M.

2.

Lateral spacing of RWY and PAPI LGT suits 30M RWY WID.

3.

Main and SDBY PWR supplied by generators,

OTHER LIGHTING

1.

TWY LGT: Blue edge.
2.

SDBY PWR switchover time: 20 SEC.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

MELBOURNE CENTRE

125.7 Circuit Area

UNICOM

SOLOMON UNICOM

126.7 (1)

(1)

CS "Solomon UNICOM". AVBL for scheduled movements.

**LOCAL TRAFFIC REGULATIONS**

1. ACFT ABV 5,700KG MTOW to use RWY ends for 180DEG turns.
2. Itinerant PRKG CTC AD Supervisor/ARO. Itinerant PRKG to E end of APN.
3. ACFT ABV 5,700KG to follow turn pad markings and avoid pivot turns.

**FLIGHT PROCEDURES**

1. Due terrain no circling to the NORTH.
2. Left hand CCTS RWY 27.
3. Right hand CCTS RWY 09.

**CTAF - AFRU 126.7**

CTAF-AFRU (YBGD) not AVBL on ground, FREQ confirmation by YSOL UNICOM on receipt of TAX DEP call (YSOL UNICOM confirm 126.7).

**ADDITIONAL INFORMATION**

1. CAUTION: Steep sided open drains ADJ to TWY and APN edges.
2. CAUTION: Blasting occurs BTN 2NM and 10NM to the north of the ARP BTN 330DEG MAG and 60DEG MAG.
3. CAUTION: Dust plumes may occur following blasting.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3229.
2. Also refer AIP Departure and Approach Procedures.

**SOMERSBY****ELEV 830****FULL NOTAM SERVICE NOT AVBL**

NSW

UTC +10

YSMB

332204S

1511759E

VAR 12 DEG E

UNCR

AD OPR Somersby Airfield Pty Ltd, 89 Lackersteens Rd, Somersby, NSW, 2250.

Email: yymb.air@gmail.com. PH 0433 574 344. Website: www.ysmb.com.au.

**REMARKS**

1. PPR. AVBL via website.
2. HJ OPS unless by prior arrangement.

**HANDLING SERVICES AND FACILITIES**

AVGAS PN required PH AD OPR. MOGAS on request (V, MC. PayPal).

**PASSENGER FACILITIES**

RF/WC/TX/HC/ME. Advise if ground transport required.

**PHYSICAL CHARACTERISTICS**

17/35                      23c    Natural. Short grass. RWY LEN 700M.                      WID 15    RWS 50  
Slope 2% down to N.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA

SYDNEY CENTRE

125.8

**LOCAL TRAFFIC REGULATIONS**

Visitor parking eastern side mid-field. Hangar parking AVBL on request. Bookings via website.

**CTAF 132.1****CHARTS RELATED TO THE AERODROME**

WAC 3456.



PASSENGER FACILITIES

WC/TX 131 008.

AERODROME OBSTACLES

Tall trees eastern end - DTHR.

PHYSICAL CHARACTERISTICS

08/26      39a/c      Unrated. RWY LEN 1,200M. Bitumen sealed first      WID 8      RWS 38  
1,000M FM THR RWY 08, remainder grass.  
RWY 26 DTHR 200M. Turn pad RWY 08, 20M WID.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA      BRISBANE CENTRE      122.6 Circuit Area

LOCAL TRAFFIC REGULATIONS

- 1. Preferred RWY 26 for DEP.
- 2. Gyrocopters do close circuits.
- 3. Carriage and use of radio is required by the AD Operator.

CTAF 126.7

ADDITIONAL INFORMATION

- 1. Gliding OPS HJ (TUE and SAT) via winch launch on grassed area southern side of paved runway, operating either RWY 08 or 26. Launch possible from SFC to 2,500FT. Joining circuit at mid field crosswind not recommended during gliding OPS. Further details on gliding OPS CTC Bob King (Gliding Club) 0403 088 551.
- 2. Gliders and launch crew monitor and use CTAF frequency.
- 3. Animal hazards exist - kangaroos, flying foxes, birds and feral animals.
- 4. Ponding hazard after rain.
- 5. Model ACFT OPR HJ WI 0.5NM RAD of RWY 08 at South Grafton AD (YSGR), SFC to 1,000FT AGL. OPR will MNT CTAF.
- 6. Caution: Mowing machinery may be operating on airfield.

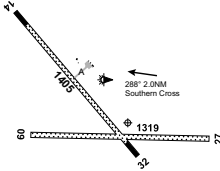
CHARTS RELATED TO THE AERODROME

WAC 3357.

SOUTHERN CROSS

ELEV 1163

AVFAX CODE 6104



WA      UTC +8      YSCR  
311425S      1192135E      VAR 0 DEG W      CERT  
AD OPR Shire of Yilgarn, PO Box 86, Southern Cross, WA, 6426.  
Email: yilgarn@yilgarn.wa.gov.au. PH 08 9049 1001. PH AH Executive  
Manager Infrastructure 0409 791 135: Works Supervisor 0447 156 127.

REMARKS

- 1. AD Charges: ALL ACFT.
- 2. AD 2NM E of Southern Cross Township.

HANDLING SERVICES AND FACILITIES

Nil fuel AVBL.

AERODROME OBSTACLES

- 1. Unlit, unmarked mobile radio mast, height 148FT AGL ELEV 1,674FT AMSL PSN 311950.44S 1191648.00E.
- 2. Towers:
  - a. 1,338FT AMSL APRX BRG 283 MAG 1.89NM FM ARP. Penetrates inner horizontal SFC. Lit
  - b. 1,326FT AMSL APRX BRG 282 MAG 1.88NM FM ARP. Penetrates inner horizontal SFC. Unlit.

METEOROLOGICAL INFORMATION PROVIDED

- 1. TAF CAT D, METAR/SPECI.
- 2. AWIS PH 08 6216 2637 - Report faults to BoM.

PHYSICAL CHARACTERISTICS

|       |     |     |                                                         |        |        |
|-------|-----|-----|---------------------------------------------------------|--------|--------|
| 09/27 | 090 | 43c | PCN 9 /F /A /805 (117PSI) /U                            | WID 30 | RWS 90 |
| 14/32 | 138 | 46c | PCN 9 /F /A /805 (117PSI) /U Sealed 150M from both ends | WID 18 | RWS 90 |

AERODROME AND APPROACH LIGHTING

RWY 14/32 LIRL(1) AFRU+PAL 126.7  
(1) EMERG use only.  
RWY LGT laterally spaced 21M and 88M along length.

OTHER LIGHTING

TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA MELBOURNE CENTRE 123.4 Circuit Area

LOCAL TRAFFIC REGULATIONS

Graded portion of RWY 14/32 and 09/27 strip not AVBL for TKOF and LDG of gliding OPS without prior authorisation from AD OPR.

CTAF - AFRU 126.7

ADDITIONAL INFORMATION

Blasting activity HJ, demolition of explosives at Cornishman minesite, pit blasting activity APRX BRG 180 MAG 2.2NM FM AD.

CHARTS RELATED TO THE AERODROME

1. WAC 3351.
2. Also refer to AIP Departure and Approach Procedures.

SOUTHPORT

AVFAX CODE 4016

FULL NOTAM SERVICE NOT AVBL

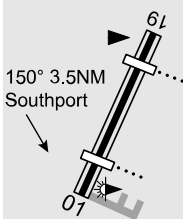
ELEV 5

QLD  
275518S  
AD OPR Southport Flying Club, PO Box 184, Runaway Bay, QLD, 4216.  
PH 07 5594 7394. ARO 0412 412 632: 0418 722 318.

UTC +10  
VAR 11 DEG E

YSPT  
UNCR

150° 3.5NM  
Southport



REMARKS

1. Restricted OPS: PPR FM AD OPR.
2. No public or commercial OPS permitted.
3. Multi ENG OPS not permitted.

AERODROME OBSTACLES

Transition surfaces infringed by trees.

PHYSICAL CHARACTERISTICS

|       |     |                                                     |        |        |
|-------|-----|-----------------------------------------------------|--------|--------|
| 01/19 | 26c | Unrated. Natural. Central 15M sealed. RWY LEN 778M. | WID 18 | RWS 60 |
|-------|-----|-----------------------------------------------------|--------|--------|

1. RWY 01 DTHR 190M.
2. RWY 19 DTHR 140M.

AERODROME AND APPROACH LIGHTING

|           |         |                      |
|-----------|---------|----------------------|
| RWY 01/19 | LIRL(3) | BY PRIOR ARRANGEMENT |
| RWY 01    | PAPI(1) | 5.0 DEG50FT          |
| RWY 19    | PAPI(2) | 5.0 DEG50FT          |

- (1) Right side.
- (2) Left side.
- (3) Contact ARO.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA BRISBANE CENTRE 119.5 On Ground

**FLIGHT PROCEDURES**

1. Right hand CCTS RQ when OPR on RWY 19.
2. COASTAL TRANSIT IN CLASS G AIRSPACE  
Due high density TFC low level coastal ACFT should fly:  
Southbound - 1,000FT AMSL  
Northbound - 500FT AMSL  
**CAUTION: Concentrated TFC BTN Southport and Gold Coast at 500FT - see also GOLD COAST CTAF procedures.**
3. No straight in approaches on either RWY.

**CTAF - AFRU 119.0****NOISE ABATEMENT PROCEDURES**

Noise abatement applies - contact AD OPR.

**ADDITIONAL INFORMATION**

Bird and animal hazard exists.

**CHARTS RELATED TO THE AERODROME**

WAC 3340, 3357.

**SPRING CREEK****ELEV 1700****FULL NOTAM SERVICE NOT AVBL**

QLD

UTC +10

YSPK

183718S

1443406E

VAR 7 DEG E

UNCR

AD OPR PG and NC Fox, PMB 27, Mount Garnet, QLD, 4872. Email: cb.spk@bigpond.com.

PH 07 4097 1415. Fax 4097 1432.

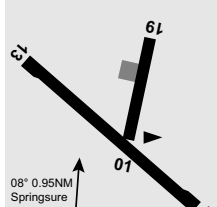
**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

119.8 3000FT

**CTAF 126.7****CHARTS RELATED TO THE AERODROME**

WAC 3219.

**SPRINGSURE****ELEV 1223****FULL NOTAM SERVICE NOT AVBL**

QLD

UTC +10

YSPI

240749S

1480512E

VAR 9 DEG E

UNCR

AD OPR Central Highlands Regional Council, PO Box 21, Emerald, QLD,

4720. Email: airport@chrc.qld.gov.au. PH 1300 242 686.

Mobile 0408 194 913 (H24). Fax 1300 242 687.

Website: www.chrc.qld.gov.au.

**REMARKS**

1. PPR FM AD OPR - Day use only.
2. Commercial and charter OPS not permitted over 2,000KG MTOW.
3. White cone markers, no lighting, no NAV AIDS.

**PASSENGER FACILITIES**

Small terminal AVBL with seating and WC.

**AERODROME OBSTACLES**

OBST (tree, power poles, fences WI etc) are in the immediate vicinity of the AD and infringe the OLS.

**PHYSICAL CHARACTERISTICS**

01/19 20a 2000/ Unrated. Sealed. RWY LEN 604M. WID 15 RWS 45

13/31 40a 2000/ Unrated. Sealed. RWY LEN 1,208M. WID 15 RWS 45

1. Common RWY/RWS length.
2. Tyre pressure is in accordance with AIP 'unrated pavements'.
3. Helipad, concrete.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA BRISBANE CENTRE 122.3

LOCAL TRAFFIC REGULATIONS

All ACFT must roll through and make MAX RAD MNM speed turns at turn pads only.

CTAF 126.7

ADDITIONAL INFORMATION

Assume bird activity, wildlife and stock hazard exists.

CHARTS RELATED TO THE AERODROME

WAC 3340, 3341.

ST ARNAUD

ELEV 640

AVFAX CODE 3038

060° 4NM

St Arnaud

60

535

Displaced THR

Refer ERSA-RDS

8L

3R

1011

27

36

VIC

363812S

1431109E

UTC +10

VAR 10 DEG E

YSTA

CERT

AD OPR Northern Grampian Shire Council, PO Box 580, Stawell, VIC, 3380. ARO 03 5358 8700 (H24).

PHYSICAL CHARACTERISTICS

|       |     |     |                                        |        |        |
|-------|-----|-----|----------------------------------------|--------|--------|
| 09/27 | 087 | 18c | 5700/450 (65PSI) Gravel. Loose stones. | WID 18 | RWS 90 |
| 18/36 | 177 | 33c | 5700/450 (65PSI) Sealed                | WID 18 | RWS 90 |

AERODROME AND APPROACH LIGHTING

RWY 18/36 PTBL(1) BY PRIOR ARRANGEMENT  
(1) EMERG use only can be activated on PAL 120.55.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA MELBOURNE CENTRE 125.8 to W - On Ground (125.8)  
FIA MELBOURNE CENTRE 126.8 to E

CTAF 119.1

CHARTS RELATED TO THE AERODROME

WAC 3469.

STANTHORPE

ELEV 2934

AVFAX CODE 2088

QLD

283713S

1515926E

UTC +10

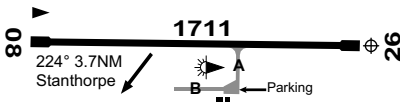
VAR 11 DEG E

YSPE

CERT

AD OPR Southern Downs Regional Council, PO Box 26, Warwick, QLD, 4380.

Mobile 0456 081 993. Fax 07 4681 5540.



REMARKS

- \$12 per tonne MTOW landing fee applies for the use of the AD.
- \$12 per tonne MTOW for parking longer than 24HR.



**APRONS AND TAXIWAYS**

1. TWY A - Code C, WID 15M, bitumen sealed.
2. TWY B - Code B, WID 15M, bitumen sealed.

**AERODROME OBSTACLES**

Hill APRX 3,090FT AMSL LOC 2.03NM W FM W RWS 08 end infringes COS by 41FT.

**PHYSICAL CHARACTERISTICS**

08/26 080 56a PCN 8 /F /A /580 (84PSI) /U WID 30 RWS 90

**AERODROME AND APPROACH LIGHTING**

RWY 08/26 LIRL PAL+AA 120.05

RWY edge light spacing: 08/26: 60M.

**OTHER LIGHTING**

1. TWY LGT: Blue edge.
2. APN LGT AVBL for EMERG use only with PN.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 121.2 Circuit Area

**CTAF** 126.7

**ADDITIONAL INFORMATION**

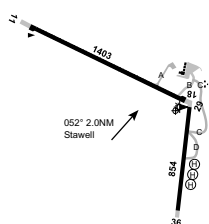
Animal hazard (eastern grey kangaroo) exists WI VCY of AD. Recommend ACFT overfly RWY before landing and conduct a full-length backtrack before departure.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3357.
2. Also refer to AIP Departures and Approach Procedures.

**STAWELL**

**ELEV 807**

**AVFAX CODE 3041**

VIC 370418S 1424425E UTC +10 YSWL  
 VAR 10 DEG E CERT  
 AD OPR Northern Grampians Shire Council, Town Hall, Stawell, VIC, 3380.  
 ARO 03 5358 8700 H24.

**HANDLING SERVICES AND FACILITIES**

AGAIR: JET A1 and AVGAS AVBL H24. Self-serve bowsters activated H24 via AGFIRE carnet card and credit card (via Compac Pay smartphone APP, organisation code: WASN73). JET A1 tanker AVBL to refuel at terminal JO PN. PH 03 5358 2855.

**PASSENGER FACILITIES**

LG/RF/WC.

**METEOROLOGICAL INFORMATION PROVIDED**

1. METAR/SPECI.
2. AWIS PH 03 8470 3220 - Report faults to AD OPR.
3. AWIS FREQ 122.575 (requires one-second pulse to activate) - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

11/29 104 46c PCN 9 /F /D /650 (94PSI) /T Centre 23 sealed WID 30 RWS 90  
 18/36 175 28a 5700/450 (65PSI) WID 18 RWS 90

**AERODROME AND APPROACH LIGHTING**

RWY 11/29 LIRL AFRU+PAL 119.1

SDBY PWR AVBL

RWY edge light spacing: 11/29: 58M.

**OTHER LIGHTING**

1. Secondary PWR switchover time: 15 SEC.
2. TWY LGT: Blue edge on A and B.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 125.8 On Ground

LOCAL TRAFFIC REGULATIONS

1. For all ACFT, casual and short term PRKG use TWY A to the terminal.
2. ACFT below 5,700KG, for longer term PRKG, tie-down area & fuel use TWY B to the APN.

FLIGHT PROCEDURES

1. Right hand CCTS RQ on RWY 18 HJ and RWY 29 HN.
2. Night OPS are prohibited on RWYs 18 and 36.
3. RWY 18 TKOF: At RWY head turn Right to MNTN TR not less than 190DEG MAG.
4. RWY 36 LDG: Base leg must be no further than 2000 FM THR.

CTAF - AFRU 119.1

ADDITIONAL INFORMATION

Kangaroo hazard exists HJ.

CHARTS RELATED TO THE AERODROME

1. WAC 3469.
2. Also refer AIP Departure and Approach Procedures.

STIRLING NORTH/FLINDERS FIELD

ELEV 110

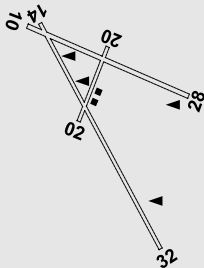
FULL NOTAM SERVICE NOT AVBL

SA  
323203S  
AD OPR Port Augusta Flying Club, 120 Spear Creek Road, Stirling North, SA, 5710.  
Email: jhipwell@gmail.com. PH 0412 141 122.

UTC +9:30  
VAR 7 DEG E

YFFD  
UNCR

1375129E



REMARKS

PPR FM AD OPR for all visiting ACFT.

PASSENGER FACILITIES

WC/RF

AERODROME OBSTACLES

1. Unlit Sundrop TWR 210 DEG MAG 1.22NM FM AD, 417FT AGL.
2. Unlit wind turbines to the S and SE. Highest wind turbine 115 DEG MAG 5.6NM FM AD, 1,016FT AMSL.

PHYSICAL CHARACTERISTICS

02/2021cUnrated. Clay. RWY LEN 650M

10/2849cUnrated. Clay. RWY LEN 1,500M

14/3266cUnrated. Clay. RWY LEN 2,000M

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

MELBOURNE CENTRE

123.9 On Ground

FLIGHT PROCEDURES

1. OPS on RWY 02/20 to the north only, i.e. take-off FM RWY 02 and land on RWY 20.
2. Right hand CCTS for gliding OPS on RWY 28.
3. Right hand CCTS for powered ACFT RWY 10 and RWY 32.

CTAF 126.9

CHARTS RELATED TO THE AERODROME

WAC 3459.

**STIRLING STATION****ELEV 150**

QLD

**FULL NOTAM SERVICE NOT AVBL**

171111S

1414242E

UTC +10

YSTL

VAR 6 DEG E

UNCR

AD OPR Gulf Coast Agricultural Company Pty Ltd, PMB 8, Cairns MC, QLD, 4870.

Email: contact@gulfcoast.com.au. PH 07 4745 3463. Website: www.gulfcoast.com.au.

**REMARKS**

- AD charges: All ACFT.
- PPR.

**AERODROME OBSTACLES**

- Unlit mast 165FT AMSL.
- Telstra phone TWR near homestead.

**PHYSICAL CHARACTERISTICS**

RWY 16/34 1,200M. WID 18M.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

118.6

CTAF 126.7

**ADDITIONAL INFORMATION**

Wallabies on strip around dawn and dusk.

**CHARTS RELATED TO THE AERODROME**

WAC 3220.

**STONEFIELD GLIDING****ELEV 350****FULL NOTAM SERVICE NOT AVBL**

SA

UTC +9:30

YSFG

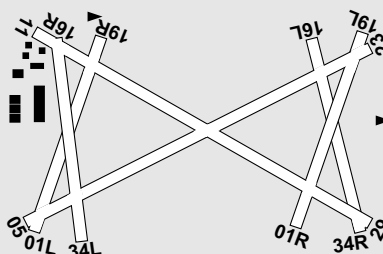
342030S

1391830E

VAR 8 DEG E

UNCR

AD OPR Stonefield Aviation Association, c/-Adelaide University Sports Association, North Tce, Adelaide, SA, 5005. PH 0400 299 571.

**REMARKS**

- PPR.
- AD not AVBL to ACFT ABV 5,700KG.

**PASSENGER FACILITIES**

WC

**AERODROME OBSTACLES**

- Trees THR 01L, 01R, 05, 29 and 34R.
- Unlit/unmarked powerlines W of AD.

PHYSICAL CHARACTERISTICS

|         |     |                                       |        |
|---------|-----|---------------------------------------|--------|
| 01L/19R | 24c | Unrated. Natural SFC. RWY LEN 740M.   | WID 40 |
| 01R/19L | 24c | Unrated. Natural SFC. RWY LEN 740M.   | WID 40 |
| 05/23   | 45c | Unrated. Natural SFC. RWY LEN 1,380M. | WID 50 |
| 11/29   | 46c | Unrated. Natural SFC. RWY LEN 1,400M. | WID 50 |
| 16L/34R | 26c | Unrated. Natural SFC. RWY LEN 780M.   | WID 40 |
| 16R/34L | 24c | Unrated. Natural SFC. RWY LEN 720M.   | WID 50 |

ATS AND AERODROME COMMUNICATION FACILITIES

FIA                      MELBOURNE CENTRE                      125.3 Circuit area

FLIGHT PROCEDURES

Winch launch wires can extend from SFC to 2,500FT AGL. Avoid overflying AD BLW 3,000FT without positive CTC with STONEFIELD GLIDING BASE 126.7.

CTAF 126.7

ADDITIONAL INFORMATION

1.            Gliding OPS HJ. Glider circuit direction at pilot's discretion.
2.            Steinfeld airfield 2NM NE of AD. Stonefield West airfield 3NM NW of AD.
3.            Wildlife hazard. Visiting ACFT are advised to make a precautionary pass.

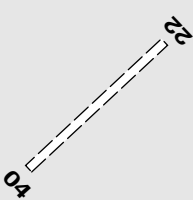
CHARTS RELATED TO THE AERODROME

WAC 3458.

STONEHENGE

ELEV 543

FULL NOTAM SERVICE NOT AVBL



QLD

242123S                      1431729E

AD OPR Barcoo Shire Council, 6 Perkins Street, Jundah, QLD, 4736.

PH 07 4658 6900. ARO 0459 892 184.

UTC +10

VAR 7 DEG E

YSTO

UNCR

PASSENGER FACILITIES

Telephone facilities not AVBL.

PHYSICAL CHARACTERISTICS

|       |     |                                 |        |
|-------|-----|---------------------------------|--------|
| 04/22 | 41a | Bitumen sealed. RWY LEN 1,260M. | WID 18 |
|-------|-----|---------------------------------|--------|

AERODROME AND APPROACH LIGHTING

RWY 04/22            LIRL(1)            PAL+AA 119.65

- (1)            PAL+AA requires three three-second pulses to activate.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA                      BRISBANE CENTRE                      122.1 4000FT

CTAF 126.7

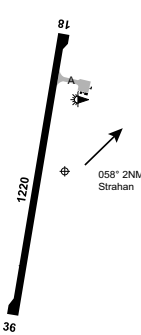
CHARTS RELATED TO THE AERODROME

WAC 3342.

STRAHAN

ELEV 66

AVFAX CODE 7009



TAS  
420920S                      1451729E                      UTC +10  
AD OPR West Coast Council, PO Box 63, Queenstown, TAS, 7467.  
Email: sbutler@westcoast.tas.gov.au. ARO AH 0418 527 972.  
Council PH 03 6471 4700. Website: www.westcoast.tas.gov.au.

YSRN  
CERT

- REMARKS**
- 1. ACFT ABV 5,700KG MTOW - not permitted without prior permission.
  - 2. For all landing fee information visit West Coast Councils website.

**PASSENGER FACILITIES**

WC (AVBL by request)

**METEOROLOGICAL INFORMATION PROVIDED**

- 1. TAF CAT C, METAR/SPECI.
- 2. AWIS PH 03 6283 8607 - Report faults to BoM.

**PHYSICAL CHARACTERISTICS**

18/36                      178    40a    PCN 4 /F /D /450 (65PSI) /U Sealed.                      WID 18                      RWS 90

RWY 18/36 transitional SFC infringed on E side up to 1.2M.

**AERODROME AND APPROACH LIGHTING**

RWY 18/36                      LIRL                      PAL+AA 122.8

RWY edge light spacing: 18/36: 89M.

**OTHER LIGHTING**

TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA                      MELBOURNE CENTRE                      123.95 Circuit Area

**LOCAL TRAFFIC REGULATIONS**

- 1. All OPS to be restricted to sealed surfaces EXC on APN.
- 2. Helicopter takeoff and landing to and FM RWY only and taxi to APN REQ.
- 3. Rotary ACFT must taxi to designated parking at all times.

**FLIGHT PROCEDURES**

Right hand CCTS RQ when OPR on RWY 18.

**CTAF** 124.2

**ADDITIONAL INFORMATION**

- 1. Wildlife hazards exist.
- 2. Unsealed areas may be slippery when wet.

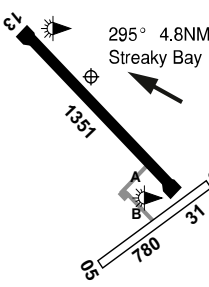
**CHARTS RELATED TO THE AERODROME**

- 1. WAC 3556.
- 2. Also refer to AIP Departure and Approach Procedures.

STREAKY BAY

ELEV 69

AVFAX CODE 5309



SA  
325009S                      1341734E                      UTC +9:30  
AD OPR District Council of Streaky Bay, PO Box 179, Streaky Bay, SA,  
5680. PH 08 8626 1001. PH AH 0429 677 540.

YKBY  
CERT

**REMARKS**

AD Charges: All ACFT.

**PASSENGER FACILITIES**

WC

APRONS AND TAXIWAYS

1. TWY A 10.5M sealed.
2. TWY B 15M unrated gravel. MTOW 5,700KG.

AERODROME OBSTACLES

RWY 13/31 transitional SFC N side infringed by fence up to 3.5FT.

PHYSICAL CHARACTERISTICS

|       |     |     |                 |        |        |
|-------|-----|-----|-----------------|--------|--------|
| 05/23 | 046 | 26c | Unrated. Gravel | WID 18 | RWS 90 |
| 13/31 | 124 | 44a | Unrated         | WID 18 | RWS 90 |

AERODROME AND APPROACH LIGHTING

|                                    |      |              |               |
|------------------------------------|------|--------------|---------------|
| RWY 13/31                          | LIRL | PAL+AA 120.6 | SDBY PWR AVBL |
| RWY 13/31 edge light spacing: 90M. |      |              |               |

OTHER LIGHTING

TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

|     |                  |                    |
|-----|------------------|--------------------|
| FIA | MELBOURNE CENTRE | 123.5 Circuit Area |
|-----|------------------|--------------------|

CTAF 126.7

ADDITIONAL INFORMATION

1. Animal hazard (kangaroo) exists.
2. Caution: ACFT at opposite ends of RWY 13/31 may not be visible to each other.

CHARTS RELATED TO THE AERODROME

1. WAC 3459.
2. Also refer to AIP Departure and Approach Procedures.

SUNNYSIDE

ELEV 705

FULL NOTAM SERVICE NOT AVBL

|                                                                                  |          |              |      |
|----------------------------------------------------------------------------------|----------|--------------|------|
| NSW                                                                              |          | UTC +10      | YSNY |
| 354547S                                                                          | 1465433E | VAR 12 DEG E | UNCR |
| AD OPR Andrew Kotzur, 60 Commercial St, Walla Walla, NSW, 2659. PH 02 6029 4700. |          |              |      |

REMARKS

PPR for all OPS, PH 02 6029 4700.

FLIGHT PROCEDURES

Avoid overflying township.

CTAF 126.7

CHARTS RELATED TO THE AERODROME

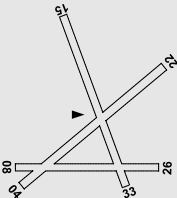
WAC 3457.

SUNRAYSIA GLIDING

ELEV 165

FULL NOTAM SERVICE NOT AVBL

|                                                                                                |          |             |      |
|------------------------------------------------------------------------------------------------|----------|-------------|------|
| VIC                                                                                            |          | UTC +10     | YSRG |
| 341535S                                                                                        | 1420330E | VAR 9 DEG E | UNCR |
| AD OPR Sunraysia Gliding Club Inc, PO Box 647, Mildura, VIC, 3502.                             |          |             |      |
| Email: glidingsunraysia@gmail.com. Mobile 0448 293 927. Website: www.sunraysiaglidingclub.org. |          |             |      |



REMARKS

- 1. PPR.
- 2. HJ OPS only.

AERODROME OBSTACLES

Trees on approach to RWY 08/26.

PHYSICAL CHARACTERISTICS

|       |     |          |        |
|-------|-----|----------|--------|
| 04/22 | 49c | Unsealed | WID 30 |
| 08/26 | 43c | Unsealed | WID 30 |
| 15/33 | 49c | Unsealed | WID 30 |

ATS AND AERODROME COMMUNICATION FACILITIES

FIA MELBOURNE CENTRE 122.1

FLIGHT PROCEDURES

- 1. Right hand CCTS on RWY 04, RWY 08 and RWY 15.
- 2. Avoid overflying airfield, gliders are winch launched with cable up to 2,000FT AGL.

CTAF 118.8

ADDITIONAL INFORMATION

- 1. AD located 2NM SSW of YMIA.
- 2. Ultralight ACFT and manned balloons operate from AD.

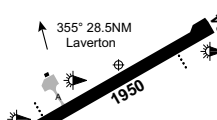
CHARTS RELATED TO THE AERODROME

WAC 3458.

SUNRISE DAM

ELEV 1350

AVFAX CODE 6109



WA

290554S 1222719E

UTC +8

VAR 1 DEG E

YSRD

CERT

AD OPR Anglogold Ashanti Australia Ltd - GPO Box F377, Perth, WA, 6001. Email: inflightess@anglogoldashanti.com. PH 08 9080 3765 (BH). ARO 0437 413 119 (H24).

REMARKS

Restricted OPS: PPR from AD OPR.

HANDLING SERVICES AND FACILITIES

JET A1 private installation. Contact National Jet Express, PH 08 8154 7444.

Email: rsgroundops@nje.aero.

AERODROME OBSTACLES

IWI:

- a. BRG 075 DEG MAG 575M FM ARP. Infringes TNS by 8FT.
- b. BRG 240 DEG MAG 805M FM ARP. Infringes TNS by 8FT.

PHYSICAL CHARACTERISTICS

|       |     |     |                                |        |         |
|-------|-----|-----|--------------------------------|--------|---------|
| 06/24 | 059 | 64a | PCN 25 /F /A /1075 (156PSI) /T | WID 30 | RWS 150 |
|-------|-----|-----|--------------------------------|--------|---------|

AERODROME AND APPROACH LIGHTING

|                              |      |            |             |
|------------------------------|------|------------|-------------|
| RWY 06/24                    | LIRL | PAL 120.25 |             |
| RWY 06/24                    | PAPI | PAL 120.25 | 3.0 DEG49FT |
| RWY edge light spacing: 59M. |      |            |             |

OTHER LIGHTING

TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA MELBOURNE CENTRE 118.4 3,500FT

LOCAL TRAFFIC REGULATIONS

RWY 06/24 - RWY end turning nodes - all turns must be MNM speed MAX RAD.

FLIGHT PROCEDURES

ACFT to avoid flying over mine pit.

**CTAF - AFRU 126.8**

AFRU signal not AVBL on ground Laverton, Murrin Murrin or Sunrise Dam. AFRU located at Leonora.

**ADDITIONAL INFORMATION**

1. Bird Hazard in VCY of AD (falcons or hawks).
2. Animal hazard (kangaroos). ARO will conduct additional RWY inspection prior to scheduled ACFT OPS.
3. Seasonal wetlands may be present at western end of RWY, ducks, swans and birds of prey maybe in VCY.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3352.
2. Also refer to AIP Departure and Approach Procedures.

**SUNSHINE COAST****ELEV 15****AVFAX CODE 4005**

QLD

263612S

1530528E

UTC +10

VAR 11 DEG E

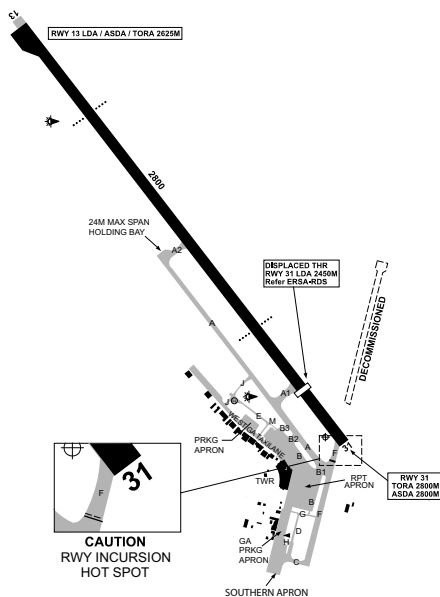
YBSU

CERT

AD OPR Sunshine Coast Airport Pty Ltd, PO Box 9535, Pacific Paradise, QLD, 4564.

PH 1300 993 543. ARO 0419 658 272. PH AH 07 3830 5251.

Website: [www.sunshinecoastairport.com.au](http://www.sunshinecoastairport.com.au).

**REMARKS**

1. AD Charges and Conditions of Use apply to any use of the AD - see website or contact AD OPR for details.
2. Airside access AH requires a call-out (fees apply).
3. This AD is a Security Controlled Airport.



**HANDLING SERVICES AND FACILITIES**

Viva Energy Australia (Airport Refuelling Services): DLY 2000-1000. JET A1 30 MIN PN required. PH 0408 711 968 A/H surcharges apply. AVGAS 24HR via outdoor payment terminal bowser.

Carnet, V and MC.

MACHJET - FBO H24 DLY. PH 0447 182 351 or 07 5457 0778. Email: fbo@machjet.com.au. Full FBO services.

SWISSPORT - FBO email: charters@swissport.com.au or info@skycare.co.nz. PH 0403 455 443.

FLIGHT OPTIONS – FBO PH +61 439 761 124 H24. Email: fbo@flightoptions.com.au.

**General**

AD OPR does not provide marshalling services.

**PASSENGER FACILITIES**

PT/TX/HC/BU/LG/RF/WC/ME

**RESCUE AND FIREFIGHTING SERVICES**

1. CAT 7
  - a. DLY 2030-1145 UTC EXC MON.
  - b. MON 2030-1325 UTC.
2. 131.0 MHz AVBL HO.
3. Water Rescue Service AVBL.

**AERODROME OBSTACLES**

1. Mt Coolool lit 710FT AMSL BRG 340 DEG MAG 2.53NM FM ARP. Infringes inner HZS by 551FT.
2. TWR:
  - a. Lit 834FT AMSL BRG 258 DEG MAG 5.38NM FM ARP.
  - b. Lit communications 212FT AMSL BRG 324 DEG MAG 2.52NM FM ARP. Infringes inner HZS by 49FT.
3. B737/A321 ACFT tail when positioned at TWY F holding point RWY 13/31. Infringes RWY 31 APCH SFC by 14.7FT.
4. Roof unlit 36FT AMSL BRG 084 DEG MAG 240M FM ARP. Infringes RWY 13 TKOF SFC by 4FT.
5. Trees (lit) 257FT AMSL BRG 272 DEG MAG 2.22NM FM ARP. Infringes inner HZS by 95FT.
6. Trees (unlit):
  - a. 179FT AMSL BRG 257 DEG MAG 2.44NM FM ARP, infringes inner HZS by 17FT.
  - b. 52FT AMSL BRG 309 DEG MAG 3,170M FM ARP, infringes transitional SFC by 12FT.
  - c. 61FT AMSL BRG 312 DEG MAG 3,411M FM ARP, infringes RWY 13 APCH SFC by 8FT.
  - d. 69FT AMSL BRG 313 DEG MAG 3,598M FM ARP, infringes RWY 13 APCH SFC by 4FT.
  - e. 72FT AMSL BRG 314 DEG MAG 3,530M FM ARP, infringes RWY 13 APCH SFC by 12FT.
  - f. 63FT AMSL BRG 314 DEG MAG 3,453M FM ARP, infringes RWY 13 APCH SFC by 8FT.
  - g. 59FT AMSL BRG 315 DEG MAG 3,433M FM ARP, infringes RWY 13 APCH SFC by 6FT.
  - h. 66FT AMSL BRG 316 DEG MAG 3,482M FM ARP, infringes RWY 13 APCH SFC by 9FT.
  - i. 66FT AMSL BRG 316 DEG MAG 3,469M FM ARP, infringes RWY 13 APCH SFC by 11FT.
  - j. 562FT AMSL BRG 317 DEG MAG 5.65NM FM ARP, infringes horizontal section RWY 13 APCH SFC by 49FT.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT A, METAR/SPECI, AD WRNG.
2. AWIS PH 07 3564 3738 - Report faults to BoM.
3. AWIS FREQ 119.8 AVBL outside TWR HR - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

13/31 132 92a PCN 74 /F /B /W /T Grooved

WID 45 RWS 300

**AERODROME AND APPROACH LIGHTING**

|           |                                     |                |             |               |
|-----------|-------------------------------------|----------------|-------------|---------------|
| RWY 13/31 | MIRL                                | AFRU+PAL 124.4 |             | SDBY PWR AVBL |
| RWY 13/31 | PAPI                                | AFRU+PAL 124.4 | 3.0 DEG67FT | SDBY PWR AVBL |
| RWY 13/31 | RTIL                                | AFRU+PAL 124.4 |             | SDBY PWR AVBL |
| 1.        | RWY edge light spacing: 13/31: 58M. |                |             |               |
| 2.        | RGL at all RWY/TWY intersections.   |                |             |               |

**OTHER LIGHTING**

- Secondary PWR switchover time: 15 SEC. Does not support TKOF BLW 800M.
- TWY LGT: Green CL on TWY A, A1, A2, B, B1, B2, B3, J, M, F BTN TWY B1 and RWY 13/31 and Western GA Taxilane.

**ATS AND AERODROME COMMUNICATION FACILITIES**

- |      |                       |                                                        |
|------|-----------------------|--------------------------------------------------------|
| FIA  | BRISBANE CENTRE       | 129.0 CCT area - on GND COM CTC 135.2 (outside TWR HR) |
| ATIS | SUNSHINE COAST        | (3) 114.2 (1) 119.8 (2)                                |
| SMC  | SUNSHINE COAST GROUND | 121.1                                                  |
| TWR  | SUNSHINE COAST TOWER  | 124.4                                                  |
- H24.
    - TWR HR only.
    - Also AVBL on PH 07 5458 2955.
    - TWR HR:  
2130-0940 UTC DLY. Phone: 07 5458 2953^.  
*Note: TWR HR may change at short notice, check status of airspace with ATS or Sunshine Coast ATIS.*
  - Sunshine Coast TWR provides combined TWR and APP CTL services within Class D airspace 4,500FT AMSL and BLW DRG TWR HR. CTC TWR for a clearance.
  - Outside TWR HR, Sunshine Coast Class D airspace 4,500FT AMSL and BLW becomes Class G.
  - Brisbane Centre operates Sunshine Coast Class C airspace H24.
  - FIA on ground COMS may be AVBL with ATS dependent on ACFT location and building shielding.

**RADIO NAVIGATION AND LANDING AIDS**

- |     |    |            |           |            |                  |     |
|-----|----|------------|-----------|------------|------------------|-----|
| DME | SU | 114.2/ 89X | 263551.7S | 1530525.1E |                  | (2) |
| NDB | SU | 380        | 263531.9S | 1530530.2E | Range 50 (HN 50) | (3) |
| VOR | SU | 114.2      | 263551.7S | 1530525.1E |                  | (1) |
- Coverage reduced in minor arc 169 to 340 due terrain shielding. Radial 169 not to be used outside 40NM. DME ARR is not AVBL on SU VOR 340 radial. Bending and scalloping on 224 radial at low altitudes.
    - Antenna ELEV 36FT.
    - 172/0.67 to ARP.

**LOCAL TRAFFIC REGULATIONS**

- RWY 31: ACFT ABV 80,000KG MTOW to make 180DEG MAX RAD turns following yellow line at RWY end turning node.
- TWY A BTN TWY A1 and TWY A2, and TWY A2 restricted to MAX wingspan 36M.
- ACFT Holding Bay AVBL to ACFT MAX wingspan 24M (e.g. E35L), located northern side TWY A2.

**TRAINING FLIGHTS**

- All ACFT planning practice instrument APCH and NAVAID training require ATC approval, pilots must book a slot online at [www.bookawk.com](http://www.bookawk.com).
- Circuit training requires ATC approval, pilots must book a slot online at [www.bookawk.com](http://www.bookawk.com). Circuit training permitted only BTN HR of 2100 and 1200 UTC.

## 5. APRONS AND TAXIWAYS

- a. TWY M and J: restricted to MAX 20M wingspan and 10,000KG.
- b. TWY E, D, G and H: restricted to MAX wingspan 15M and 5,700KG (EXCL Cessna 208).
- c. TWY B2 and APN TWY B BTN TWY B1 and B3: restricted to MAX B737/A321.
- d. TWY B3: restricted to MAX 24M wingspan and 10,000KG.
- e. TWY F south of TWY B1 and C: restricted to MAX 36M wingspan (B737/A320).
- f. TWY B3, C, D, H, G and F BTN TWY B1 and C: unlit and restricted to HJ OPS only.
- g. Code D and Code E ACFT restricted to TWY A1, A BTN A1 and F, TWY B1, APN TWY B BTN B1 and G, TWY F north of TWY B1.
- h. TWY G invert into TWY B closed.

## 6. PARKING

- a. Bays 1-3 (south APN) – access via TWY F and C. HJ OPS only.
  - b. Due to security requirements, all ACFT ABV 5,700KG and light jet and turbine ACFT which are not RPT, must obtain prior approval FM AD OPR if they are programmed to stage through or remain at Sunshine Coast. To obtain such approval 48HR notice is required; PH 0419 658 272, AH 07 3830 5251.
  - c. GA ACFT BLW 5,700KG not permitted on main APN without prior approval from AD OPR. Access to the Southern GA APN is via TWY C or G. Access to the Western GA APN is via TWY J, B3 or M.
  - d. Bay 19A and 20A: restricted to ACFT MAX 32M wingspan.
  - e. Bay 19, 19A, 20 and 20A not AVBL to ACFT without prior approval from the AD OPR.
  - f. For any itinerant/GA ACFT requiring to park on the RPT APN, a ground handler/FBO is required to be engaged by the ACFT operator prior to ACFT parking being allocated by AD OPR (exceptions: RFDS/medical/emergency operations).
7. ACFT ABV 5,700KG RQ prior approval of AD OPR to OPR BTN HR of 2300 and 0530 Local. PN for HEL OPS RQ (non EMERG).
8. Ground Running of engines for maintenance purposes RQ prior approval FM ARO.
9. RPT APN Bays pushback RQ.
10. CTAF pushback procedures:
- a. During CTAF, all ACFT on RPT APN Bays RQ to pushback.
  - b. Additional mandatory CTAF ACFT broadcast. ACFT shall broadcast intention to pushback to nominated disconnect point prior to pushback, followed by TAX broadcast when ready as per *AIP GEN*.
11. Southern APN Bays 1, 2, 3 and Southern GA APN HJ only.
12. Pilots to exercise caution on TWY E, BTN TWY M and TWY J due to lack of VIS FM control TWR.
13. MAX Code C ACFT to occupy TWY F RWY hold point when ACFT on APCH to RWY 31.
14. Code D and E ACFT to hold short at INT hold PSN located on APN TWY B south of TWY B1 to inform ATC ready when RWY 31 duty RWY.
15. TWY F RWY holding PSN not AVBL during low VIS OPS.
16. HEL OPS:
- a. Southern GA APN - APCH and depart via TWY F or as directed by ATC.
  - b. Western GA precinct - to avoid construction zone, APCH and depart via TWY A or as directed by ATC.

## FLIGHT PROCEDURES

### 1. ATC TRAFFIC MANAGEMENT SPEED

When **not** on a SID or STAR (including vectoring) - ACFT ARR or DEP SU via Class C airspace must not exceed 250KT IAS when BLW 10,000FT AMSL. Advise ATC if a higher speed is operationally required.

*Note: Pilots must also comply with Class D airspace speed limits. Cancellation of ATC traffic management speeds does not cancel Class D airspace speed limits.*

2. Outside TWR HR - ALL ACFT OPR in circuit area are to BCST position and RWY being used when an inbound call is received FM an ACFT joining the circuit or a call is received FM an ACFT about to taxi.
3. Right hand circuits required when OPR RWY 13 except as directed by ATC.

### CTAF - AFRU 124.4

Outside TWR HR.

NOISE ABATEMENT PROCEDURES

Noise Abatement Procedures (NAP) apply. Refer AIP DAP.

ADDITIONAL INFORMATION

1.

RWY18/36 decommissioned.
2.

Southern end of decommissioned RWY 18/36 – TWY F.
3.

TWY F RWY holding position located 145M from start of take-off RWY 31.
4.

Class D airspace is in close proximity to aerodromes in Class G airspace.
5.

Fuel/oil clean-up/disposal are chargeable and must meet Government Environmental standards.
6.

Bird and animal hazard exists:

a.

Flying fox transiting south to north - HN only.

b.

Nankeen kestrel (birds of prey) present on airfield.

c.

Australian white ibis flocking on airfield HJ.

d.

Increased ducks (Wood/Whistling duck) in VCY of AD, HN.
7.

PJE OPS:

a.

Occasional operations HJ within 1NM of Maroochydore Sporting Complex Oval BRG 194 DEG MAG 3.3NM from ARP, up to FL150.

b.

DLY HJ at Coolum Beach located BRG 351 DEG MAG 4.0NM from ARP, up to FL150.
8.

Model ACFT OPR WI 300M radius of PSN 264005.61S 1530048.34E, BRG 216 DEG MAG 5.7NM FM ARP, SFC to 1,000FT AGL. OPS not ABV 400FT AGL WI Sunshine Coast CTR.

CHARTS RELATED TO THE AERODROME

1.

WAC 3340.
2.

Also refer to AIP Departure and Approach Procedures.
3.

Aerodrome Obstruction Chart Type A: October 2023.

SURAT

306° 0.5NM

Surat

80

20

QLD

270934S

1490434E

AD OPR Maranoa Regional Council, PO Box 620, Roma, QLD, 4455.

Email: [airport@maranoa.qld.gov.au](mailto:airport@maranoa.qld.gov.au). PH 1300 007 662.

ARO 0407 730 531. Fax 07 4624 6990.

Website: [www.maranoa.qld.gov.au](http://www.maranoa.qld.gov.au).

ELEV 837

FULL NOTAM SERVICE NOT AVBL

UTC +10

VAR 10 DEG E

YSRT

UNCR

REMARKS

1.

PPR FM AD OPR.
2.

AD Charges: For current fees and charges refer to website.

AERODROME AND APPROACH LIGHTING

PAL+AA 120.05.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA                      BRISBANE CENTRE                      126.0 4000FT

CTAF 126.7

CHARTS RELATED TO THE AERODROME

WAC 3340.

**SWAN BAY****ELEV 15**NSW  
290257S

1531804E

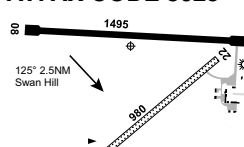
**FULL NOTAM SERVICE NOT AVBL**  
UTC +10  
VAR 12 DEG EYSWB  
UNCR**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

120.3

**CTAF 126.7****CHARTS RELATED TO THE AERODROME**

WAC 3357.

**SWAN HILL****ELEV 234****AVFAX CODE 3025**


VIC  
#352233S 1433158E UTC +10 YSWH  
VAR 10 DEG E CERT  
AD OPR Swan Hill Rural City Council, PO Box 488, Swan Hill, VIC,  
3585. Email: council@swanhill.vic.gov.au. PH 03 5036 2333 (BH only).  
ARO 0400 806 604: 0407 505 607. Fax 03 5036 2340 (BH only).  
Website: www.swanhill.vic.gov.au.

**REMARKS**

- AD charges: All ACFT refer to website for terms of use.
- PPR FM AD OPR for pavement concessions and RPT OPS.
- Night curfew for circuit training between 2200-0700 Local.

**HANDLING SERVICES AND FACILITIES**

BP: AVGAS H24. Mid Murray Flying Club via BP carnet card swipe bowser, otherwise PN required.  
PH 03 5032 2444, 0418 507 221 or Fax 03 5033 1376.

IOR Aviation: JET A1 H24 self-service bowser. Payment via IOR Aviation tag for account holders or  
the Fuelcharge APP, PH 1300 457 467.

**PASSENGER FACILITIES**

TX/HC/WC/ME/LG/RF

**SURFACE MOVEMENT GUIDANCE**

Fixed distance and touchdown markings not provided.

**AERODROME OBSTACLES**

- TWR:
  - 450FT AMSL, 4,950M NNE of ARP.
  - 492FT AMSL 055 DEG MAG 5,680M from ARP.
- High fences:
  - 10FT, 22M W of RWY 08 RWS end.
  - 6.5FT, at RWY 26 RWS end.

**METEOROLOGICAL INFORMATION PROVIDED**

- TAF CAT D, METAR/SPECI.
- AWIS PH 03 8470 3221 - Report faults to BoM.

**PHYSICAL CHARACTERISTICS**

|       |     |     |                                      |        |        |
|-------|-----|-----|--------------------------------------|--------|--------|
| 04/22 | 039 | 32c | 5700/450 (65PSI) Gravel              | WID 23 | RWS 90 |
| 08/26 | 081 | 49a | PCN 6 / F / D /600 (87PSI) /U Sealed | WID 30 | RWS 90 |

**AERODROME AND APPROACH LIGHTING**

RWY 04/22 PTBL(1)

BY PRIOR ARRANGEMENT

RWY 08/26 LIRL PAL 120.6

(1) EMERG only. 1 HR PN. CTC ARO.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE

125.8 2500FT

**RADIO NAVIGATION AND LANDING AIDS**

NDB SWH 407 352249.8S 1433225.1E Range 45 (HN 45) (1)

(1) Pilot monitored.

**CTAF - AFRU 119.1**

**ADDITIONAL INFORMATION**

Bird hazard exists.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3458.
2. Also refer to AIP Departure and Approach Procedures.

**SYDNEY/BANKSTOWN****ELEV 34****AVFAX CODE 2002**

NSW

UTC +10

YSBK

335528S

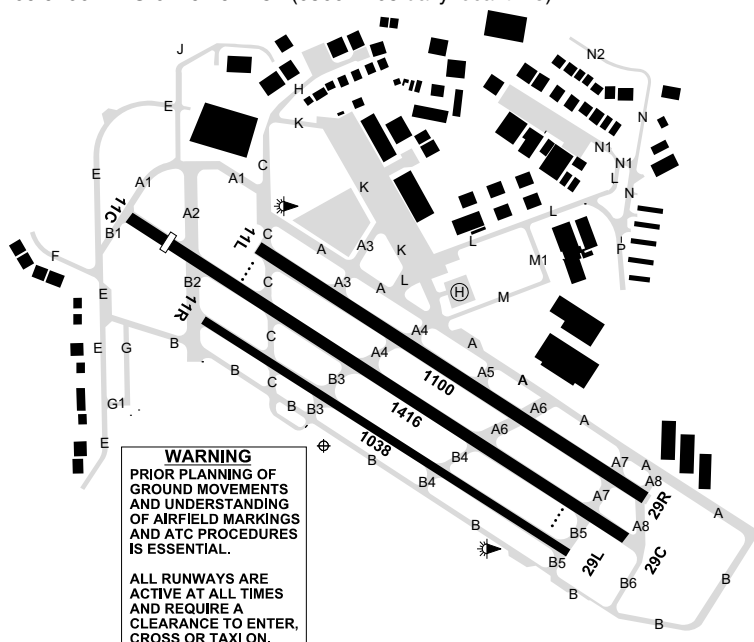
1505918E

VAR 13 DEG E

CERT

AD OPR Bankstown Airport Limited, 16A Airport Avenue, Bankstown Airport, NSW, 2200.

PH 02 8709 9400. ARO 0419 294 432 (0500-2105 daily local time).

**REMARKS**

1. AD Charges: All ACFT - Contact AD OPR for price structure and conditions of use.
2. Turbojet ACFT to OPR only on RWY 11C/29C or RWY 11L/29R.
3. Pavement concessions AVBL for ACFT ABV 20,000KG MTOW with H24 PN.
4. ACFT with wingspan greater than 29M require prior approval.
5. PPR for non-VH registered ACFT.

## HANDLING SERVICES AND FACILITIES

AIR BP – DNA Fuel Pty Ltd: 0600-2000 Local MON-FRI, 0615-1800 Local SAT-SUN. Phone 02 9791 0599, MOB: 0417 687 166 H24, VHF 126.4. AVGAS, F34, JET A1 Plus FSII, Aeroshell Lubricants. Air BP Carnet Card, MC and V. AH call-out fee applies. Taxi arrangements AVBL. World Fuel Services (Australia) Pty Ltd: MON-FRI 0600-1900 Local (2000 AEDT); SAT/SUN 0600-1800 Local. AVGAS and JET A1 refuelling trucks + FSII, H24 Card Swipe AVGAS Bowser, World Fuel Services cards or V and MC via Compac Pay smartphone APP, Mobil and Phillips 66 Lubricants. BH VHF 119.1 or PH 02 9790 2144. Accept World Fuel Services Carnets, AV Cards, AMEX, MC and V for tanker fuelling. AH 0412 585 550 AH call-out fee applies (JET A1 only), 2 HR PN required.

Viva Energy Aviation - Valiant Aviation - 0500 - 2230 Local MON-THU, 0500-2000 Local FRI, 0600-1800 Local SAT and SUN. AH call-out fees apply. PH 02 9791 0053, MOB 0418 113 490, VHF 129.9. AVGAS, JET A1, JETPLUS (FSII) AVBL. VEA carnet and credit card (MC and V) accepted.

Secure Air Charter FBO: H24. Phone 02 9791 6565. Fax 02 9791 6560. AH 0422 555 555. AH by PN.

NAVAIR - FBO Services: Phone 1300 759 722 or email: charter@navair.com.au. H24, VIP Lounge, parking and hangarage AVBL WI 3HR PN. JET A1 and AVGAS AVBL, all cards accepted.

Falconair: FBO Phone 0426 824 227 or 0418 444 834. Email: admin@falconair.com.au. H24 passenger lounge, aircraft parking, short term hangarage and maintenance.

## APRONS AND TAXIWAYS

- Pilots of ACFT using TWY A, note the MAX wingspan is 29M, when passing the TWY A ACFT run-up bay. Area is marked 'MAX WINGSPAN 29M'. ACFT with wingspan greater than 29M require wing tip marshall when passing TWY A ACFT run-up bay.
- TWY E BTN TWY J and TWY B1 not AVBL outside TWR HR.
- Pavement restrictions**
  - TWY C, J, L, P, N, N1, N2, AVBL for ACFT up to 16,000KG.
  - TWY A1, A2, A, A3 north of A, L south of K, K, A7, A8 AVBL for ACFT up to 20,000KG.

## AERODROME OBSTACLES

Lit OBST:

- 212FT AMSL BRG 061 MAG 4,550M FM ARP.
- 266FT AMSL BRG 065 MAG 4,550M FM ARP.
- 300FT AMSL BRG 062 MAG 2,100M FM ARP.
- 269FT AMSL BRG 009 MAG 2,100M FM ARP.
- 256FT AMSL BRG 044 MAG 3,600M FM ARP.
- 222FT AMSL BRG 050 MAG 3,650M FM ARP.

## METEOROLOGICAL INFORMATION PROVIDED

- TAF CAT B, METAR/SPECI, AD WRNG.
- AWIS Phone 02 9353 6403 - Report faults to BoM.

## PHYSICAL CHARACTERISTICS

|         |     |     |                     |        |        |
|---------|-----|-----|---------------------|--------|--------|
| 11C/29C | 111 | 46a | 20000/1050 (152PSI) | WID 30 | RWS 90 |
| 11L/29R | 111 | 36a | 16000/1050 (152PSI) | WID 30 | RWS 90 |
| 11R/29L | 111 | 34a | 5700/580 (84PSI)    | WID 23 | RWS 90 |

## AERODROME AND APPROACH LIGHTING

|             |         |               |                           |
|-------------|---------|---------------|---------------------------|
| RWY 11C/29C | MIRL    | PAL+AA 125.95 | SDBY PWR AVBL             |
| RWY 11C/29C | PAPI    | PAL+AA 125.95 | 3.0 DEG25FT SDBY PWR AVBL |
| RWY 11C/29C | PTBL(1) |               | BY PRIOR ARRANGEMENT      |
| RWY 11C/29C | RTIL    | PAL+AA 125.95 | SDBY PWR AVBL             |
| RWY 11L/29R | PTBL(1) |               | BY PRIOR ARRANGEMENT      |

(1) EMERG only. 60MIN PN.

- RWY edge light spacing: 11C/29C: 60M.
- PAPI AVBL on RQ during ATC HR. PERM operation outside ATC HR. RWY 29 remains preferred RWY direction HN. PAPI signal valid for RWY 11C/29C only.

## OTHER LIGHTING

ABN FLG 4 W

1. SDBY PWR switchover time: 3 SEC.
2. TWY LGT: Green CL.
3. Aeronautical ground lights positioned at:
  - a. BEROWRA (1)
  - b. ROUND CORNER (1)

(1) Strobes aligned with VFR ROUTE BROOKLYN BRIDGE to PROSPECT RESERVOIR as depicted on SYDNEY VTC. Pilot monitored.

## ATS AND AERODROME COMMUNICATION FACILITIES

- |      |                  |                       |
|------|------------------|-----------------------|
| FIA  | SYDNEY CENTRE    | 124.55 SEC. On Ground |
| FIA  | SYDNEY CENTRE    | 125.8 PRI             |
| ATIS | BANKSTOWN        | 120.9 (1)             |
| SMC  | BANKSTOWN GROUND | 119.9                 |
| TWR  | BANKSTOWN TOWER  | 123.6 132.8           |
- (1) or Phone 02 9738 3190
1. FIA FREQ subject to shielding. Use in open areas with line of sight to Control TWR.
  2. TWR HR:
    - a. MON-FRI: 2000-1130 UTC (1 HR earlier HDS)
    - b. SAT and SUN: 2100-0900 UTC (1 HR earlier HDS).
  3. BK TWR provides ATS within Class D airspace SFC to 1,500FT during TWR HRS.
  4. Outside TWR HR airspace becomes Class G. CTAF procedures apply.

## RADIO NAVIGATION AND LANDING AIDS

NDB BK 416 335542.0S 1505918.6E Range 40 (HN 40)

## LOCAL TRAFFIC REGULATIONS

1. Parking:
  - a. ACFT requiring parking in front of Bankstown terminal are required to get prior approval from AD OPR.
  - b. Hardstand parking AVBL for twin engine and turbine ACFT only.
2. Start Clearance Required on SMC FREQ 119.9 for circuit training.
3. Taxiing ACFT shall give way to ACFT vacating a RWY.

## FLIGHT PROCEDURES

### 1. ESTIMATED AIRBORNE TRAFFIC DELAYS

- 1.1. For IFR ARR ACFT:
  - a. May be expected due to terminal area traffic density:
    - (i) 2000-1300 UTC DLY: 15 MIN.

*Note: Actual holding times may differ from holding estimates. Historical data on actual holding is available from the NOMC.*

### 2. ATC TRAFFIC MANAGEMENT SPEED

When not on a SID or STAR (including vectoring) - ACFT ARR or DEP BK via Class C airspace must not exceed 250KT IAS when BLW 10,000FT AMSL. Advise ATC if a higher speed is operationally required.

*Note: Pilots must also comply with Class D airspace speed limits. Cancellation of ATC traffic management speeds does not cancel Class D airspace speed limits.*

### 3. IFR OPERATIONS IN VMC

Pilots electing to commence or terminate an IFR flight under the VFR should communicate such intention at the earliest possible time to ensure their arrival or departure is processed efficiently.

### 4. LOW VISIBILITY OPERATIONS

Low Visibility Operations not AVBL.

### 5. LOCAL PROCEDURES

- 5.1 All ACFT departing into Class G airspace are to change to SYDNEY CENTRE FREQ 124.55, 3NM from BK during TWR HR. Specific transfer instructions will not be issued to VFR aircraft.
- 5.2 Inbound ACFT requiring RWY 11C/29C are to notify ATC on first contact.



6. **LANE OF ENTRY D539A and D539B**
- Flights to YSBK from the North:  
Track FM Brooklyn Road Bridge to South Dural Tanks, and then the NE shore of Prospect Reservoir to join the Bankstown circuit.
  - Flights from YSBK to the North:  
Track via Parramatta CBD, then Pennant Hills and Hornsby. Once north of the Hornsby Railway workshops, proceed either to the Coast (TR 085M) or to Patonga.
  - Noise Abatement:  
Except when on climb or descent, pilots of multi-engined ACFT should operate not below 1,500FT AGL in D539A and D539B, unless operation at this altitude would jeopardise the safe conduct of the flight.
  - If unsure of position request assistance from SYDNEY 125.8.
7. All OPS unable to visually navigate clear of the SY CTR must obtain an airways clearance prior to departure.
8. Airways clearance requests to enter SY CTR must be made on BANKSTOWN GROUND 119.9 during the hours of activation of Bankstown TWR, or SYDNEY CENTRE 125.8 PRI / 124.55 SEC, when BK CTR is deactivated.
9. ACFT DEP in CTA ABV 4,000FT for routes S of Camden may experience DEP delay due to traffic and CTA limitations.
10. Class E operations between 90NM N of Sydney and MAKOR IFR holding occurs in Class E airspace between 40NM to 90NM N of Sydney (VNC Sydney refers).  
Pilots planning VFR flights in the vicinity of MAKOR and beyond should, as far as is reasonably practicable, plan to avoid the Class E airspace in this area due to the intensity of IFR aircraft inbound to and holding for Sydney.
11. **CIRCUIT OPERATIONS**
- 11.1 Circuit Altitude: 1,000FT QNH.
- 11.2 Circuit OPS are to be confined within a 2NM radius of the ARP.
- 11.3 ATC may restrict circuit OPS.
12. **CLASS D**
- Circuit Directions during TWR HR.
    - RWY 11L HJ - left: HN - right (when RWY 11C not AVBL).
    - RWY 11R HJ - right: HN - not AVBL.
    - RWY 11C HJ - left: HN - right.
    - RWY 29L HJ - left: HN - not AVBL.
    - RWY 29R HJ - right: HN - left (when RWY 29C not AVBL).
    - RWY 29C HJ - right: HN - left.
  - OPS on RWY 11C/29C shall conform to the 11L/29R circuit direction (i.e. 11C/11L - left circuit, 29C/29R - right circuit), unless otherwise advised by ATC.
  - Practice instrument approaches may be approved by ATC.
  - CAUTION: HELICOPTERS OVERFLY RUNWAYS MIDFIELD AT 500FT.
  - CAUTION: HELICOPTERS CONDUCT CTS WI THE 11L/29R FIXED WING circuit AT 700FT. *Refer to HELICOPTER OPERATIONS.*
13. **DEPARTURES**
- 13.1 All ACFT requesting an AWY Clearance into Class C airspace shall report 'Ready' on SMC FREQ 119.9 prior to leaving the run-up bays, to avoid congestion at the holding point.
- 13.2 DEP ALT (HJ):
- 1,000FT for RWY 29L, 29C and 29R;
  - 1,500FT for RWY 11L, 11C and 11R.
- 13.3 Outside BK TWR HR, IFR ACFT expect DEP clearance via SID.
- 13.4 **IFR arrivals and departures to the South**
- Pilots are reminded that R555A has RA3 conditional status and a clearance issued by ATC:
    - Into Class C airspace on DEP FM BK; or
    - To leave Class C airspace on descent to BK does not authorise entry into this RA.
- AIP ENR 1.4 Para 5.3.2.2 refers.*

**14. ROUTES**

- a. A VFR ACFT departing into Class G airspace must depart the CTR on an extended leg of the circuit.
- b. VFR ACFT must advise departure intentions with READY Call.
- c. Clearance for VFR ACFT to operate in the BK CTR and VFR ACFT departing into Class G will be issued on BK TWR FREQ.
- d. A takeoff clearance constitutes a clearance to operate within the CTR or depart the CTR in accordance with the intentions notified with the READY Call.

**15. ARRIVALS**

15.1 CTR ENTRY ALT (HJ): 1,000FT for RWYs 11; 1,500FT for RWYs 29.

15.2 ARR VFR ACFT should track via and report at PSP or 2RN.

15.3 After landing remain on 132.8 until clear of all active RWYs, then contact SMC on 119.9 in accordance with AIP.

15.4 Request "taxi guidance" if required.

**16. HELICOPTER OPERATIONS**

*NOTE: THE FOLLOWING PROCEDURES APPLY HJ ONLY. HELICOPTERS SHALL USE FIXED-WING PROCEDURES HN*

**16.1 Local Procedures**

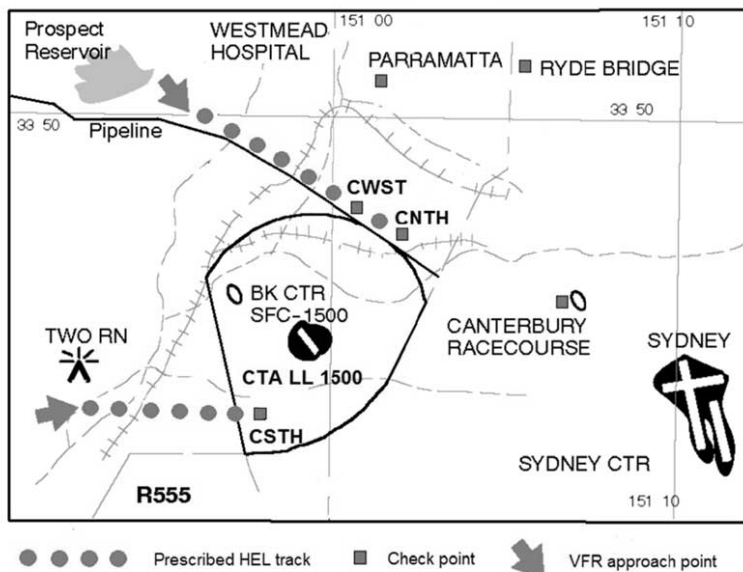
- a. All HEL OPS in the BK CTR shall be conducted at 700FT on BK QNH, unless otherwise advised by ATC.
- b. The HEL circuit is based on the HLS to the N of the 11/29 RWY complex (the Main Pad). The circuit direction shall conform to that of the active RWY. The circuit shall be conducted WI the fixed wing circuit.
- c. Helicopter arrivals and departures may only be conducted using:
  - (i) RWYs and designated helicopter landing sites.
  - (ii) TWY N2 (PPR from AD OPR).
  - (iii) The helicopter APN west of TWY N1(PPR from AD OPR).
  - (iv) Other areas approved by the aerodrome operator.
- d. Unless otherwise authorised by ATC:
  - (i) Arrivals to and departures from TWY N2 - track parallel to Marion Street.
  - (ii) Departures to the west from the helicopter APN - track initially parallel to the runway then parallel to Marion Street.
  - (iii) Arrivals from the west to the helicopter APN - track initially parallel to Marion Street then parallel to the runway.
  - (iv) All other arrivals and departures - track parallel to the runway.
  - (v) Turn after takeoff not permitted below 500 feet.
- e. Operations to the north of Marion Street are not permitted below 500 feet.
- f. Three special HEL check points have been devised to segregate HEL traffic by having it ARR or DEP, beneath the fixed-wing circuit at right angles to and midway along the downwind leg. ATC will instruct each ARR and DEP HEL as to the route to be flown.
- g. The HEL check points are:
  - (i) CHOPPERS NORTH (CNTH) - Northern end of Regents Park Railway Station APRX 300 metres N of the water pipeline;
  - (ii) CHOPPERS WEST (CWST) - Michels Patisserie located 1.2NM West of CHOPPERS NORTH on the water pipeline;
  - (iii) CHOPPER SOUTH (CSTH) - Intersection of two creeks enclosing a sewage treatment works 2.1NM S of ARP.

**16.2 Departures**

- a. HEL shall advise their intentions or preference with the "READY" report.
- b. Departures to the north:
  - (i) For RWY 29 circuit direction: track outbound via CHOPPERS WEST
  - (ii) For RWY 11 circuit direction: track outbound via CHOPPERS NORTH
- c. Departures to the south: after passing CHOPPERS SOUTH, HEL shall turn to track between R555 and 2RN unless instructed otherwise by ATC.

### 16.3 Arrivals

- a. HEL shall make first contact with BK TWR on 132.8 at one of the VFR approach points (not at a HEL check point).
- b. HEL arriving from the north:
  - (i) For RWY 29 circuit direction track inbound via CHOPPERS NORTH and remain N of the pipeline until in receipt of circuit entry instructions. Expect to join circuit on right base.
  - (ii) For RWY 11 circuit direction track inbound via CHOPPERS WEST and remain clear of the control zone until in receipt of circuit entry instructions. Expect to join circuit on left base.
- c. HEL arriving from the south: track inbound via CHOPPERS SOUTH. Expect to overfly the runway complex at 500FT on BK QNH until established NE of the aerodrome. Expect to join downwind for the designated HLS.



### 17. LOW LEVEL POLICE HELICOPTER OPERATIONS

- 17.1 Random low level police HEL OPS will occur in Sydney Class C Airspace ADJ to the BK CTR.
- 17.2 Police HEL will be responsible for maintaining visual separation with all ACFT operating WI the BK CTR. Directed TFC information will not be passed unless ATC considers TFC information is REQ.
- 17.3 Directed TFC may be passed to police HEL about an ACFT operating at BK that is not established inside BK Class D airspace.
- 17.4 Police HEL will be responsible for sighting and avoiding TFC operating at BK or moving away FM the area of conflict.

### 18. VFR COMMUNICATION FAILURE

- a. Carry out Communication Failure procedures in EMERG.
- b. TR via the appropriate VFR approach point.
- c. Enter BK CTR at 1,500FT and TR to overhead the aerodrome at that altitude.
- d. Ascertain landing direction and join the appropriate circuit for the runway selected.
- e. The preferred runway for landing should be the runway nominated in the joining or sequencing instruction or the arrivals/departure runway nominated on the ATIS.
- f. When ready, descend to circuit altitude remaining clear of the other circuit.
- g. Maintain separation from other ACFT.
- h. Proceed with normal circuit and landing.
- i. Watch for light signals from the TWR.

**CTAF - AFRU 132.8**

Outside TWR HR.

**NOISE ABATEMENT PROCEDURES**

All times are in LST (AEST or AEDT, as applicable).

1. **FIXED WING**
  - a. The preferred RWY direction is 29.
  - b. Circuit training is permitted only BTN 0600-2200 Local MON-FRI (0600-2230 Local HDS). BTN 0700 Local and last light SAT-SUN.
  - c. OPS BTN first light and 0700 Local:
    - (i) OPS in the 29 direction shall be confined to RWY 29L, except that RWY 29C may be used if operationally required; and
    - (ii) OPS in the 11 direction shall be confined to RWY 11R, except that RWY 11C may be used if operationally required.
  - d. BTN 1900 (or last light, if later) and 0700 Local, CCTS must be flown only on the southern side of the AD. RWY 11: right circuit; RWY 29: left circuit.
  - e. BTN 2130-2300 Local MON-FRI (2030-2300 Local SAT-SUN), ACFT departing RWY 11 (except circuit TFC) must turn left.
  - f. Low level circuit training not AVBL.
2. **HELICOPTERS**
  - a. Low level HEL OPS are only permitted during the following periods:  
MON-FRI: BTN 0600 (or first light, if later) and 1900 Local (or last light, if earlier).  
SAT-SUN/PH BTN 0900-1800 Local (or last light, if earlier).
  - b. Use of HEL training circuit is permitted only during the following periods:  
MON-FRI: BTN 0700-1900 Local (or last light, if earlier).  
SAT: BTN 0800-1800 Local (or last light, if earlier).  
SUN/PH BTN 0900-1800 Local (or last light, if earlier).
  - c. All other times Fixed Wing Noise Abatement procedures apply.
  - d. Pilots should avoid arriving or departing at low level over populous areas adjacent to the airport.

**ADDITIONAL INFORMATION**

1. Bird hazard exists
  - a. Increased activity during and post rainfall and adverse weather events including Australian white ibis, and ducks.
  - b. Species specific NOTAM will be issued during periods of increased activity.
2. During winds with a southerly or northerly direction component, building induced mechanical turbulence may be experienced on final for RWY 11L/29R, 11C and 11R/29L.
3. Model ACFT OPS WI 400M radius of PSN 334436.00S 1510536.00E BRG 013 MAG 12.3NM FM Bankstown AD (YSBK) SFC to 800FT AGL.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3456.
  2. Also refer to AIP Departure and Approach Procedures.
-

**SYDNEY/KINGSFORD SMITH****ELEV 21****AVFAX CODE 2001**

NSW

UTC +10

YSSY

335646S

1511038E

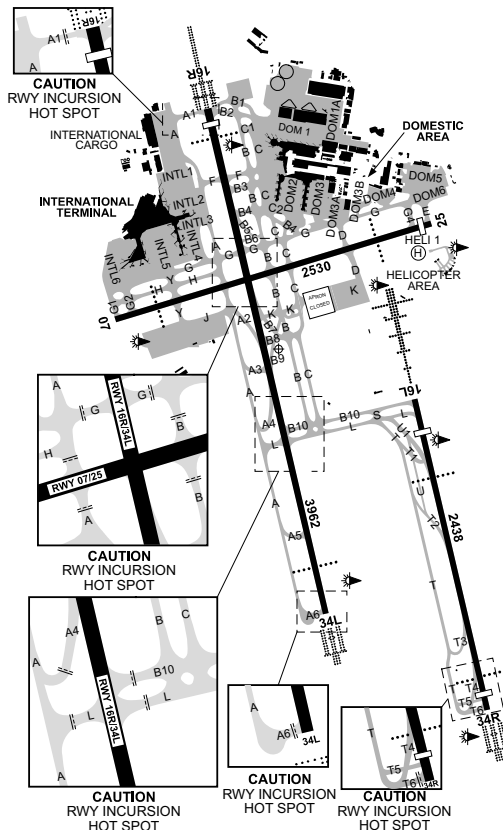
VAR 13 DEG E

CERT

AD OPR Sydney Airport Corporation Ltd, Locked Bag 5000, Sydney International Airport, NSW, 2020. PH 61 2 9667 9111 (BH). ARO OPS (24HR):

Aerodrome Operations Supervisor 02 9667 9824 MOB: 0419 278 208: Email Car2@syd.com.au.

Website: www.sydneyairport.com.au.

**REMARKS**

- AD Charges: All ACFT - Phone +61 2 9667 9111 (BH), Email: aeroquery@syd.com.au.
- This AD is a Security Controlled Airport.

**HANDLING SERVICES AND FACILITIES**

For information regarding refuellers hours, fuel types available and acceptable payments methods contact the following:

AIR BP – Air Refuel: PH: +61 2 9313 4241 or 0418 619 365, VHF 129.9.

Viva Energy: PH: +61 2 9667 4044 (office), +61 2 9667 1920 or 0418 962 294. 0400-2300 Local.

Jet Aviation Australia - FBO Services and VIP Lounge H24. Civil and MIL ACFT.

PH OPS: +61 2 9708 8775 H24. Email: sydfbo@jetaviation.com, VHF 135.95, CS 'Jet Aviation'.

Execujet: FBO services and VIP Lounge H24. Civil and MIL ACFT. IS-BAH Stage II.

PH +61 2 9693 0888 Email: fbo.yssy@execujet.com.au; VHF: 131.95MHz.

Additional contact details for fuel companies, FBO, catering, ramp and other associated services are available from Sydney's Airport web address:

www.sydneyairport.com.au/corporate/partner-with-us/services

RESCUE AND FIREFIGHTING SERVICES

- 1. CAT 10.
- 2. 131.0 MHz AVBL H24. Request via ATC.
- 3. Water Rescue Service AVBL H24.

AERODROME OBSTACLES

- 1. RWY 16R GP transmitter building located ADJ the RWY 16R GP antenna infringes the 5 percent plane of RWY 16R/34L flyover area by APRX 2.6FT.
- 2. Anemometers co-located with each IWDI and obstacle lit where required.
- 3. Telecommunications TWR 223FT AMSL BRG 263 DEG MAG 2.28NM FM ARP. Unlit.
- 4. Cargo container trains OPR BTN the following points:
  - a. BRG 037 MAG 1.05NM FM ARP and BRG 047 MAG 1.09 FM ARP cause a transient infringement of RWY 25 APCH and RWY 07 takeoff surfaces.
  - b. The surfaces are infringed by a maximum of 15FT AGL and the highest point of the containers as they transit is 56FT AMSL.
- 5. RWY 25 Visual Segment Surface (VSS) penetrated by five trees:
  - a. 97FT AMSL BRG 049 MAG 2,083M FM ARP.
  - b. 97FT AMSL BRG 047 MAG 2,111M FM ARP.
  - c. 97FT AMSL BRG 047 MAG 2,112M FM ARP.
  - d. 98FT AMSL BRG 047 MAG 2,118M FM ARP.
  - e. 107FT AMSL BRG 047 MAG 2,178M FM ARP.

*Note: Trees remain clear of VSS obstacle clearance surface.*
- 6. For information regarding temporary or other obstacles refer to NOTAM and/or CTC AD OPR.
- 7. Trees:
  - a. 33FT AMSL BRG 095 DEG MAG 1,260M FM ARP.
  - b. 35FT AMSL BRG 327 DEG MAG 2,212M FM ARP.
- 8. Low Level Windshear Alerting Service (LLWSAS) equipment 9FT AMSL BRG 317 DEG MAG 693M FM ARP.

METEOROLOGICAL INFORMATION PROVIDED

- 1. TAF CAT A, METAR/SPECI, TAF3 H24, AD WRNG, WS WRNG.
- 2. MET INFO AVBL FM Airservices Pilot Briefing. Elaborative briefing FM MWO 02 9296 1526.
- 3. AWIS PH 02 9353 6450 - Report faults to BoM.

PHYSICAL CHARACTERISTICS

- |         |     |      |                                        |        |         |
|---------|-----|------|----------------------------------------|--------|---------|
| 07/25   | 062 | 83a  | PCN 67 /F /A /1750 (254PSI) /U Grooved | WID 45 | RWS 280 |
| 16L/34R | 155 | 80a  | PCN 67 /F /A /1750 (254PSI) /T Grooved | WID 45 | RWS 280 |
| 16R/34L | 155 | 130a | PCN 67 /F /A /1750 (254PSI) /U Grooved | WID 45 | RWS 280 |
- 1. All RWY have CL markings.
  - 2. RWY 16R/34L and RWY 07/25 RWY shoulders asphalt sealed WID 15M.
  - 3. RWY 16L/34R RWY shoulder asphalt sealed WID 7.5M.
  - 4. TWY are asphalt, concrete or a combination of both.

**AERODROME AND APPROACH LIGHTING**

|             |                |             |               |
|-------------|----------------|-------------|---------------|
| RWY 07/25   | HIRL           |             | SDBY PWR AVBL |
| RWY 07/25   | MIRL           |             | SDBY PWR AVBL |
| RWY 07/25   | PAPI(2)        | 3.0 DEG64FT | SDBY PWR AVBL |
| RWY 07      | RTIL           |             | SDBY PWR AVBL |
| RWY 16L/34R | HIRL           |             | SDBY PWR AVBL |
| RWY 16L/34R | PAPI(2)        | 3.0 DEG53FT | SDBY PWR AVBL |
| RWY 16L/34R | RCLL(1)        |             | SDBY PWR AVBL |
| RWY 16L     | HIAL-CAT I     |             | SDBY PWR AVBL |
| RWY 34R     | HIAL-CAT II(3) |             | SDBY PWR AVBL |
| RWY 34R     | RTZL           |             | SDBY PWR AVBL |
| RWY 16R/34L | HIAL-CAT II    |             | SDBY PWR AVBL |
| RWY 16R/34L | HIRL           |             | SDBY PWR AVBL |
| RWY 16R/34L | MIRL           |             | SDBY PWR AVBL |
| RWY 16R/34L | PAPI(2)        | 3.0 DEG64FT | SDBY PWR AVBL |
| RWY 16R/34L | RCLL(1)        |             | SDBY PWR AVBL |
| RWY 16R/34L | RTZL           |             | SDBY PWR AVBL |

(1) 15M spacing

(2) Both sides

(3) Special Authorisation

**1. ALS type and length**

- a. RWY 16L distance coded CL: 900M layout (951M).
- b. RWY 16R – LED type HIAL ALSF II barrette CL 900M layout (816M).
- c. RWY 34L - HIAL ICAO compliant reduced length, 420M layout (415M length) ALSF II barrette CL array.
- d. RWY 34R - HIAL reduced length of 347M ALSF II barrette CL array.
- e. FM the THR RWY 34R:
  - (i) Two side rows of barrettes are provided extending 260.1M.
  - (ii) The first side row barrette is located 28.9M.
  - (iii) A crossbar is provided at 144.5M that fills the gaps BTN the CL and the side row barrettes.
  - (iv) A crossbar is provided at 289M that extends on both sides of the CL barrettes to a distance of 15M FM the CL, the CL barrettes are at longitudinal intervals of 28.9M, with the first CL light 28.9M.
2. RWY edge LGT spacing: 07/25: 57M; 16L/34R: 59M; 16R/34L: 59M.
3. RWY THR LGT: green.
4. RWY end LGT: red.
5. Stop Bar lighting (LED type red with green lead on lights) operating H24 at all RWY/TWY INT.
6. RWY 16L/34R, 16R/34L and 07/25 HIRL, including THR and end lighting are LED type.
7. South west microwave stop bar barrier devices on 1.06M high frangible support posts installed within the obstacle restricted area either side of the following RWY/TWY intersections:
  - a. RWY16R/34L, TWY A1, A6, B1, B2, B3, B4, B10, F, G and L.
  - b. RWY 07/25, TWY A, B South, C North, D, E, G1, G4 and Y.
  - c. RWY 16L/34R, TWY B10, T5 and T6.
8. On RWY 07/25 INT with RWY 16R/34L marked Pattern A RWY HOLD POINT and Stop Bar LGT.
9. The following IWI are in non-standard locations:
  - a. Left-hand side of RWY 16R, approximately 220M upwind from the RWY 16R THR.
  - b. Right-hand side of RWY 34L, approximately 270M upwind from the RWY 34L THR.
  - c. Right-hand side of RWY 07, approximately 180M upwind from the RWY 07 THR.
  - d. Left-hand side of RWY 25, approximately 310M upwind from the RWY 25 THR.
  - e. Left-hand side of RWY 16L, approximately 210M upwind from the RWY 16L THR.
10. RWY 07 illuminated WDI located on the Southern side of the RWY. For winds outside the range of NNE to ESE indications may be affected by terrain.
11. Wheel clearance over the THR for PAPI all RWY use CASA Manual of Standards special minimum of 6M over the THR. Wheel clearance over all RWY ends is not less than 6M.

12. RWY exit and rapid exit TWY lead off CL lighting ALTN green/yellow until clear of ILS areas. Rapid exit TWY 15M spacing; other TWY exits 7.5M spacing.
13. Heliport:
  - a. Helipad H1 circle has white omni-directional lights.
  - b. Helipad H1 has omni-directional white final approach lights located 110M FM the centre of helipad H1 on BRG 084DEG, 264DEG and 354DEG.
  - c. Green taxiway CL lights are provided at the heliport.
  - d. All lights have 3 stages of intensity.
  - e. An illuminated WDI is installed to the E of helipad H1.
14. **LIGHTING COLOUR CODING**
- 14.1. **RWY 07 and RWY 25**
- 14.1.1. RWY edge lighting - THR to RWY end.
  - a. MIRL - intensity white.
  - b. HIRL - white with last 600M yellow.
- 14.2. **RWY 16R and RWY34L**
- 14.2.1. Edge lighting THR to RWY end:
  - a. MIRL - intensity white.
  - b. HIRL - white with last 600M yellow.
- 14.2.2. Centre line lighting THR to RWY end:
  - a. White to 900M FM end, 900M-300M FM end alternating 2 red 2 white, 300M FM end red.
- 14.3. **RWY 16L and RWY 34R**
- 14.3.1. Edge lighting THR to RWY end:
  - a. HIRL - white with last 600M yellow.
- 14.3.2. Centre line lighting THR to RWY end:
  - a. White to 900M FM end, 900M-300M FM end alternating 2 red 2 white, 300M FM end red.

## OTHER LIGHTING

1. Standby PWR switchover time: 1 SEC during LVP: 15 SEC OT.
2. TWY LGT: LED type green CL spaced 30M straight sections, 15M on curved sections. Where RQ yellow intermediate hold point lighting and blue TWY edge and APN edge lights.
3. Runway guard lights (LED type) flashing yellow at all RWY/TWY intersections.
4. Standby PWR generators are alerted when LVP are imminent.
5. LIOL for obstacles on the AD.

## ATS AND AERODROME COMMUNICATION FACILITIES

|        |                         |                           |
|--------|-------------------------|---------------------------|
| FIA    | SYDNEY CENTRE           | 124.55 (17)               |
| FIA    | SYDNEY CENTRE           | 125.8 (16)                |
| ACD    | SYDNEY DELIVERY         | 133.8                     |
| APP    | SYDNEY APPROACH NORTH   | 124.4 (12)                |
| APP    | SYDNEY APPROACH SOUTH   | 128.3 (8)                 |
| APP    | SYDNEY APPROACH WEST    | 135.9 (18) 363.8          |
| APP    | SYDNEY DIRECTOR E       | 125.3                     |
| APP    | SYDNEY DIRECTOR W       | 126.1                     |
| ATIS   | SYDNEY ATIS             | (2) 118.55 126.25         |
| COORD  | SYDNEY COORDINATOR      | 127.6 (19)                |
| DEP    | SYDNEY DEPARTURES NORTH | 123.0 (5)                 |
| DEP    | SYDNEY DEPARTURES SOUTH | 129.7 (4)                 |
| DEP    | SYDNEY DEPARTURES WEST  | (20) 118.4 (13)           |
| PRM    | SYDNEY PRM E            | 133.95 (9)                |
| PRM    | SYDNEY PRM W            | 119.45 (10)               |
| SMC    | SYDNEY GROUND           | (3) 121.7 (14) 126.5 (15) |
| TFC    | SYDNEY TERMINAL         | 135.1 (11)                |
| TWR    | SYDNEY TOWER            | 120.5 (6) 124.7 (7)       |
| VOLMET | AUSTRALIA               | 6676 (1) 11387 (1)        |



- (1) H24, BCST 00 - 05 & 30 - 35. Refer AIP GEN 3.5.
  - (2) AVBL by phone 02 9556 6566 or 02 9556 6567. MAX BCST 5 MIN.
  - (3) All ground checks to be carried out on 126.5. Callsign "Sydney Ground" when unable to contact ACD.
  - (4) Routes S, W & NW
  - (5) Routes N & E. Low level city coverage unreliable.
  - (6) RWYs 16R/34L, 07/25
  - (7) RWYs 16L/34R
  - (8) BTN 45NM S and 10NM N
  - (9) RWY 16L/34R
  - (10) RWY 16R/34L
  - (11) For inbound ACFT to call for allocation of appropriate Control FREQ and airways clearance within 45NM Sydney.
  - (12) BTN 45NM N and 10NM S
  - (13) Routes S, W & NW outside 15NM SY.
  - (14) E of RWY 16R/34L
  - (15) W of RWY 16R/34L
  - (16) FIA North
  - (17) FIA South
  - (18) RI CTR ABV 1,500FT
  - (19) For CDM and related ground OPS.
  - (20) ALTN for DIRECTOR, DEPARTURES or APPROACH frequencies as advised by ATC
- PRM FREQ is to be pilot monitored - not for pilot transmission. PRM FREQ not guarded outside HR of PRM OPS.

## RADIO NAVIGATION AND LANDING AIDS

|      |      |                     |           |            |      |
|------|------|---------------------|-----------|------------|------|
| GBAS | G07A | CH 22790 (RWY07)    | 335748.0S | 1511105.2E | (11) |
| GBAS | G16A | CH 21146 (RWY16R)   | 335748.0S | 1511105.2E | (11) |
| GBAS | G16B | CH 20735 (RWY16L)   | 335748.0S | 1511105.2E | (11) |
| GBAS | G25A | CH 21557 (RWY25)    | 335748.0S | 1511105.2E | (11) |
| GBAS | G34A | CH 21968 (RWY34L)   | 335748.0S | 1511105.2E | (11) |
| GBAS | G34B | CH 22379 (RWY34R)   | 335748.0S | 1511105.2E | (11) |
| DME  | IKN  | 109.3/ 30X (RWY34R) | 335805.8S | 1511129.1E | (1)  |
| GP   | IKN  | 332 (RWY34R)        | 335805.8S | 1511129.3E |      |
| ILS  | IKN  | 109.3 (RWY34R)      | 335651.4S | 1511116.1E | (10) |
| LOC  | IKN  | 109.3 (RWY34R)      | 335651.4S | 1511116.1E |      |
| DME  | IKS  | 109.5/ 32X (RWY16R) | 335558.5S | 1511015.8E | (12) |
| GP   | IKS  | 332.6 (RWY16R)      | 335558.5S | 1511016.1E |      |
| ILS  | IKS  | 109.5 (RWY16R)      | 335801.0S | 1511052.8E | (7)  |
| LOC  | IKS  | 109.5 (RWY16R)      | 335801.0S | 1511052.8E |      |
| DME  | ISN  | 110.1/ 38X (RWY34L) | 335741.1S | 1511053.4E | (6)  |
| GP   | ISN  | 334.4 (RWY34L)      | 335741.1S | 1511053.0E |      |
| ILS  | ISN  | 110.1 (RWY34L)      | 335539.1S | 1511016.0E | (8)  |
| LOC  | ISN  | 110.1 (RWY34L)      | 335539.1S | 1511016.0E |      |
| DME  | ISS  | 110.9/ 46X (RWY16L) | 335715.0S | 1511127.3E | (2)  |
| GP   | ISS  | 330.8 (RWY16L)      | 335715.0S | 1511127.0E |      |
| ILS  | ISS  | 110.9 (RWY16L)      | 335824.1S | 1511140.2E | (3)  |
| LOC  | ISS  | 110.9 (RWY16L)      | 335824.1S | 1511140.2E |      |
| DME  | ISW  | 109.7/ 34X (RWY25)  | 335622.9S | 1511109.5E | (4)  |
| GP   | ISW  | 333.2 (RWY25)       | 335622.6S | 1511109.4E |      |
| ILS  | ISW  | 109.7 (RWY25)       | 335638.9S | 1510943.0E |      |
| LOC  | ISW  | 109.7 (RWY25)       | 335638.9S | 1510943.0E |      |
| DME  | ISY  | 109.9/ 36X (RWY07)  | 335638.7S | 1511002.8E | (5)  |
| GP   | ISY  | 333.8 (RWY07)       | 335638.5S | 1511002.7E |      |
| ILS  | ISY  | 109.9 (RWY07)       | 335613.4S | 1511131.2E |      |
| LOC  | ISY  | 109.9 (RWY07)       | 335613.4S | 1511131.2E |      |
| DME  | SY   | 112.1/ 58X          | 335637.6S | 1511057.4E | (9)  |

- (1) Antenna ELEV 24FT.
- (2) ELEV 31FT
- (3) Antenna ELEV 30FT. ILS RWY 16L Performance Classification II/D/3.
- (4) Antenna ELEV 34FT.
- (5) Antenna ELEV 26FT.
- (6) Antenna ELEV 25FT.
- (7) ILS RWY 16R Performance Classification II/D/3.
- (8) ILS RWY 34L Performance Classification II/D/3.
- (9) DME range limited to 90NM. Antenna ELEV 191FT.
- (10) ILS RWY 34R Performance Classification II/D/3.
- (11) Between 50NM and 23NM from the GBAS site, GLS course deviation information is advisory only. Within 23NM from the GBAS site, GLS course deviation information is approved for the conduct of an Instrument Approach.
- (12) Antenna ELEV 22FT.

## LOCAL TRAFFIC REGULATIONS

- 1. All aircraft must provide their parked position/gate number to ATC on acknowledgement of airways clearance.
- 2. One ENG only permitted to start prior to push back. ACFT with rear mounted ENG 52M wingspan and above not permitted to start on taxilane where a building is located behind ACFT. ACFT permitted to start second ENG at commencement of tow forward or when LCA at tow bar disconnect point.
- 3. ACFT to use MNM PWR whilst entering and exiting aprons.
- 4. DC10/MD11 type ACFT under PWR not permitted to turn FM TWY C to TWY F or TWY B3 due to jet blast on apron.
- 5. Intersection DEP RWY 16R/34L FM TWY B3, B4 and B10 restricted to 36M MAX wingspan.
- 6. Access to corporate aviation apron restricted to 22,000KG MTOW/30M MAX wing span and BLW. ACFT in excess of this are to contact AD OPR prior to arrival for parking arrangements.
- 7. Pilots of ACFT larger than B737/A320 types to exercise caution at all TWY intersections when taxiing on TWY B between B3 and RWY 07/25 or on TWY A. When ACFT larger than B737/A320 types are holding short of the associated RWY, no ACFT larger than B737/A320 types should taxi behind due to insufficient wingtip clearance.
- 8. A340-600, A380-800, A350-1000, B777-300, Antonov AN124 and B748 ACFT OPR RESTR and specific taxi routes apply. Contact AD OPR on +61 2 9667 9888 for ACFT OPR RESTR document.
- 9. B777-300/ER and A350-1000 OPR RESTR. RWY 16L/34R is AVBL.
  - a. TWY routes:
    - (i) Landing RWY 16L vacate onto TWY T6, TWY T, TWY L, right turn onto TWY A.
    - (ii) Landing RWY 34R vacate onto TWY L, right turn onto TWY A or vacate onto TWY B10, TWY S, TWY L, right turn onto TWY A.
    - (iii) TKOF RWY 16L TWY A, TWY L, TWY S, right turn TWY B10 or continue on TWY L for DEP.
    - (iv) TKOF RWY 34R TWY A, TWY L, TWY T, TWY T6.
- 10. Pilots of 4 engine ACFT are to exercise caution when applying PWR on outboard ENG whilst taxiing.
- 11. When ACFT exiting RWY 34L on TWY A2, ACFT northbound on TWY A must hold short of TWY A2 at intermediate holding position marking and ACFT southbound on TWY A must hold short of TWY J or N of RWY 07/25.
- 12. Compass anomaly for turboprop ACFT on intersection DEP RWY 16R at TWY F East, B-3 and TWY G East.
- 13. Fixed wing ACFT landing or taking off must confine operations to sealed runways.
- 14. ACFT turning FM TWY G into TWY G2 use MNM PWR.

**15. TURNING**

- a. TWY A - heading N right turn onto TWY A2, TWY A3, TWY A4, TWY A5 not AVBL.
- b. TWY A2 - No entry FM TWY A or TWY J.
- c. TWY A2 - left turn onto RWY 16R/34L not AVBL.
- d. TWY A2, TWY A3, TWY A4, TWY A5 - left turn onto TWY A not AVBL.
- e. TWY B - heading S - right turn onto TWY B2 not AVBL.
- f. TWY B - Turning into TWY B9 not AVBL.
- g. TWY B - Turning west into TWY B3, TWY B4 and TWY B10 restricted to MAX 36M wingspan.
- h. TWY B1 - W end - left turn onto TWY B2 not AVBL.
- i. TWY B2 - W end - right turn onto TWY B1 not AVBL.
- j. TWY B2 - heading E - left turns onto TWYs B and C not AVBL.
- k. TWY B4 - right turn onto TWY G restricted to MAX 36M wingspan.
- l. TWY B4 - heading N - left turn onto TWY C restricted to MAX 36M wingspan.
- m. TWY B5 - right turn onto TWY B6 not AVBL.
- n. TWY B5 - left turn onto RWY 16R/34L not AVBL.
- o. TWY B6 - left turn onto TWY B5 not AVBL.
- p. TWY B7 - left turn onto TWY K not AVBL.
- q. TWY B7 - right turn onto TWY B8 not AVBL.
- r. TWY B7 - turning onto TWY B9 not AVBL.
- s. TWY B8 - Turning into TWY B7 and TWY B9 not AVBL.
- t. TWY B9 - Turning into TWY B7 and TWY B8 not AVBL.
- u. TWY C - heading S - right turn onto TWY B2 not AVBL.
- v. TWY C - heading N - right turn onto TWY B4 restricted to MAX 36M wingspan.
- w. TWY DOM2 - heading N - right turn onto TWY B4 not AVBL.
- x. TWY DOM2 - left turn onto TWY G restricted to MAX 36M wingspan.
- y. TWY G - left turn onto TWY B4 restricted to MAX 36M wingspan.
- z. TWY G - right turn onto TWY DOM2 restricted to MAX 36M wingspan.
- A. TWY L, TWY T1, TWY T2, TWY T3 and TWY T5 - left turn onto TWY T not AVBL.
- B. TWY T - heading N right turn onto TWY L, TWY T1, TWY T2, TWY T3 and TWY T5 not AVBL.
- C. TWY T1 - turning onto TWY U not AVBL.
- D. TWY T1 - is not AVBL to ACFT exiting RWY 34R.
- E. TWY T1 - is not AVBL to ACFT on TWY Tango.
- F. TWY T3 and TWY T4 right turn onto RWY 16L/34R not AVBL.
- G. TWY T4 - turning onto TWY T5 not AVBL.
- H. TWY T4 - left turn onto TWY T6 not AVBL.
- I. TWY T5 - turning onto TWY T4 not AVBL.
- J. TWY T6 - right turn onto TWY T4 not AVBL.
- K. TWY U1 - turning onto TWY U not AVBL.
- L. RWY 16R - heading S right turn onto TWY A2 not AVBL.
- M. RWY 16L - heading S right turn onto TWY T5 not AVBL.
- N. RWY 16L - heading S right turn onto TWY L, TWY T2 and TWY U1 not AVBL except T2 HJ only to non-jet ACFT with 30M MAX wingspan.
- O. RWY 34R - left turn onto TWY T4, TWY T5 or TWY T3 not AVBL.
- P. RWY 34L - right turn onto TWY B5 not AVBL.

**16. TAXIWAY RESTRICTIONS**

- a. TWY B and TWY C, BTN RWY 07/25 and TWY B10 not AVBL to A380 ACFT due to weight limitations.
  - b. TWY T1 restricted to 52M MAX wingspan.
  - c. TWY B5 and B6 not AVBL to ACFT ABV 22,000KG MTOW. MAX tyre pressure 1,400kPa.
  - d. TWY C BTN TWY B2 and TWY F is restricted to ACFT with MAX 52M wingspan when an ACFT with 65M or greater wingspan operating on TWY B BTN TWY B2 and TWY F.
  - e. TWY C BTN TWY F and TWY B4 speed restriction MAX 20KTS applies to all ACFT ABV 52M wingspan.
  - f. TWY C BTN TWY F and TWY B4 restricted to 60.4M MAX wingspan.
  - g. TWY C2 restricted to MAX 36M wingspan.
  - h. TWY DOM2 N of TWY B4 restricted to MAX 36M wingspan.
  - i. TWY DOM3 restricted to MAX 36M wingspan.
  - j. TWY F west restriction - B747/B767 type ACFT - TWY not AVBL for INT DEP or taxiing east towards RWY 16R/34L. ACFT under tow permitted.
  - k. TWY K run-up bay RESTR to MAX 23M wingspan.
  - l. TWY T2, T3, T5, U restricted to ACFT with less than 18M wheel base and MAX 36M wingspan due 15M wide TWY.
  - m. OPS on DOM 1A at night when VIS is less than 1,200M are not permitted.
  - n. When an A380 is on TWY B2, TWY B1 restricted to ACFT MAX wingspan 52M.
  - o. ACFT entering and exiting APN using TWY INTL 1 and INTL 2 are RQ to use MNM PWR.
  - p. Due to jet blast hazard to OPS on Bays 11 and 12, ACFT with wingspan greater than 52M entering Bays 8, 9, 10, 24 and 25 must not apply breakaway or greater thrust.
  - q. ACFT with wingspan greater than 52M that have pushed back from Bay 25 and RQ a return to bay will be allocated a new bay and will not be permitted to return to Bay 25.
  - r. TWY H not AVBL for A380 ACFT when RWY 07/25 in use.
  - s. TWY H not AVBL during the following:
    - (i) RWY 07 arrivals.
    - (ii) RWY 25 arrivals when VIS is less than 5,000M or cloud base less than 1,500FT.
17. For standard taxiway routes refer to AIP DAP.
18. Simultaneous access to INTL bays 9, 10 and 24 by all ACFT types not permitted.
19. INT DEP RWY 16L FM TWY T1 not AVBL.
20. INT DEP RWY 34R FM TWY T3 not AVBL.
21. DOM1A restricted to MAX 28.5M wingspan. Special PROC apply. OPS WI DOM1A require prior approval CTC Qantaslink movements 134.525.
22. Qantas Bays 64 to 70 use of pilot stop line permitted only when marshaller not AVBL during thunderstorm activity.
23. To prevent jet blast issues on opposite ACFT parking bays where visual docking guidance system or marshaller is not AVBL, ACFT must hold on the taxiway/taxilane until visual docking guidance system or marshaller is AVBL before proceeding onto bay.
24. **U-TURNS ARE NOT PERMITTED AS FOLLOWS:**
- a. RWY 16L/34R all ACFT.
  - b. RWY 16R/34L ACFT greater than 36M wingspan.
  - c. RWY 07/25 ACFT greater than 36M wingspan.
25. When B747-8 is parked on International ACFT PRKG Bay 25 and an A380-800 is arriving or departing International ACFT PRKG Bay 24 wingtip clearance is reduced by 0.9M from 7.5M to 6.59M.
26. If the visual docking guidance system on International ACFT PRKG Bay 24 is not serviceable and ACFT PRKG Bay 25 is occupied by a B748 ACFT, A380 ACFT will not be permitted to use ACFT PRKG Bay 24. If the visual docking guidance system on International ACFT PRKG Bay 25 is not serviceable and ACFT PRKG Bay 24 is occupied by a A388 ACFT, B748 ACFT will not be permitted to use ACFT PRKG Bay 25.

## FLIGHT PROCEDURES

### 1. ESTIMATED TRAFFIC DELAYS

- 1.1. Estimated airborne traffic delays for ARR ACFT may be expected due to terminal area traffic density and/or single RWY operations:

DLY: 20MIN

EXC 2100-0100 UTC MON-FRI (1HR earlier during HDS), all ACFT that do not meet the requirements for precision RWY monitor (PRM) OPS: 30 MIN.

*Note 1: Actual holding times may differ from holding estimates. Historical data on actual holding is available from the NMC.*

*Note 2: Outside the hours of daylight saving, FLT SKED BTN 2000-2059 UTC that are earlier than SEMAP arrival fix time - 30 MIN may expect further DLA associated with curfew restrictions.*

### 2. ATC TRAFFIC MANAGEMENT SPEED

- 2.1. When not on a SID or STAR (including vectoring) - ACFT ARR or DEP SY must not exceed 250KT IAS when BLW 10,000FT AMSL. Advise ATC if a higher speed is operationally required.
- 2.2. At Sydney, a go-around from a visual approach in VMC must be carried out:
- in accordance with the GLS or ILS missed approach procedure for the RWY the ACFT is using, or
  - as directed by ATC.
- 2.3. Circling APCH PROC to RWY 16L/34R at night is not permitted.

### 3. AIR TRAFFIC FLOW MANAGEMENT PROCEDURES

#### 3.1 Slot Management Scheme

Sydney Slot Management Scheme is applicable to all airline and ACFT operators using Sydney airport. All flights operating into and out of Sydney must obtain an Airport Coordination Australia (ACA) slot in accordance with *AIP ENR 1.9*.

#### 3.2 Ground Delay Program (GDP) Inbound

Sydney GDP is applicable to all fixed wing, non-priority flights departing from all Australian domestic airports, and arriving at Sydney BTN 2000-1300 UTC, as adjusted by daylight saving time variations.

Flights to Sydney during the operation of GDP must obtain an ACA slot and Calculated Off Blocks Time (COBT) in accordance with *AIP ENR 1.9*. The COBT can be obtained through their company or the National Operations Management Centre on 1800 020 626^.

In addition, flights departing from Bankstown or Camden for a landing in Sydney must contact ATC on 02 9556 6515 prior to starting engines.

#### 3.3 GDP Outbound

After receiving Airways Clearance, all aircraft subject to GDP are required to report when ready for pushback/taxi on Sydney Coordinator FREQ 127.6 MHz. If required, Sydney Coordinator will check compliance with COBT and apply relevant ATFM procedures.

Sydney Coordinator will advise aircraft to monitor Ground on 121.7 MHz or 126.5 MHz as appropriate. Do not contact Ground, monitor only. SMC will initiate contact with the aircraft when able to process.

### 4. PRECISION RUNWAY MONITOR (PRM) OPERATIONS

- 4.1. When PRM OPS is nominated on the ATIS, pilots must advise ATC prior to 120DME SY (or on first CTC with ATC if departing WI 120DME SY) if unable to participate.

*Note 1: Refer to DAP EAST SY PRM User Instructions.*

*Note 2: During PRM OPS, PRM-capable ACFT will be afforded priority over ACFT that are not PRM capable.*

*Note 3: A serviceable Mode S transponder is required to participate in PRM operations.*

### 5. RADIO FAILURE PROCEDURES - INDEPENDENT VISUAL APPROACHES

- 5.1 In the event of a radio failure (or blocked FREQ) on the DIRECTOR FREQ, pilots must comply with the following actions:

- ON PILOT NAVIGATION (IF VISUAL)

SQUAWK 7600 immediately.

Track to intercept final at a MAX 30DEG prior to the IAF of the nominated RWY.

**DO NOT PASS THROUGH FINAL FOR THE NOMINATED RWY.**

- ON A RADAR ASSIGNED HEADING

SQUAWK 7600.

Maintain assigned vector for no longer than 2 minutes. Track as required to join final for the nominated RWY at a MAX 30DEG intercept to commence final.

**DO NOT PASS THROUGH FINAL OF THE NOMINATED RWY.**

- 5.2 Pilots should attempt to contact the alternate DIRECTOR FREQ (126.1/125.3). Attempts should also be made on the TWR FREQ.

6. **ARRIVAL PROCEDURES**

- 6.1. By day, ATC may use 2,400M RWY separation between ACFT ARR to RWY 16R/34L. Both ACFT may occupy the RWY during application of the standard.
- 6.2. ACFT up to and including A330/B787/B772 type may be processed to land on either of the parallel RWY 16L/R or 34L/R.
- 6.3. ACFT landing RWY 16R RQ approval to vacate to the left on TWY F, B3 and B4.
- 6.4. ACFT landing RWY 16L/34R are to remain on TWR frequency 124.7 until W of TWY S and then contact Ground frequency 121.7.
- 6.5. ACFT landing RWY 34R and vacating TWY T2 are to TAX via TWY U and TWY U1 unless otherwise advised.
- 6.6. ACFT landing RWY 07/25 RQ approval to vacate on TWY C.
- 6.7. All ARR ACFT are required to advise PRKG bay on first contact with SY GND.

7. **DEPARTURES**

- 7.1. Departures shall normally be cleared in the order in which they are ready for takeoff, except that deviations may be made from this order to facilitate the maximum number of departures with the least average delay.
- a. Intersection DEP by jet ACFT on RWY 34L are NOT PERMITTED. In the event TWY A6 is not available for DEP due TWY or RWY availability, TWY A5 may be used for jet ACFT DEP on RWY 34L.
- b. RWY 16R for DEP to S, W and NW, and DEP FM the INTL terminal.
- c. RWY 16L for DEP to N and E.
- d. RWY 34L for DEP to the W, NW and non-jets to the S, and DEP FM the INTL terminal.
- e. RWY 34R for DEP to the N and jets to the S.

*Note 1: ACFT which operationally require to use RWY 16R/34L or RWY 07/25 must notify ATC at Clearance Delivery Stage.*

*Note 2: DEP ACFT up to and including A330/B787/B772 type may request or be offered DEP from RWY 16L/34R at Clearance Delivery Stage.*

*Note 3: JET DEP to South may be assigned RWY 16L for traffic management purposes.*

8. **GROUND CONTROL**

- 8.1 Unless directed otherwise by ATC, the following taxiway routes apply:

TWY B - northbound

TWY C - southbound

TWY B10 - eastbound between TWY C and RWY 16L/34R

TWY L - westbound between RWY 16L/34R and TWY B

8.2 **Tug Operations**

All tugs requesting clearance for pushback and/or tow, must make initial contact with Sydney Coordinator on 127.6 MHz.

Sydney Coordinator will advise the tug to monitor Ground on 121.7 MHz or 126.5 MHz as appropriate.

Do not contact Ground, monitor only.

SMC will initiate contact with the tug when able to process their operation.

8.3 **Repositioning Aircraft**

All aircraft requesting repositioning must make initial contact with the Sydney Coordinator on 127.6 MHz.

Sydney Coordinator will advise the repositioning aircraft to monitor Ground on 121.7 MHz or 126.5 MHz as appropriate.

Do not contact Ground, monitor only.

SMC will initiate contact with the repositioning aircraft when able to process their operation.

8.4 **Engine Runs**

All aircraft requiring engine runs must make initial contact with the Sydney Coordinator on 127.6 MHz, and advise the relevant engine run approval number (Refer *Additional Information Note 5*).

Sydney Coordinator will advise the aircraft to monitor Ground on 121.7 MHz or 126.5 MHz as appropriate.

Do not contact Ground, monitor only.

SMC will initiate contact with the aircraft when able to process the engine run.

**9. LOW VISIBILITY****9.1 Operations**

- 9.1.1 For CASA approved operators, RWY 16R/34L and 16L/34R are capable of supporting takeoffs with an RVR of not less than 125M.
- 9.1.2 For CASA approved operators, RWY 07/25 is capable of supporting takeoffs with an RVR of not less than 350M.

**9.2 Procedures**

- 9.2.1 Preparations for the activation of Low Visibility Procedures (LVP) are commenced when visibility has reduced to 2,000M. This ensures that the LVP are in force at or just prior to the visibility reducing to 800M.
- 9.2.2 When visibility reduces to 2,000M or below and/or observed cloud base is BKN or OVC at or below 600FT, ATC will protect the ILS by using the CAT I/II RHP at TWY A and CAT I RHP at TWY T.
- 9.2.3 All aircraft required to depart from the full length of the assigned runway.
- 9.2.4 Aircraft under tow during LVP require SYD Safety Vehicle escort. Contact Car 2 on 02 9667 9824 to request Safety Vehicle attendance.
- 9.2.5 Any pilot unsure of their position whilst operating on the Manoeuvring Area must Hold Position (STOP) and immediately advise ATC.
- 9.2.6 Radio failure - Aircraft must hold position and await further guidance from a Follow Me vehicle.
- 9.2.7 Instrument RVR provided at touchdown zone, midpoint zone and end zone for each RWY.
- 9.2.8 ATC uses Advanced Surface Movement Guidance Control System (A-SMGCS) to monitor ACFT and vehicles on the Manoeuvring Area.
- 9.2.9 If A-SMGCS is Unserviceable during LVP:
- a. ATC will further restrict aircraft and vehicles access to and movements on the Manoeuvring Area.
  - b. Position reporting procedures will be implemented as required by ATC.
- 9.2.10 **A380 ACFT during Low Visibility**
- a. During LVP the following TWY RESTR apply to A380 ACFT:
    - (i) A380 ACFT to DEP FM TWY A1 and A6 when OPR RWY 16R/34L.
    - (ii) TWY F not AVBL for INT DEP.
    - (iii) A380 ACFT under TOW not permitted to cross RWY 16R/34L.
  - b. Additional RESTR apply to A380 ACFT during LVP as the ILS critical and sensitive areas are obstructed by A380 ACFT tail when holding at RWY hold points. For INFO on the RESTR CTC AD OPR on 61 2 9667 9888 (BH) or 61 2 9667 9824 (24HR) for ACFT OPR RESTR DOC.
  - c. Refer to *AIP DAP* for Aerodrome Ground Movement Chart.

**10. AIRWORK IN THE SYDNEY TERMINAL AREA**

- 10.1 Pilots intending to conduct airwork within 45NM of YSSY must obtain approval from Sydney ATC, PH 02 9556 6853<sup>^</sup>. Survey or airwork maps should be submitted at least 30MIN prior to making contact. Survey flights are subject to TFC and ATC workload. Operational restrictions can be expected, including possible delays.
- 10.2 Helicopter banner towing is not permitted to or from the aerodrome.
- 10.3 Flight notification acceptance by radio is subject to ATS workload. VFR operations in Sydney Class C airspace should flight plan prior to departure. Failure to do so may result in lengthy delays.

**11. TRAINING FLIGHTS**

- 11.1 Training is not permitted at SY except as set out in the following paragraphs.
- 11.2 At any time, ARR Scheduled ACFT may be permitted to carry out a PILS or LOC APCH at the conclusion of each leg of flights to SY, provided that:
- the pilot in command has stated that the APCH is RQ for licence renewal purposes; or
  - the ACFT lands straight ahead and does not use a RWY other than the RWY currently in use, merely for the purpose of carrying out the practice.
- 11.3 All training is at the discretion of ATC as TFC and workload permit.
- 11.4 ILS training is also AVBL at RI. See separate entry for conditions.
- 11.5 Flying Operations Inspector test and check flights are permitted on any of the aids in the SY Terminal Area, subject to appropriate warning and ATC TFC handling capacity.
- 11.6 No helicopter training is permitted to or from the heliport.
- 11.7 Airline companies may carry out ACFT checking and testing flights, other than under asymmetric COND, but these will be limited to 2 circuits by any company in one day.
- 11.8 MIL ACFT on PILS or LOC APCH must intercept the LOC at or ABV 3,000FT.

**12. LOW LEVEL POLICE HELICOPTER OPERATIONS**

- 12.1 Random low level police HEL OPS will occur in Sydney Class C Airspace.
- 12.2 HEL will operate outside an exclusion area based on each RWY THR at SY and not ABV 700FT.
- 12.3 Mutual traffic information will not be passed BTN police HEL and fixed wing ACFT arriving and departing SY unless ATC considers TFC information is REQ.
- 12.4 TFC information will be passed to police HEL about AD HOC OPS and other HEL in SY Class C Airspace.
- 12.5 Police HEL will be responsible for sighting and avoiding TFC or moving away FM the area of conflict.

**13. HELICOPTER GROUND OPERATIONS**

- 13.1 Operating procedures helicopter facility:
- Helipad H1 restricted to 16.4M rotor diameter and BLW.
  - Helipad H2 and company parking pads restricted to 14.7M rotor diameter and BLW.
  - HEL with rotor diameter greater than 14.7M will require special parking position. HEL OPR to contact AD OPR for parking position. Minimum 24HR notice.
  - ATC are required to apply wake turbulence separation standards between simultaneous operations on RWY 07/25 and helipad H1.
  - When parked, no part of a helicopter shall be within 3M of a marked roadway.
  - Helicopter PRKG on paved areas is restricted to marked PRKG positions only.
- 13.2 **HJ Operations**
- 13.3 HEL shall arrive and depart H1 as directed by ATC. If H1 is unsuitable for safety reasons, or due to extended occupancy of H1, HEL with MAX rotor diameter of 14.7M may use H2 or company parking positions subject to the following requirements:
- INBOUND.** Pilots should advise SY TWR (FREQ 120.5 or 124.7) of their intended landing position (if not H1) prior to descent.
  - OUTBOUND.** Pilots should advise current parking position and intended departure position (if different) on first contact with Sydney Tower (FREQ 120.5 or 124.7). Movements to and from company parking positions shall be conducted only by pilots employed by or otherwise operating under the OPS manual of a helicopter organisation based at Sydney Airport and who are experienced in such operations. HEL to remain on TWR (AD CTL) FREQ when DEP SY until instructed to call on a discrete FREQ.



**13.4 HN Operations**

- a. **INBOUND** HEL required to use H1 and TAX to parking position via H2. For final approach omni directional LGT located 110M FM centre H1 on bearing 084 DEG MAG, 264 DEG MAG, 354 DEG MAG.
- b. **OUTBOUND** HEL required to TAX via H2 for DEP FM H1.
- 13.4.1 TWY for air taxiing HEL FM H1 to RWY 07/25 AVBL H24.
- 13.4.2 Access to corporate aviation apron as approved by AD OPR, restricted to wheeled HEL and BLW 14.7M rotor diameter. Ground taxiing via the 30M MAX wing span TWY DOM5.
- 13.4.3 Parking Facilities
  - H3 - Public. AVBL for short term PRKG - MAX 2HR limit.
  - H4/H5/H6/H7/H8/H9/H10 - Leased.
  - Due to security restrictions, access to and from area must be arranged with local FBO.
- 13.4.4 No helicopter OPS permitted near INTL or DOM terminals or on INTL or DOM aprons.

**14. HELICOPTER ROUTE OPERATIONS****General**

- 14.1 Procedures are promulgated using coded designators and clearances for routes regularly flown by HEL operating in SY terminal airspace. The route coded clearances and operating requirements are as identified hereunder:
- 14.2 HEL routes are to be considered as access lanes for the purpose of *CASR 91.265(4)(g)* and *91.267(3)(j)*.
- 14.3 **Coded Clearances**
- 14.4 The routes have been given geographical designators and a direction which must be used in all radio communication. Clearance via a specific route authorises a pilot to fly the route at the altitudes specified.
- 14.5 The clearances are used for flights both inbound to and outbound FM SY Airport, or within designated geographical areas within the Control Zone.
  - Note 1: The clearance contains route and altitude instructions. If landing at SY Airport, a frequency transfer and clearance limit are specified.*
  - Note 2: If the instruction "MAINTAIN..." is included in the clearance, the descent clearance included within the designated clearance is cancelled.*
  - Note 3: ATC may amend the altitudes specified.*

**14.6 Coded Route Clearances and Operating Requirements****BONDI 5 - SOUTHBOUND**

At ALT not above 1,000FT TR from Sydney Heads E of the coast to Ben Buckler (northern headland of Bondi Beach); descend to 500FT by Ben Buckler; thence TR E of the coast to Long Bay headland (southern headland of Maroubra Beach); ALT 500FT. If intending to land at SY Airport contact SY Tower 124.7 approaching Maroubra Beach.

**BONDI 5 - NORTHBOUND**

TR E of the coast from Long Bay headland (southern headland of Maroubra Beach) to Ben Buckler (northern headland of Bondi Beach); ALT 500FT; thence climb to not above 1,000FT and remain E of the coast to Sydney Heads.

**Special Procedures for Use With BONDI 5**

The following should be noted in relation to BONDI 5:

- A. The route is designated principally for single engine HEL. Delays may occur when RWY 07 is in use for DEP, or RWY 25 for ARR at YSSY Airport; and
- B. The route is not AVBL in either direction when RWY 16 PRM approaches are being conducted at YSSY Airport; and
- C. In addition to the ATC FREQ, pilots should maintain a listening watch on 120.8 for information on traffic operating on route VICTOR ONE (V1).

**ROSEHILL 5 - INBOUND**

TR FM Rosehill Racecourse to Rookwood Cemetery, then via the Cooks River and Canterbury Racecourse to the Novotel (Sydney International Airport) Hotel; ALT 1,000FT. At Canterbury Racecourse descend to 500FT.

Clearance Limit: Novotel (Sydney International Airport) Hotel.

Contact TWR 120.5 at Canterbury Racecourse.

**ROSEHILL 5 - OUTBOUND**

TR via the Novotel (Sydney International Airport) Hotel and the Cooks River to Rookwood Cemetery, then direct to Rosehill Racecourse; ALT 1,000FT. FREQ change at Rookwood Cemetery approved, control service terminated at Rookwood Cemetery.

**ERSKINEVILLE 5 - INBOUND**

TR Darling Harbour to Central Railway thence via the railway line to Redfern Railway Station, thence via Erskineville Oval; ALT 1,000FT (climb over water if DEP R405A) thence DCT to The Stamford on descent to 500FT.

Clearance Limit: The Stamford.

Contact TWR 124.7 at Erskineville Oval.

**ERSKINEVILLE 5 - OUTBOUND**

TR via The Stamford to Erskineville Oval thence via Redfern Railway Station and the railway line to Central Railway and DCT to Darling Harbour; ALT 1,000FT. If entering R405A, descend over water to 500FT before passing millers point. FREQ change at Central Railway approved, control service terminated at Central Railway.

**HARBOUR BRIDGE 5 - INBOUND (for arrival from R405B)**

TR South Pylon of the Harbour Bridge to Darling Harbour thence Central Railway thence via the railway line to Redfern Railway Station, thence via Erskineville Oval; ALT 1,000FT; thence DCT to The Stamford on descent to 500FT.

Clearance Limit: The Stamford.

Contact TWR 124.7 at Erskineville Oval.

**HARBOUR BRIDGE 5 - OUTBOUND (for entry to R405B)**

TR via The Stamford to Erskineville Oval thence via Redfern Railway Station and the railway line to Central Railway thence DCT to Darling Harbour thence over water to South Pylon of the Harbour Bridge to enter R405B; ALT 1,000FT. FREQ change at Central Railway approved, control service terminated at Central Railway.

**BARRACKS 5 - INBOUND**

TR FM Rushcutters Bay to Victoria Barracks; ALT 1,000FT; then via the SCG to Moore Park Supa Centre (corner Dacey Avenue and South Dowling Street), thence E of South Dowling Street and Southern Cross Drive via the Gardeners Road thence Wentworth Avenue overpasses on descent to 500FT.

Clearance Limit: Road junction overpass at the intersection of Southern Cross Drive and Wentworth Avenue.

Contact TWR 124.7 at the SCG.

**BARRACKS 5 - OUTBOUND**

TR E of Southern Cross Drive and South Dowling Street to the Moore Park Supa Centre (corner Dacey Avenue and South Dowling Street); ALT 1,000FT, thence via Victoria Barracks to Rushcutters Bay. FREQ change at Moore Park Super Centre approved, control service terminated at Moore Park Super Centre.

**MAROUBRA 5 - INBOUND**

TR FM Maroubra Beach via Fitzgerald Avenue to Bunnerong Road (Heffron Park) to East Gardens Shopping Centre; ALT 1,000FT (climb over water), thence N of Wentworth Avenue to the intersection with Southern Cross Drive on descent to 500FT.

Clearance Limit: Road junction overpass at the intersection of Wentworth Avenue and Southern Cross Drive.

Contact TWR 124.7 at Heffron Park.

**MAROUBRA 5 - OUTBOUND**

TR via Southern Cross Drive and N of Wentworth Avenue to East Gardens Shopping Centre; ALT 1,000FT, thence via Fitzgerald Avenue to Maroubra Beach. E of the coast descend to 500FT. FREQ change at Maroubra Beach approved if entering V1, control service terminated at Maroubra Beach if entering V1.

**CAPE BANKS 5 - INBOUND**

TR FM Cape Banks, thence via the eastern shore of Botany Bay to the Port Botany Container Terminal; ALT 500FT.

Clearance Limit: Container Terminal.

**CAPE BANKS 5 - OUTBOUND**

TR via the road junction overpass at the intersection of General Holmes Drive and Foreshore Road, thence via the Mill Stream and the eastern shore of Botany Bay to Cape Banks; ALT 500FT. FREQ change at Cape Banks approved, control service terminated at Cape Banks.

**WANDA 5 - INBOUND**

TR FM Wanda Beach, thence DCT to Towra Point to Dolls Point, thence via the W shore of Botany Bay to ABM the Brighton Novotel, remaining over water; ALT 500FT.

Clearance Limit: The Brighton Novotel.

**WANDA 5 - OUTBOUND**

TR via the western shore of Botany Bay to Dolls Point, remaining over water at all times, thence Towra Point to Wanda Beach; ALT 500FT. FREQ change at Wanda Beach approved, control service terminated at Wanda Beach.

**GEORGES RIVER 5 - INBOUND**

TR via CHOPPERS SOUTH (Intersection of two creeks enclosing a sewerage treatment works, 2.1NM S of BK) to Picnic Point, thence via the Georges River to Dolls Point; ALT 1,000FT. E of the Georges River Bridge descend to 500FT; then track via the western shore of Botany Bay to ABM the Brighton Novotel, remaining over water.

Clearance Limit: The Brighton Novotel.

Contact TWR 120.5 at the Georges River Bridge.

**GEORGES RIVER 5 - OUTBOUND**

TR via the western shore of Botany Bay to Dolls Point, remaining over water at all times; ALT 500FT; then via the Georges River to Picnic Point. W of Captain Cook Bridge climb to 1,000FT. FM Picnic Point TR to CHOPPERS SOUTH (Intersection of two creeks enclosing a sewerage treatment works, 2.1NM S of BK). Contact BK Tower 132.8 approaching Picnic Point.

**15. HELICOPTER INBOUND/OUTBOUND PROCEDURES**

15.1 The procedures promulgated in *AIP ENR 1.1* for OPS within HEL access corridors apply.

**15.2 Inbound to Sydney Airport:**

- a. Contact ATC approximately five (5) minutes before the prescribed entry gate and advise intentions, e.g. "HOTEL ECHO LIMA, REQUEST ROSEHILL 5 INBOUND"; and
- b. For the following designated routes, pilots must contact SYDNEY TERMINAL 135.1:  
 BONDI 5 - SOUTH or NORTHBOUND  
 ROSEHILL 5 - INBOUND  
 ERSKINEVILLE 5 - INBOUND  
 HARBOUR BRIDGE 5 - INBOUND  
 BARRACKS 5 - INBOUND  
 MAROUBRA 5 - INBOUND

*Note 1: SYDNEY TERMINAL will direct the pilot to call the appropriate APP or DEP frequency for clearance.*

*Note 2: Contact TWR at the frequency transfer point, unless advised otherwise.*

- c. For CAPE BANKS 5 INBOUND, pilots must contact TWR 124.7 for airways clearance.
- d. For WANDA 5 INBOUND, pilots must contact TWR 120.5 for airways clearance.

**15.3 Outbound FM Sydney Airport:**

Contact Sydney Delivery 133.8, advise intentions and request clearance for designated routes:

ROSEHILL 5 - OUTBOUND  
 ERSKINEVILLE 5 - OUTBOUND  
 HARBOUR BRIDGE 5 - OUTBOUND  
 BARRACKS 5 - OUTBOUND  
 MAROUBRA 5 - OUTBOUND  
 CAPE BANKS 5 - OUTBOUND  
 WANDA 5 - OUTBOUND  
 GEORGES RIVER 5 - OUTBOUND

*Note: Receipt of this clearance does not constitute a takeoff clearance.*

If DEP FM Airport Heliport, contact TWR 120.5 for takeoff clearance for:

ROSEHILL 5 - OUTBOUND  
 WANDA 5 - OUTBOUND  
 GEORGES RIVER 5 - OUTBOUND  
 or contact TWR 124.7 for takeoff clearance for:  
 ERSKINEVILLE 5 - OUTBOUND  
 HARBOUR BRIDGE 5 - OUTBOUND  
 BARRACKS 5 - OUTBOUND  
 MAROUBRA 5 - OUTBOUND  
 CAPE BANKS 5 - OUTBOUND.

*Note: FM elsewhere on the airport contact SYDNEY GND 121.7.*

**15.4 Flight in Proximity to Bankstown:**

When operating via GEORGES RIVER 5, and not LDG or DEP BK, pilots must contact BANKSTOWN TOWER on 132.8 when tracking WI 3NM of the BK CTR.

## 15.5 Terminal Airspace Sectors for Helicopter Operations:

- a. To reduce FREQ congestion, the following six commonly used geographically defined areas are designated with lateral and vertical limits:

- (i) The CITY EAST SECTOR defined as the area bounded by Rushcutters Bay, Sydney Cricket Ground, Southern pylon Sydney Harbour Bridge, Fort Denison, Clark Island, Rushcutters Bay. ALT - not ABV 2,000FT.

*Note: "CITY EAST SECTOR" means that the ACFT is cleared to operate within the lateral boundaries of the CITY EAST Sector, not ABV 2,000FT, in compliance with CASR 91.265(4)(g) and 91.267(3)(j).*

- (ii) The CBD Sector: defined as the area bounded by Rushcutters Bay, Sydney Cricket Ground, Cleveland Street, Regent Street, George Street, Southern pylon Sydney Harbour Bridge, Fort Denison, Clarke Island, Rushcutters Bay. ALT -not ABV 2,000FT.

*Note: "CLEARED CBD SECTOR" means that the ACFT is cleared to operate within the boundaries of the CBD Sector, not ABV 2,000FT, in compliance with CASR 91.265(4)(g) and 91.267(3)(j).*

- (iii) The NORTH HARBOUR Sector: defined as the area NE of a line St Ives Showground, Roseville Bridge, Sydney Harbour Bridge North Pylon then via the northern shore of Sydney Harbour to Middle Head then Manly. ALT - not ABV 1,500FT.

*Note: "CLEARED NORTH HARBOUR SECTOR" means that the ACFT is cleared to operate within the lateral boundaries of the NORTH HARBOUR Sector, not ABV 1,500FT, in compliance with CASR 91.265(4)(g) and 91.267(3)(j).*

- (iv) The NORTHERN BEACHES Sector: defined as the area east of a line Long Reef, Spit Bridge, Sydney Harbour Bridge North Pylon then via the northern shores of Sydney Harbour to Middle Head then Manly. ALT - not ABV 1,500FT.

*Note: "CLEARED NORTHERN BEACHES SECTOR" means that the ACFT is cleared to operate within the lateral boundaries of the NORTHERN BEACHES Sector, not ABV 1,500FT, in compliance with CASR 91.265(4)(g) and 91.267(3)(j).*

- (v) The SOUTH HARBOUR Sector: defined as the area bounded by lines joining Sydney Harbour Bridge North Pylon, Sydney Harbour Bridge South Pylon, then via the southern shoreline of Sydney Harbour to South Head then Manly to Middle Head, then via the northern shoreline of Sydney Harbour to Sydney Harbour Bridge North Pylon. ALT - not ABV 1,500FT.

*Note: "CLEARED SOUTH HARBOUR SECTOR" means that the ACFT is cleared to operate within the lateral boundaries of the SOUTH HARBOUR Sector, not ABV 1,500FT, in compliance with CASR 91.265(4)(g) and 91.267(3)(j).*

- (vi) The MANLY Sector defined as the area North of line South Head to Middle Head to the Spit Bridge, East of a line Spit Bridge to intersection Pittwater and Warringah Roads to Curl Curl Beach, Coastal Southbound to South Head. ALT - not ABV 1,500FT.

*Note: "CLEARED MANLY SECTOR" means that the ACFT is cleared to operate within the lateral boundaries of the MANLY Sector, not ABV 1,500FT, in compliance with CASR 91.265(4)(g) and 91.267(3)(j).*

- b. HEL (to/FM SY Airport or overfly SY Airport) not cleared via 'coded' routes will normally be cleared as follows:

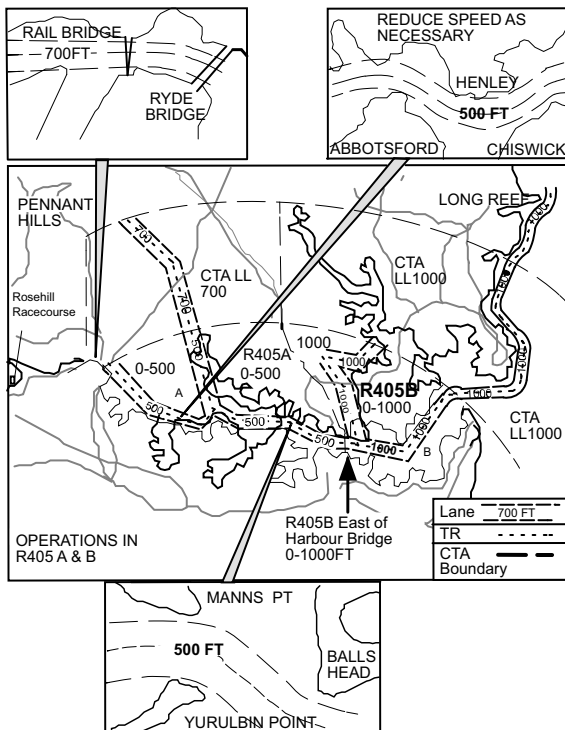
### 15.6 When RWY 16 or RWY 34 are in use:

- a. via East Lakes Golf Course FM the NE or SE quadrant; or  
b. via St George Hospital FM NW or SW quadrant;

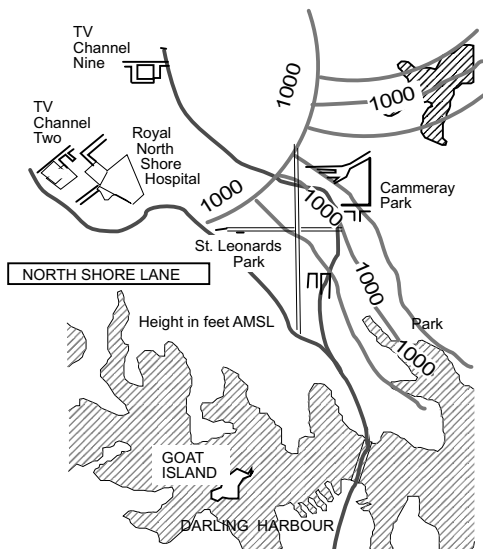
### 15.7 When RWY 07 or RWY 25 are in use:

- a. via SCG in the NE quadrant; or  
b. via BBH in the SE quadrant; or  
c. via CBY in the NW quadrant; or  
d. via GRB in the SW quadrant.

16. **OPS IN R405 A AND B (Refer associated diagram)**  
**GENERAL**
- 16.1 R405 is established for use by SEAPLANES and HEL with MTOW not above 2,500KG; or have been shown by tests of a standard acceptable to the CASA/Airservices Australia, to not exceed the noise limits specified in:
- (for HEL) ICAO Annex 16 Volume 1 Chapter 8 for a HEL of 2,500KG MTOW, or Chapter 11; or
  - (for SEAPLANES) ICAO Annex 16 Volume I Chapter 6 or Chapter 10.
- 16.2 The *CASR Part 91, 133 and 138* minimum height rules apply to all operations in R405.
- 16.3 Operations are restricted to VMC by day. Unless specifically authorised by CASA, HEL operations at night are permitted only by AOC, *Part 141* certificate or aerial work certificate holders conducting NVIS operations in accordance with the relevant rules in *CASR Part 91, 133 or 138*.
- 16.4 SSR PROCEDURES. All ACFT operating in R405 are to squawk CODE 1200.
- 16.5 HEL LANES. HEL transit and access lanes are established within R405 A and B details of which are provided BLW. Except as authorised by CASA, OPS by HEL WI R405 A and B must be confined to the HEL lanes, and SEAPLANES must be confined to transit lanes, for other than climb and descent to landing sites immediately adjacent to the lanes.
- 16.6 MIL HEL ABV 2,500KG MTOW may transit R405B E of Fort Denison over water, not ABV 1,000FT on QNH, for access to MIL establishments WI R405.
- 16.7 SEAPLANES may operate in R405 A and B as follows:
- over water at all times;
  - WI R405A not above 500FT on QNH;
  - WI R405B not above 1,000FT on QNH;
  - not use any HEL access lane; and
  - no OPS beneath the Sydney Harbour Bridge or Gladesville Bridge except as authorised by CASA and the Sydney Harbourmaster.
- 16.8 BROADCAST intentions entering and leaving R405 on FREQ 120.8 MHz. This FREQ is not monitored by Airservices Australia.
- 16.9 Entry into R405B from the east, and departure from R405B to the east, must be made over water via Sydney Heads. Transit from Victor 1 overland into R405B is not permitted.  
**NOTE: EMERGENCY TRANSMISSIONS SHALL BE MADE ON 124.55 MHz.**
17. **HEL TRANSIT AND ACCESS LANE PROCEDURES (Refer associated diagram)**
- The ALT specified for each lane shall be maintained during lane transit.
  - Pilots are to keep to the right when flying along a HEL lane.
  - Pilots unfamiliar with the HEL lanes and PROC shall obtain a briefing FM a local HELOPR or Flying School.
  - HEL transit lanes are to be considered as access lanes for the purpose of *CASR 91.265(4)(g) and 91.267(3)(j).(3A)*.



## HELICOPTER TRANSIT LANE



## HARBOUR LANE

The harbour lane FLW the Parramatta River FM Silverwater to Ryde Road bridge, Gladesville Bridge, the southern pylon of Sydney Harbour Bridge, ABM Bradley's Head, ABM Middle Head, Sydney Heads and thence coastal to Long Reef. The lane is over water. The ALT to be flown are:

- e. Not BLW 700FT on QNH from Silverwater to Ryde road bridge;
- f. 500FT on QNH BTN Ryde road bridge and the Harbour Bridge;
- g. 1,000FT on QNH BTN the Harbour Bridge and Middle Head, Climb and descent to be conducted east of the Harbour Bridge.
- h. Not ABV 1,000FT on QNH, over water, BTN ABM Middle Head and Long Reef.

18. **HELICOPTER ACCESS LANES**

- a. LANE COVE RIVER LANE. An access lane from Gladesville Bridge to Pennant Hills via Northern Suburbs Cemetery follows the Lane Cove River valley to Pennant Hills. The ALT to be flown are:
  - (i) 500FT on QNH between Gladesville Bridge and Delhi Rd;
  - (ii) 700FT on QNH between Delhi Rd and Pennant Hills.
- b. NORTH SHORE LANE. An access lane for the HLS near the Royal North Shore Hospital/Channel 9/Channel 2 is shown on the expanded diagram ABV. The ALT to be flown is 1,000FT on QNH.

19. **VFR COASTAL ROUTE VICTOR 1**

19.1 **General**

Transit of the Sydney area is available via a VFR Coastal Route within the Class G airspace east of the Sydney Control Zone and Control Area. The route comprises **Victor 1 NORTH** and **Victor 1 SOUTH** which are differentiated by the lower limits of the overlying Class C airspace and by their tracking requirements.

- a. The Coastal Route is depicted on the SY VTC and Sydney General Flying Guide (SY GFG) and may be flown in either direction. Operations are restricted to VMC by day only.
- b. Pilots are required to use SY Local QNH, available on the SY ATIS. If transponder equipped, squawk code 1200 with ALT.
- c. The carriage and use of radio is mandatory.
- d. Operations in the Coastal Route share a common VHF broadcast frequency (120.8 MHz) with helicopter and floatplane operations in R405A and R405B over Sydney Harbour.
- e. Pilots should broadcast joining the Coastal Route, stating position and intentions. Pilots of opposite direction aircraft should respond with position and intentions. Landing lights and strobes should be activated and pilots should be alert for opposite direction traffic. If possible, keep opposite direction traffic to your left.
- f. Broadcast frequency 120.8 MHz is not monitored by SY ATC. In the event of an emergency, pilots are advised to call Sydney Centre on 125.8 MHz or 124.55 MHz, or to make an emergency broadcast on 121.5 MHz. This frequency is usually monitored by domestic and international transport aircraft.
- g. All occupants of single-engine aircraft must wear approved life jackets for the duration of the overwater portions of the Coastal Route.
- h. High speed military aircraft are requested to remain clear of the Coastal Route.

19.2 **Procedures for Operations in Victor 1 South**

- a. **Victor 1 SOUTH** extends East of the coast between the South Head of Sydney Harbour and Jibbon Point (the southern Headland of Port Hacking) and includes three coastal HLS at Wanda Beach, Cape Baily and Cape Banks. Pilots are required to maintain an altitude of exactly 500FT on Sydney Local QNH when operating in this airspace.
- b. The requirement in **Victor 1 SOUTH** is to contain your aircraft in Class G airspace and clear of the SY CTR.
- c. To avoid the SY CTR you must NOT Coastal Fly the Sydney southern beaches between Ben Buckler (the northern headland of Bondi Beach) and Long Bay headland (the southern headland of Maroubra Beach), and fly east of a straight line between the eastern most point of Cape Banks and the lighthouse on Cape Solander (the north and south heads of Botany Bay).

- d. The term 'Coastal Flying' refers to the practice of flying close to the beach and following the contours of the coastline. This practice is NOT permitted when flying in **Victor 1 SOUTH** between Ben Buckler and Cape Solander.
- e. Some helicopters and beach patrol aeroplanes may have been cleared to coastal fly between Bondi and Maroubra and may not continuously monitor 120.8 MHz.
- f. The CTA lower limit south of Jibbon Point and east of the coast is 1,000FT. North of Jibbon Point the lower limit of the CTA is 500FT.

#### 19.3 **Wake Turbulence Risk in Victor 1 South**

- a. Runway information is available on the SY ATIS and will assist pilots to anticipate aircraft overflying **Victor 1 SOUTH** to or from Sydney Airport and to determine the wake turbulence risk.
- b. The wake turbulence standard of 1,000FT vertical separation from heavy aircraft may not always be achievable when flying in **Victor 1 SOUTH**.
- c. Under normal circumstances, aircraft arriving and departing Sydney airport will be at least 500FT higher than the CTA step (500FT higher than traffic on **Victor 1 SOUTH**). However, there is always the possibility of an aircraft departing Sydney airport experiencing impaired performance and, under these circumstances, the 500FT vertical separation design buffer might be infringed. Pilots flying in **Victor 1 SOUTH** should be aware of the possibility of this occurrence, and of the requirement to see and avoid all other aircraft.
- d. Because of the unpredictable nature of wake turbulence, pilots must remain vigilant of the proximity of a heavy aircraft, and on becoming aware of the presence of such an aircraft, adjust their flight path to remain well clear of the affected airspace.
- e. The recommended wake turbulence separation standard behind and below a medium or heavy aircraft is 6NM or 3 minutes.

#### 19.4 **Procedures for Operations in Victor 1 North**

- a. **Victor 1 NORTH** extends east of the coast between Dee Why (12DME SY) and the South Head of Sydney Harbour and has a maximum altitude of 1,000FT on SY Local QNH.
- b. All operations in **Victor 1 NORTH** must be conducted between 500FT and 1,000FT.
- c. Operations in **Victor 1 NORTH** below 1,000FT must remain over water at all times.
- d. South Head is the northern limit of **Victor 1 SOUTH** and pilots should ensure that their aircraft remains clear of Class C airspace when transiting from **Victor 1 NORTH** to **Victor 1 SOUTH**.
- e. Ensure that you reach 500FT before passing South Head southbound.

#### 20. **SIGHTSEEING FLIGHTS OVER SYDNEY HARBOUR**

##### 20.1 **Harbour Scenic Flights**

- a. The airspace above Sydney Harbour is Class C and availability of an airways clearance to enter it will depend on traffic levels, controller workload and VMC.
- b. You should submit flight notification before your flight to minimise delays and you may be cleared for one of two standard scenic flight routes, 'Harbour Scenic ONE' or 'Harbour Scenic TWO' which are described below.
- c. The routes are flown at an altitude of 1,500FT on Sydney Airport Local QNH, which is available on the SY ATIS.

##### 20.2 **Airways Clearance Requests**

- a. Track via Class G airspace to Long Reef. Contact Sydney Terminal (135.1 MHz) prior to reaching Long Reef and request a 'Harbour Scenic'.
- b. You must remain in Class G airspace until in receipt of a clearance, which will be in the form, 'Cleared Harbour Scenic ONE' (or 'TWO').

##### 20.3 **Coded Clearances**

- a. A 'Harbour Scenic' clearance authorises you to fly the nominated route at 1,500FT.
- b. Your read back of 'Cleared Harbour Scenic ONE' (or 'TWO') acknowledges that you will track via the nominated route and maintain 1,500FT.

##### 20.4 **Harbour Scenic One**

- a. At 1,500FT AMSL, track Long Reef direct to the Harbour Bridge.
- b. Remain east of the Harbour Bridge and commence a left turn, remaining North of the Opera House.
- c. Conduct 2 left orbits, remaining east of the Harbour Bridge, north of the Opera House and west of Garden Island.



- d. On completion of the second orbit track via North Head to Manly Beach.
  - e. From Manly Beach track east of the coast to Long Reef. Report passing Manly northbound. Refer following para.
- 20.5 **Harbour Scenic Two**
- a. At 1,500FT AMSL, track Long Reef direct to Chatswood Central Business District (CBD).
  - b. Conduct 2 left orbits, remaining east of the Chatswood CBD and west of the Roseville Bridge.
  - c. On completion of the second orbit track to Manly Beach.
  - d. From Manly Beach, track east of the coast to Long Reef.
  - e. Report passing Manly northbound. Refer following para.
- 20.6 **Entry into Victor 1 South Following a Harbour Scenic**
- a. Request DESCENT into **Victor 1 SOUTH** approaching Manly Beach.
  - b. Subject to traffic, and when established east of the coast, you may be cleared to leave the control area on descent.
  - c. Report to ATC leaving 1,500FT then broadcast position and intentions on 120.8 MHz. In aircraft with a single radio you will need approval to leave the ATC frequency to make this broadcast.
  - d. You must reach 500FT before passing South Head southbound.
  - e. Report to ATC when established at 500FT in **Victor 1 SOUTH**.
- 20.7 **Additional Information**
- Expanded details and a diagrammatic representation of these procedures are provided on the Sydney General Flying Guide.

## NOISE ABATEMENT PROCEDURES

Noise Abatement Procedures (NAP) and Curfew applies. Refer AIP DAP.

### ADDITIONAL INFORMATION

1. SECURITY REQUIREMENTS - All fixed wing and HEL crew operating at SY, must hold either Australian or SYD Aviation Security Identity Card (ASIC). Operations must be facilitated through a SY based Fixed Base Operator (FBO) or ground handler to be met on arrival or departure to be escorted to and from the ACFT. Contact details for FBO and Ground Handling Services are available from Sydney Airport Web site: <https://www.sydneyairport.com.au/corporate/partner-with-us/services>.
2. Animal hazard exists. Increased numbers of the following species are expected during the specified periods: Grey headed flying fox exist after last LGT and numbers can be high DEC-JUN. Peak activity APR-JUN. Australian white ibis numbers can be high JUN-NOV with flocks transiting across RWY 16R/34L BTN TWY B8 and TWY L. Silver gull numbers will be high during periods of rain with flocks transiting across runways in any direction.
3. ACFT carrying dangerous goods Class 1 explosives excluding 1.4 and 1.6 require prior approval from AD OPR. Minimum 48HR notice. Phone 61 2 9693 3290.
4. ACFT carrying livestock require prior approval FM AD OPR. Minimum 24HR notice. Phone 61 2 9667 9921.
5. All ACFT, unless associated with the NORMAL preparation for flight, are not permitted to conduct engine runs, including idle power, without prior authorisation from AD OPR, Phone 61 2 9667 9824 or 0419 278 208.
6. Caution: due to the nature of OPS at YSSY, possible wake turbulence may exist when the wind is from the W to NW at 5KT or greater, during parallel RWY 34 OPS.
7. Weather balloon launch APRX 0545 Local FM 80M W ARP. Launches may occur at other times.

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## CHARTS RELATED TO THE AERODROME

1. WAC 3456.
2. Aerodrome Obstacle Chart Type A: RWY 07/25, 16R/34L, 16L/34R and 16L (15 DEG divergence) - the latest issue is accessible via the Sydney Airport website:  
<https://www.sydneyairport.com.au/corporate/sustainability/safety-and-security/annual-obstacle-monitoring-survey>.
3. Also refer to AIP Departure and Approach Procedures.
4. Precision Approach Terrain Charts RWY 16R/34L and RWY 16L/34R AVBL via the Sydney Airport website:  
<https://www.sydneyairport.com.au/corporate/sustainability/safety-and-security/precision-approach-terrain-charts>.

*Note: For any issues with the Sydney Airport website links contact the Aerodrome Operations Supervisor via phone: 02 9667 9824 or email: car2@syd.com.au.*

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**TAMBO****ELEV 1500****FULL NOTAM SERVICE NOT AVBL**

QLD

UTC +10

YTMB

245020S

1461735E

VAR 8 DEG E

UNCR

AD OPR Blackall - Tambo Regional Council, PO Box 21, Blackall, QLD, 4472. PH 07 4621 6600.

Fax 07 4621 6660.

**PASSENGER FACILITIES**

PT/WC

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA

BRISBANE CENTRE

124.8

**CTAF** 126.7**CHARTS RELATED TO THE AERODROME**

WAC 3341.

**TAMWORTH****ELEV 1335****AVFAX CODE 2025**

NSW

UTC +10

YSTW

310502S

1505048E

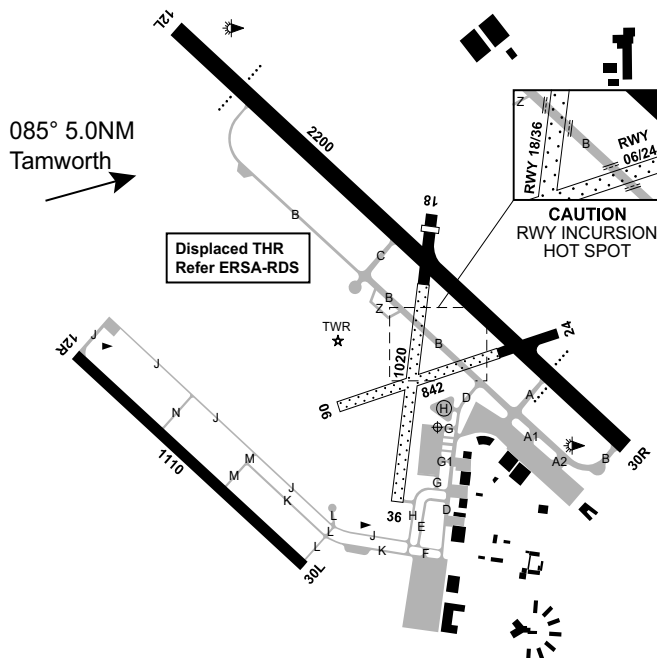
VAR 11 DEG E

CERT

AD OPR Tamworth Regional Council, PO Box 555, Tamworth, NSW, 2340.

Email: [airportops@tamworth.nsw.gov.au](mailto:airportops@tamworth.nsw.gov.au). ARO H24 02 6767 5546 (Primary CTC).

EMERG 0429 582 400. Fax 02 6760 7556.

**REMARKS**

- AD Charges: All ACFT. Contact AD OPR for price structure and conditions of use.
- Private ILS. Charges apply for ILS approaches as per Tamworth Regional Council published fees and charges.
- Captains of visiting military aircraft are to contact Airport Management at least 48HR prior to arrival. MIL ACFT requiring civil hardstand are to forward requests to [airportops@tamworth.nsw.gov.au](mailto:airportops@tamworth.nsw.gov.au) for parking allocation.

4. This AD is a Security Controlled Airport:

a. RPT APN Bays 1 to 4 are Security Restricted Areas. Pilots and crew must display a valid ASIC when airside. Non RPT operators must exit and enter via coded entry gates located adjacent all GA APN.

b. Direct access FM the main APN into the terminal building is not permitted for MIL, GA or CHTR aircrew or passengers. Security restricted APN may not be traversed by persons excluded under regulations 3.13 and 3.16 of the ATS Act 2004.

c. ACFT which require PRKG on the main APN outside the Security Restricted Area must obtain prior approval from AD OPR. Bays 8 and 9 are restricted to aeromedical ACFT unless specific approval is granted.
5. GA users use coded exit gates provided adjacent GA PRKG APN. Pilots must note displayed code for re-entry.

HANDLING SERVICES AND FACILITIES

Viva Energy Australia – Northwest Aviation Fuels Pty Ltd: 2030-0630 UTC MON-FRI, AVGAS H24 Viva swipe card/credit card bowser. AH 1HR PN, JET A1 available 24HR. AH call-out fees apply: PH 0419 424 834, 02 6761 5640, VHF 126.4 JO. AVGAS, JET A1, 0125. Viva fuel and fly, carnet and credit cards (V and MC) (NSW and QLD government contract, Department of Defence contract).

PASSENGER FACILITIES

LG/RF/WC/ME

APRONS AND TAXIWAYS

1. ACFT ABV 5,700KG MTOW limited to TWY A, A1, A2, B, C, D and G.
2. TWY B west of TWY C limited to 8,000KG AUW and 23M MAX wing span.
3. Run-up bays for ACFT to 5,700KG and MAX wing span limitations of 12 and 16M.
4. TWY D MAX wingspan 17.65M. ACFT with wingspans ABV 15M and up to 17.65M, accessing the GA parking areas, may only do so via TWY D.
5. 3 sealed GA parking bays are AVBL for MAX 24HR parking. They are length limited. P1 limit 14.5M (47FT), P2 limit 13.5M (44FT), P3 limit 12.5M (41FT).
6. Bays 6 - 9 MAX wing span 23M.
7. IFTT APN covered parking restricted to MAX 12M wingspan.
8. TWY D and G and GA Bays 10-14 MAX AUW 12,500KG.

AERODROME OBSTACLES

1. LIOL ILS GP 1,369FT AMSL BRG 051 MAG 585M FM ARP infringes TNS RWY12L/30R by 16FT and TNS RWY 06/24 by 39FT.
2. LIOL Primary IWI 1,357FT AMSL BRG 089 MAG 429M FM ARP infringes TNS RWY 12L/30R by 6FT.

METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT B, METAR/SPECI, AD WRNG.
2. AWIS Phone 02 9353 6451 - Report faults to BoM.

PHYSICAL CHARACTERISTICS

|         |     |     |                                               |        |         |
|---------|-----|-----|-----------------------------------------------|--------|---------|
| 06/24   | 062 | 28c | Unrated. Grassed brown clay                   | WID 30 | RWS 90  |
| 12L/30R | 121 | 72a | PCN 19/F/C/780 (113PSI)/T Grooved Central 30M | WID 45 | RWS 150 |
| 12R/30L | 121 | 36a | 5700/1000 (145PSI) Sealed                     | WID 18 | RWS 90  |
| 18/36   | 177 | 33c | Unrated. Grassed brown clay                   | WID 30 | RWS 90  |

AERODROME AND APPROACH LIGHTING

|                                       |                 |                |             |               |
|---------------------------------------|-----------------|----------------|-------------|---------------|
| RWY 12L/30R                           | MIRL(1)         | AFRU+PAL 119.4 |             | SDBY PWR AVBL |
| RWY 12L/30R                           | PAPI(2)         | AFRU+PAL 119.4 | 3.0 DEG49FT | SDBY PWR AVBL |
| (1)                                   | Outside TWR HR. |                |             |               |
| (2)                                   | Both sides.     |                |             |               |
| RWY edge light spacing: 12L/30R: 59M. |                 |                |             |               |

OTHER LIGHTING

1. Secondary PWR switchover time: 1 SEC during LVP; 8 SEC other times.
2. TWY LGT: Green CL.

**ATS AND AERODROME COMMUNICATION FACILITIES**

|      |                          |                                     |
|------|--------------------------|-------------------------------------|
| FIA  | BRISBANE CENTRE          | 127.1 Circuit Area (Outside TWR HR) |
| ATIS | TAMWORTH                 | 116.0 123.8 (1)                     |
| SMC  | TAMWORTH GROUND/DELIVERY | 121.9 (2)                           |
| TWR  | TAMWORTH TOWER           | 118.25 (3) 119.4                    |

(1) or Phone 02 6764 5288

(2) Taxi clearance required on all TWY.

(3) HJ only.

1. TWR HR:

a. MON-FRI: 2100-1015 UTC (1HR earlier during HDS.)

b. SAT-SUN: 2200-0530 UTC (1HR earlier during HDS.)

Phone: 02 6764 5271^

*Note: All times 1HR earlier during HDS. TWR HR may change at short notice, check status of airspace with ATS or Tamworth ATIS.*

2. Tamworth TWR provides combined TWR and APP CTL services within Class D airspace 4,500FT AMSL and BLW DRG TWR HR. CTC TWR for a clearance.

3. Outside TWR HR, Tamworth Class D airspace 4,500FT AMSL and BLW and Class C airspace BLW 8,500FT becomes Class G.

**RADIO NAVIGATION AND LANDING AIDS**

|     |     |                     |           |            |                  |
|-----|-----|---------------------|-----------|------------|------------------|
| DME | ITW | 109.9/ 36X (RWY30R) | 310453.0S | 1505108.2E | (4)              |
| GP  | ITW | 333.8 (RWY30R)      | 310453.0S | 1505108.2E |                  |
| ILS | ITW | 109.9 (RWY30R)      | 310412.1S | 1505008.5E | (3)              |
| LOC | ITW | 109.9 (RWY30R)      | 310412.1S | 1505008.5E | (1)              |
| DME | TW  | 116.0/107X          | 310357.8S | 1504948.3E | (2)              |
| NDB | TW  | 341                 | 310416.2S | 1504952.2E | Range 50 (HN 50) |
| VOR | TW  | 116.0               | 310357.9S | 1504948.9E |                  |

(1) Pilot monitored outside TWR HR.

(2) Antenna ELEV 1285FT.

(3) Private ILS - Fees apply - Operated by AD OPR.

(4) Antenna ELEV 1329FT.

**LOCAL TRAFFIC REGULATIONS**

- HEL PRKG ADJ to SGS enclosure. Design ACFT SH-60/MRH 90. Pilots and passengers to exit via gates 14A or 15. No direct access into terminal due to security restricted apron.
- All ACFT above 5,700KG which are not RPT must obtain prior approval of AD OPR if they are programmed to stage through or remain at Tamworth Regional Airport. To obtain such approval 48HRS notice is required. Phone Duty Airport Officer 02 6767 5546 and email [airportops@tamworth.nsw.gov.au](mailto:airportops@tamworth.nsw.gov.au) with details of your request. ACFT must follow lead-in lines.
- GA ACFT BLW 5,700KG (EXC aeromed) not permitted on main apron. Limited sealed parking and tie-downs for ACFT BLW 5,700KG are AVBL in GA areas. Parking bays P1, P2, P3 MAX 24HR only. Fees apply for parking in excess of 24HR.
- Bays 1 to 4 on the main apron for RPT services only.
- Bay 5 pre-flight engine running limited to 5MIN at idle power due noise restrictions. HRS 0630-2300 Local.
- IFTT APN. All ACFT wishing to park on the IFTT APN require prior permission from AD OPR. Personnel airside on the IFTT APN are to wear high visibility vests at all times.
- Bays 8 and 9 pilots are requested to minimise ground running with reference exhaust blast directed towards the Westpac hangar facility.
- Tamworth Airport does not support OPS below 800M RWY VIS.
- RWY Incursion Hotspots at the intersection of TWY B and grass RWY 18/36 and 06/24.
- GA parking positions 10-14 are AVBL for ACFT up to 12,500KG AUW. Fees apply in excess of 48HR.
- RWS not AVBL for ACFT OPS.

## FLIGHT PROCEDURES

### 1. RUNWAYS

#### Circuit Direction

|    |         |                    |                                    |
|----|---------|--------------------|------------------------------------|
| HJ | RWY 12R | right hand circuit | FREQ 118.25 (119.4 Outside TWR HR) |
|    | RWY 30L | left hand circuit  | FREQ 118.25 (119.4 Outside TWR HR) |
|    | RWY 12L | left hand circuit  | FREQ 119.4                         |
|    | RWY 30R | right hand circuit | FREQ 119.4                         |
| HN | RWY 12L | right hand circuit | FREQ 119.4                         |
|    | RWY 30R | left hand circuit  | FREQ 119.4                         |

### 2. LOCAL PROCEDURES - HJ DRG TWR HR

If unfamiliar, contact TW ATC prior to departure for clarification.

The following procedures must be read in conjunction with the TW VTC.

### 3. RUNWAY NOMINATION

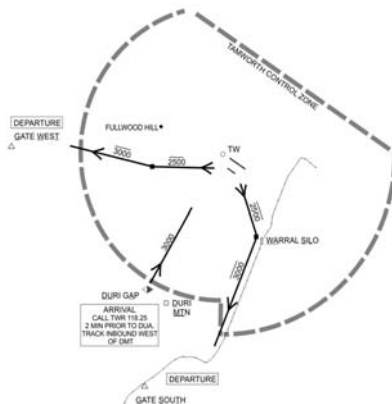
#### 3.1. RWY12R/30L on FREQ 118.25 shall be used for:

- ALL single engine VFR ACFT ARR and DEP from the 160R through west to the 295R:
  - ARRIVALS via Duri Gap (DUA) (see para B)
  - DEPARTURES via GATE SOUTH (GST) or GATE WEST (GWT) (see para 4)
- single engine ACFT circuit training.

#### 3.2. RWY12L/30R on FREQ 119.4 shall be used for all other OPS.

### 4. ARRIVALS VIA DURI GAP (DUA)

- Route for single engine VFR ACFT from the 160R through west to the 295R;
- FREQ 118.25;
- RWY12R/30L;
- CAUTION: Pilots can mistake Mt Terrible and Soma MTN for Duri MTN. Pilots should confirm Duri MTN with the location of Currabubula and the Tamworth-Werris Creek railway line. Mis-identification will lead to conflict with any opposite direction traffic outbound via Gate South (GST);



- Clearance required prior to DUA at **3,000FT AMSL**;
- CAUTION: D523 is a high traffic density flying training area. ACFT recovering D523 track via DUA at 3,000FT. ACFT approaching DUA must be alert to increased traffic density and visually maintain separation from other ACFT;
- Report at 5NM for circuit entry instructions;
- DO NOT CROSS N OF RWY12R/30L CENTRE LINE** due to operations on the parallel RWY 12L/30R;
- In the unlikely event of frequency congestion or radio failure after receiving clearance, **MAINTAIN 3,000FT AMSL** and join upwind overhead the duty RWY (12R/30L) threshold. Maintain separation with other aircraft and descend to circuit altitude.

5. **DEPARTURES VIA GATE SOUTH (GST) OR GATE WEST (GWT)**
  - a. Route for single engine VFR ACFT from the 160R through west to 295R,
  - b. **FREQ 118.25**,
  - c. When number one at the holding point, pilots must report "READY" with intended route; **"READY GATE SOUTH [or WEST]"**.
  - d. **VIA GATE SOUTH (GST)**
    - (i) RWY 12R - from right crosswind; or
    - (ii) RWY 30L - from left downwind;track to ABM Warral Silo (WASL) NOT ABOVE 2,500FT AMSL and remain west and within 1NM of the Werris Creek railway line. From ABM WASL, remain NOT ABV 3,000FT AMSL until clear of controlled airspace.
  - e. **VIA GATE WEST (GWT)**
    - (i) RWY 12R - from right downwind; or
    - (ii) RWY 30L - from left crosswind;track to become established to the south of the East-West power line NOT ABOVE 2,500FT AMSL. From 5NM (ABM Fullwoods Hill) remain NOT ABV 3,000FT AMSL and track to Gate West remaining south of the power line until clear of controlled airspace.
  - f. a departure report is not required and pilots should automatically change to the appropriate FREQ when clear of controlled airspace.
6. **CIRCUIT OPERATION**
  - a. Report 'ready' in the run-up bay for instructions.
  - b. ALT not ABV 2,500FT AMSL.
  - c. PPR from AD OPR for NGT CCTS.
7. **INSTRUMENT TRAINING AND AWK**
  - a. All ACFT planning practice instrument APCH, NAVAID training or AWK require prior ATC approval. Pilots must book a slot online at [www.bookawk.com](http://www.bookawk.com).
  - b. Bookings may be subject to cancellation by ATC:
    - (i) on daily review of forecast MET conditions.
    - (ii) due to OPR restrictions.
  - c. Pilots requesting an APCH to the non-duty RWY may expect extended delay. Conduct of an APCH to the non-duty RWY is not guaranteed.
8. **SIMULTANEOUS PARALLEL RWY OPS**
- 8.1. During TWR HR, ATC may conduct simultaneous parallel runway operations provided that:
  - a. operations are conducted in VMC by day only;
  - b. conditions permit continuous visual monitoring by ATC of ACFT on base and during the turn onto final; and
  - c. continuous two way communications are maintained between the ACFT and ATC.
- 8.2. Notification of simultaneous parallel runway operations will be broadcast on ATIS or by directed broadcast to aircraft; **"SIMULTANEOUS PARALLEL RUNWAY OPERATIONS IN USE. EXPECT TRAFFIC ON FINAL AND OPPOSITE BASE OF THE PARALLEL RUNWAY"**.
- 8.3. Simultaneous parallel RWY operations will normally be conducted utilising separate frequencies.
- 8.4. When simultaneous parallel runway operations are being conducted, pilots are responsible for:
  - a. ensuring that the runway centre line is not crossed during intercept of final;
  - b. accurately tracking the centre line on final and upwind; and
  - c. maintaining a visual lookout for ACFT approaching and departing the parallel RWY.
9. **LOW VISIBILITY OPS**
- 9.1. RWY 12L/30R supports takeoffs down to 800M RV during TWR HR only.
- 9.2. ATC will initiate Low Visibility Procedures when RV is below 800M or ceiling is 200FT or less.
- 9.3. Outside TWR HR - CTAF procedures apply.

**CTAF - AFRU 119.4**

Outside TWR HR.

**ADDITIONAL INFORMATION**

1. Bird hazard exists.
2. Significant increases in wildlife hazards will be notified by NOTAM.

CHARTS RELATED TO THE AERODROME

1. WAC 3357.
2. Also refer to AIP Departure and Approach Procedures.

TANAMI

2

30

ELEV 1400

FULL NOTAM SERVICE NOT AVBL

NT  
195800S                      1294332E  
AD OPR Northern Star (Tanami) Pty Ltd, Level 1/388 Hay Street, Subiaco, WA, 6008. Email: TanamiAdmin@nsrltd.com. PH 08 6211 2650.

UTC +9:30  
VAR 3 DEG E

YTMN  
UNCR

REMARKS  
PPR - Contact AD OPR

AERODROME OBSTACLES

1. RWY 12 APCH surface infringed - stockpile 445M prior to THR 41F ABV inner edge.

2. RWY 30 stockpile 2,174M FM SOT 61.4M L of EXT CL 62FT ABV RWY gradient 2.91%.

3. RWY 30 stockpile 2,209M FM SOT 13.1M R of EXT CL 63FT ABV RWY gradient 2.79%.

4. Refer AD OPR for OBST chart.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA                      BRISBANE CENTRE                      118.9 6500FT

UNICOM                TANAMI UNICOM                      128.9 (1)

(1)                      CS "Tanami Mine".

LOCAL TRAFFIC REGULATIONS

1. Initial contact is on UNICOM 128.9 to Tanami Ground then change to CTAF 126.7.

2. Preferred night OPS - land RWY 30, TKOF RWY 12.

CTAF 126.7

ADDITIONAL INFORMATION

Night OPS for emergencies only i.e. RFDS - land RWY30, TKOF RWY 12

CHARTS RELATED TO THE AERODROME

WAC 3222.

TARA

11

35

ELEV 1180

FULL NOTAM SERVICE NOT AVBL

QLD  
270924S                      1502836E  
AD OPR Western Downs Regional Council, PO Box 551, Dalby, QLD, 4405.  
Email: info@wdrc.qld.gov.au. PH 07 4679 4000. ARO 0429 571 233 or 0437 735 919.

UTC +10  
VAR 10 DEG E

YTAA  
UNCR

REMARKS  
1. Avdata fees apply.  
2. Approval RQ FM AD OPR for agricultural OPS at AD.

PASSENGER FACILITIES  
Passenger facilities AVBL. Telephone facilities not AVBL.

AERODROME AND APPROACH LIGHTING

LIRL. PAL on 119.65.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA                      BRISBANE CENTRE                      123.95 Circuit Area

CTAF 126.7

ADDITIONAL INFORMATION

1. Bird and animal hazard exist.

2. AD OPR requires CTAF broadcast for ACFT ground and approach movements.



**CHARTS RELATED TO THE AERODROME**

WAC 3340.

**TAREE****ELEV 38****AVFAX CODE 2014**

NSW

UTC +10

YTRE

315319S

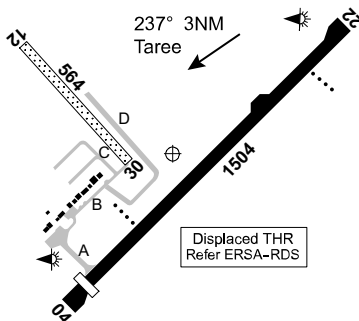
1523050E

VAR 12 DEG E

CERT

AD OPR Midcoast Council, 2 Biripi Way, Taree, NSW, 2430. Email: council@midcoast.nsw.gov.au.

PH 02 7955 7777. PH AH 0409 466 396 or 0447 106 605. Fax 02 6591 7363.

**REMARKS**

AD Charges: All ACFT (collected by Council).

**HANDLING SERVICES AND FACILITIES**

Aero Refuellers: AVGAS H24 self-service. Accepts Aero Refuellers, V and MC. PH 0428 906 103 or 0407 290 925.

Skyfuel: JET A1 H24 self serve bowser accepts MC, V and Skyfuel carnet card. PH 0418 862 100, 0407 290 925 or 0417 780 280. Refer to www.skyfuel.com.au for site information and orientation.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT D, METAR/SPECI.
2. AWIS PH 02 9353 6452 - Report faults to BoM.

**PHYSICAL CHARACTERISTICS**

|       |     |     |                                  |
|-------|-----|-----|----------------------------------|
| 04/22 | 033 | 49a | PCN 11 / F / C / 580 (84PSI) / T |
| 12/30 | 125 | 19c | Unrated. Brown silt clay         |

|        |         |
|--------|---------|
| WID 30 | RWS 150 |
| WID 18 | RWS 60  |

**AERODROME AND APPROACH LIGHTING**

|           |         |              |             |
|-----------|---------|--------------|-------------|
| RWY 04/22 | LIRL    | PAL+AA 122.4 |             |
| RWY 04/22 | PAPI(1) | PAL+AA 122.4 | 3.0 DEG40FT |

|               |
|---------------|
| SDBY PWR AVBL |
| SDBY PWR AVBL |

(1) Left side. PAL activates PAPI H24.

RWY edge light spacing: 04/22: 90M.

**OTHER LIGHTING**

1. SDBY PWR switchover time: 15 SEC.
2. TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 120.55

On ground COMMS may be available with ATS dependant on ACFT location and building shielding.

**LOCAL TRAFFIC REGULATIONS**

No parking on refuelling area.

**CTAF 118.1****ADDITIONAL INFORMATION**

1. Wildlife hazard may exist – species specific NOTAM will be raised during periods of increased activity.
2. PJE OPS overhead AD, SFC – FL150, HJ only. Pilot of jump ACFT will BCST intentions on CTAF.

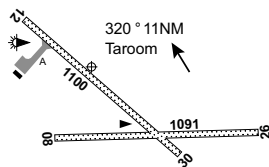
CHARTS RELATED TO THE AERODROME

1. WAC 3357.
2. Also refer to AIP Departure and Approach Procedures.

TAROOM

ELEV 786

AVFAX CODE 4031



QLD

254807S

1495358E

UTC +10

VAR 10 DEG E

YTAM

CERT

AD OPR Banana Shire Council, PO Box 412, Biloela, QLD, 4715.  
PH 07 4992 9500. ARO AH 0439 768 661. Fax 07 4992 3493.

REMARKS

Night OPS not AVBL EXC for medical EMERG OPS.

PHYSICAL CHARACTERISTICS

|       |     |     |                                              |        |        |
|-------|-----|-----|----------------------------------------------|--------|--------|
| 08/26 | 078 | 36  | Unrated. Brown silt clay                     | WID 30 | RWS 90 |
| 12/30 | 120 | 36c | PCN 4 / F / A / 550 (80PSI) / U Brown gravel | WID 30 | RWS 90 |

AERODROME AND APPROACH LIGHTING

|                                     |      |                |               |
|-------------------------------------|------|----------------|---------------|
| RWY 12/30                           | LIRL | AFRU+PAL 126.7 | SDBY PWR AVBL |
| RWY edge light spacing: 12/30: 60M. |      |                |               |

OTHER LIGHTING

1. SDBY PWR switchover time: 15 SEC.
2. TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

|     |                 |              |
|-----|-----------------|--------------|
| FIA | BRISBANE CENTRE | 126.0 8000FT |
|-----|-----------------|--------------|

CTAF - AFRU 126.7

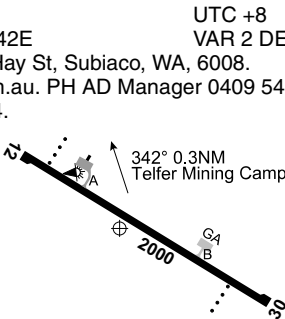
CHARTS RELATED TO THE AERODROME

1. WAC 3340, 3341.
2. Also refer to AIP Departure and Approach Procedures.

TELFER

ELEV 975

AVFAX CODE 6834



WA

214254S

1221342E

UTC +8

VAR 2 DEG E

YTEF

CERT

AD OPR Newmont, Level 5, 500 Hay St, Subiaco, WA, 6008.  
Email: telferairport@newcrest.com.au. PH AD Manager 0409 549 615.  
ARO 08 9158 6896: 0409 156 984.

REMARKS

1. Restricted OPS, 24HR PPR from ARO. Applications to land may not be approved during D106 activation times.
2. D106 Active due mine blasting DLY HJ (WI 2.5NM RAD centred on 214303S 1221127E, SFC-1,600FT).
3. High velocity plume rise at Telfer Mine Power Station located at 2.95NM BRG 214DEG FM AD.
4. All flight crews to wear high visibility clothing whilst walking on the APN areas.

## HANDLING SERVICES AND FACILITIES

Newmont: JET A1. Privately owned stock - CTC ARO.

## APRONS AND TAXIWAYS

1. TWY B not AVBL HN.
2. TWY B and GA APN not AVBL to ACFT ABV 5,700KG MTOW.

## AERODROME OBSTACLES

1. IWI 400M FM start of TKOF RWY 12, 102M left of CL, infringes transitional OLS by 11FT.
2. PAL antennae 350M FM start of TKOF RWY 12, 82M left of CL, infringes transitional OLS by 12FT.
3. Full length fence:
  - a. FM start of TKOF RWY 12, 77M left of CL, infringes transitional OLS by 5FT.
  - b. FM start of TKOF RWY 12, 79M right of CL, infringes transitional OLS by 6FT.
4. Extensive terrain (waste dump) penetration of inner horizontal and conical OLS to 1,293FT AMSL, in a south quadrant BTN MAG BRG 145 to 287DEG 2,200M to 5,500M FM ARP lit with obstacle lighting.

## METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT C, METAR/SPECI.
2. AWIS PH 08 6216 2638 - Report faults to BoM.
3. AWIS FREQ 133.25 (requires one-second pulse to activate) - Report faults to ARO.

## PHYSICAL CHARACTERISTICS

12/30 120 66a PCN 22 / F / A / 1150 (167PSI) / T Sealed WID 30 RWS 150

## AERODROME AND APPROACH LIGHTING

|           |         |              |                      |
|-----------|---------|--------------|----------------------|
| RWY 12/30 | LIRL(3) | PAL+AA 119.6 |                      |
| RWY 12/30 | PTBL(1) |              | BY PRIOR ARRANGEMENT |
| RWY 12    | PAPI(2) | PAL+AA 119.6 | 3.0 DEG44FT          |
| RWY 30    | PAPI(2) | PAL+AA 119.6 | 3.0 DEG40FT          |

(1) 60 MIN PN

(2) Left side. PAL+AA requires three three-second pulses to activate.

(3) PAL+AA requires three three-second pulses to activate.

RWY edge light spacing: 12/30: 58M.

## OTHER LIGHTING

TWY LGT: Blue edge.

## ATS AND AERODROME COMMUNICATION FACILITIES

|        |                  |                 |
|--------|------------------|-----------------|
| FIA    | MELBOURNE CENTRE | 134.5 On ground |
| UNICOM | TELFER UNICOM    | 126.65 (1)      |

(1) For scheduled charter aircraft movements only.

## LOCAL TRAFFIC REGULATIONS

All ACFT ABV 5,700KG are to conduct MAX RAD turns at RWY ends.

## FLIGHT PROCEDURES

1. Right hand circuits required when OPR on RWY 30.
2. No circling south of RWY12/30 due mining activities.

**CTAF - AFRU** 126.65

## ADDITIONAL INFORMATION

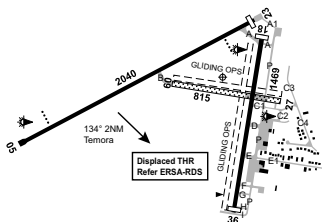
1. Bird hazard exists (pink and grey galah) numbers peak during October to December. Birds transit across RWY throughout daylight hours. Increased bird activity following rainfall events. Species specific NOTAM will be issued during periods of increased activity.
2. UAV OPR WI 1NM RAD of PSN 2NM SW of ARP. HJ. Not above 400FT AGL. Contact UNICOM 126.65 for information.

## CHARTS RELATED TO THE AERODROME

1. WAC 3230.
2. Also refer to AIP Departure and Approach Procedures.

**ELEV 921**

Fax 6980 1138.



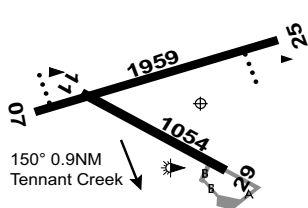
**CTAF** 126.15

**ADDITIONAL INFORMATION**

1. Bird hazard exists.
2. Aerobatics 300-5,000FT AGL immediately W of RWY 18/36, HJ.
3. Gliders and Tugs are radio equipped and will broadcast and monitor CTAF 126.15 within 10NM of the AD.
4. Gliders outside 10NM from the AD may use Glider FREQ 122.5, 122.7 or 122.9.
5. Temora Aviation Museum air displays:
  - a. D427 and R406 ACT on display weekends.
  - b. Check SUA NOTAM for activation details. Check [www.aviationmuseum.com.au](http://www.aviationmuseum.com.au) for display dates.
  - c. No flight permitted except with permission of controlling authority - Temora Historic Flight Club - UNICOM 126.15 or 0407 391 431. Non participating aircraft should plan to arrive or depart outside the display times. Priority given to display aircraft except for aircraft in emergency or Emergency Services aircraft.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3456, 3457.
2. Also refer to AIP Departure and Approach Procedures.

**TENNANT CREEK****ELEV 1236****AVFAX CODE 8401**

NT 193804S 1341100E UTC +9:30 YTNK  
 VAR 4 DEG E CERT  
 AD OPR Tennant Creek Airport Pty Ltd, PO Box 796, Alice Springs, NT, 0871. Email: [operationstca@adgnt.com.au](mailto:operationstca@adgnt.com.au).  
 PH 08 8963 3700. ARO 0402 088 160 (primary CTC).  
 PH AH 0402 088 151.  
 Website: [www.tennantcreekairport.com.au](http://www.tennantcreekairport.com.au).

**REMARKS**

1. AD Charges: All ACFT. Copies of Conditions of Use can be obtained from AD OPR or website.
2. AD OPR does not provide ACFT marshalling. All requests to Airline or fixed base operators.
3. PPR for all ACFT ABV 5,700KG MTOW to remain at, transit or use Tennant Creek as planned ALTN. Obtainable FM Tennant Creek Airport Pty Ltd, 24HR PN, email or PH 08 8951 1211 or AH MOB.

**HANDLING SERVICES AND FACILITIES**

VIVA Energy Australia - Westten Services: AVGAS bowser. Credit cards or Fuel2Sky cards only. Phone 0419 821 668.

Tennant Creek Fuels. JET A1. Refuelling truck 2HR PN required. AH call-out fee applies, weekends by prior arrangement. Credit cards only unless prior arrangement. Phone 0400 253 851. Email: [janb@aqagrp.com.au](mailto:janb@aqagrp.com.au)

**PASSENGER FACILITIES**

LG/WC/HC 08 8962 3040.

**APRONS AND TAXIWAYS**

1. TWY B - PCN 17/F/B/700/T.
2. TWY A and eastern portion of apron not AVBL to ACFT ABV 5,700KG MTOW.

**AERODROME OBSTACLES**

1. LIT TWR 1,403FT, 171DEG MAG/0.6NM FM ARP infringes inner HZS by 35FT.
2. LIT TWR 1,565FT, 084DEG MAG/2.3NM FM ARP infringes inner HZS by 197FT.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT C, METAR/SPECI.
2. AWIS PH 08 7922 2513 - Report faults to BoM.
3. AWIS FREQ 128.65 - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

|       |     |     |                               |        |         |
|-------|-----|-----|-------------------------------|--------|---------|
| 07/25 | 070 | 64a | PCN 17 /F /B /700 (102PSI) /T | WID 30 | RWS 150 |
| 11/29 | 115 | 35a | PCN 17 /F /B /700 (102PSI) /T | WID 23 | RWS 90  |

AERODROME AND APPROACH LIGHTING

|           |         |                |                           |
|-----------|---------|----------------|---------------------------|
| RWY 07/25 | LIRL    | AFRU+PAL 126.7 | SDBY PWR AVBL             |
| RWY 07/25 | PAPI(1) | AFRU+PAL 126.7 | 3.0 DEG49FT SDBY PWR AVBL |
| RWY 11/29 | LIRL    | AFRU+PAL 126.7 | SDBY PWR AVBL             |

- (1) Left side.
1. RWY edge light spacing: 07/25: 60M, 11/29: 60M.
2. PAL activates for 30MIN.

OTHER LIGHTING

1. Secondary PWR switchover time: 25SEC.
2. TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

|     |                 |                 |
|-----|-----------------|-----------------|
| FIA | BRISBANE CENTRE | 122.1 On Ground |
|-----|-----------------|-----------------|

RADIO NAVIGATION AND LANDING AIDS

|     |     |            |           |            |                       |
|-----|-----|------------|-----------|------------|-----------------------|
| DME | TNK | 112.9/ 76X | 193805.0S | 1341054.1E | (1)                   |
| NDB | TNK | 272        | 193839.4S | 1341031.2E | Range 100 (HN 60) (2) |
| VOR | TNK | 112.9      | 193805.1S | 1341055.0E |                       |

- (1) Antenna ELEV 1244FT.
- (2) 032/0.7 to ARP - No SDBY PWR AVBL.

LOCAL TRAFFIC REGULATIONS

1. ACFT ABV 15,000KG MTOW must use RWY ends for 180DEG turns.
2. Disused portion on RWY 11/29 not AVBL for taxiing when other ACFT OPR RWY 11/29.

CTAF - AFRU 126.7

ADDITIONAL INFORMATION

1. Animal and bird hazard exists. Bird hazard is elevated after periods of wet weather around the RWY 29 THR and APN area.
2. During high intensity rainfall events standing water up to a MAX of 50mm may be encountered at the RWY intersection.

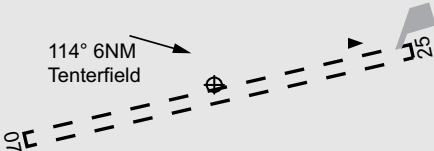
CHARTS RELATED TO THE AERODROME

1. WAC 3221.
2. Also refer to AIP Departure and Approach Procedures.

TENTERFIELD

NSW  
285928S  
AD OPR Friends of Tenterfield Aerodrome Association Inc, 321 Timbarra Rd, Tenterfield, NSW,  
2372. Email: admin@fota.au. ARO 0428 755 180. Mobile MGR 0418 874 799.  
Website: www.fota.au.

ELEV 2624  
FULL NOTAM SERVICE NOT AVBL  
UTC +10 YTFD  
VAR 11 DEG E UNCR



REMARKS

1. Landing Fees:

a. Private aircraft below 2,000KG MTOW nil (donation towards maintenance appreciated).

b. Other aircraft \$10 per tonne or part thereof MTOW.
2. Parking Fees - All aircraft \$5 per day for parking longer than 72 hours.

Note: Honesty System - www.fota.au for payment. Use aircraft registration as payment reference.

**HANDLING SERVICES AND FACILITIES**

JET A1 available for emergency services operations. Call out fee may apply. PH ARO.

**PASSENGER FACILITIES**

WC.

**PHYSICAL CHARACTERISTICS**

07/25 42c Unrated. Grass. RWY undulating with slight rise approx WID 55 RWS 150  
250M from RWY 25 THR. RWY LEN 1,270M.

**AERODROME AND APPROACH LIGHTING**

RWY 07/25 PTBL(1)

BY PRIOR ARRANGEMENT

(1) EMERG only. 60MIN PN.

RWY 07/25 edge light spacing: 100M.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

126.8 Circuit Area

**CTAF** 126.7

**ADDITIONAL INFORMATION**

1. RWY soft after heavy rain.
2. Bird and animal hazard exists.
3. Mower may be on RWY at any time HJ.
4. Tenterfield township 10KM south by road.

**CHARTS RELATED TO THE AERODROME**

WAC 3357.

**TESSA SHOALS****AVFAX CODE 6817**

WA

203323S

1171437E

**FULL NOTAM SERVICE NOT AVBL**

UTC +8

VAR 1 DEG E

YTES

UNCR

**METEOROLOGICAL INFORMATION PROVIDED**

WATIR 135.85 - Report faults to AD OPR.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE

122.4

ATIS KARRATHA ATIS

134.55

TWR KARRATHA TOWER

127.35

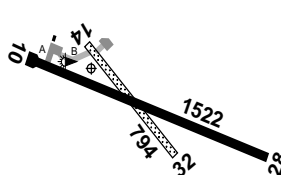
**CTAF - AFRU** 127.35

**CHARTS RELATED TO THE AERODROME**

1. WAC 3229.
2. Also refer to AIP Departure and Approach Procedures.

**THANGOOL**

**ELEV 644**

**AVFAX CODE 4025**

QLD

242938S

1503434E

UTC +10

VAR 10 DEG E

YTNG

CERT

AD OPR Banana Shire Council, PO Box 412, Biloela, QLD, 4715.

PH 4995 8241. ARO AH 0439 873 182. Council PH 07 4992 9500:

Fax 4992 3493. Website: [www.banana.qld.gov.au](http://www.banana.qld.gov.au).

**REMARKS**

AD Charges: refer to website for details.

**HANDLING SERVICES AND FACILITIES**

Fuel supplied by IOR Aviation Pty Ltd. AVGAS 100LL AVBL H24 Self-Serve Bowser - payment method via IOR Aviation tag for account holders or via the Fuel charge APP. JET A1 H24 Call out fee applies outside 0700 -1700 Local. PH: 0423 393 033.

AERODROME OBSTACLES

Lit TWR:

- a. 820FT AMSL, BRG 010 MAG 0.8NM FM ARP. Infringes inner HZS.
- b. 1,214FT AMSL, BRG 010 MAG 1.54NM FM ARP. Infringes inner HZS.

METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT D, METAR/SPECI.
2. AWIS PH 07 3564 3739 - Report faults to BoM.
3. AWIS FREQ 134.05 - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

10/2810250aPCN 12 /F /C /550 (80PSI) /U Sealed

14/3213026cUnrated. Grey sand silt clay

WID 30RWS 90

WID 30RWS 60

AERODROME AND APPROACH LIGHTING

RWY 10/28LIRLAFRU+PAL 126.7

RWY 10/28 edge light spacing: 60M.

SDBY PWR AVBL

OTHER LIGHTING

1. SDBY PWR switchover time: APRX 5 SEC.
2. TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

FIABRISBANE CENTRE

119.55 Circuit Area

LOCAL TRAFFIC REGULATIONS

APN PRKG not AVBL when DH8C ACFT refuelling. Cone markers placed across front of ACFT.

FLIGHT PROCEDURES

Right hand CCTS required RWY 10.

CTAF - AFRU 126.7

CHARTS RELATED TO THE AERODROME

1. WAC 3340.
2. Also refer to AIP Departure and Approach Procedures.

THARGOMINDAH

ELEV 433

AVFAX CODE 4132

QLD

275911S1434839E

UTC +10

YTGM

VAR 8 DEG E

CERT

AD OPR Bulloo Shire Council, PO Box 46, Thargomindah, QLD, 4492.

ARO 0437 252 979. Council PH 07 4621 8000. Fax 07 4655 3131.

REMARKS

This AD is a Security Controlled Airport.

HANDLING SERVICES AND FACILITIES

Phone ARO. AVGAS and JET A1. Self-serve bowser AVBL H24 (Credit card swipe machine (pin only)).

METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT D, METAR/SPECI.
2. AWIS PH 07 3564 3740 - Report faults to BoM.

PHYSICAL CHARACTERISTICS

04/2204328cUnrated. Red gravel

13/3113248aPCN 15 /F /A /860 (125PSI) /U

WID 30RWS 90

WID 30RWS 90

AERODROME AND APPROACH LIGHTING

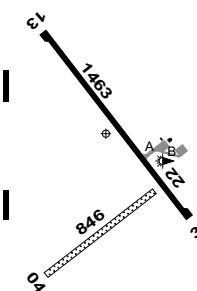
RWY 13/31LIRLAFRU+PAL 126.7

SDBY PWR AVBL

ATS AND AERODROME COMMUNICATION FACILITIES

FIABRISBANE CENTRE

118.8 3000FT





LOCAL TRAFFIC REGULATIONS

Itinerant ACFT not permitted to park on RPT apron without prior permission.

CTAF - AFRU 126.7

ADDITIONAL INFORMATION

Animals may be present on aerodrome.

CHARTS RELATED TO THE AERODROME

1. WAC 3342.
2. Also refer to AIP Departure & Approach Procedures.

THE GRANITES

ELEV 1299

AVFAX CODE 8402

Diagram of runway 11/29. Runway 11 is 2336m long. Magnetic variation is 260° 1NM. Mine Camp is located near the runway. The diagram also shows the runway's orientation and the location of the aerodrome.

NT

203254S

1302100E

UTC +9:30

VAR 3 DEG E

YTGT

CERT

AD OPR Newmont Tanami Pty Ltd, PO Box 8020, Alice Springs, NT, 0871.  
Email: gts.airport@newmont.com. PH AD Manager 0407 953 412.  
ARO 0407 817 493 (H24).

REMARKS

PPR from AD OPR 24HR before intended OPS. Phone AD OPR.

HANDLING SERVICES AND FACILITIES

ACFT marshalling is provided for all ACFT ABV 5,700KG MTOW.

AERODROME OBSTACLES

1. Lit masts:

a. 225FT ABV ARP, BRG 292 DEG MAG 4,918M FM SOT RWY 29, infringes HZS by 84FT.

b. 169FT ABV ARP, BRG 274 DEG MAG 3,524M FM ARP, infringes HZS by 31FT.
2. Lit tree 20FT AGL, 840M E of RWY 11 THR and 50M S of RCL. Trees on RWS flyover.
3. RWY 11/29 transition infringement trees 400M E of RWY 11 THR 75M S of RCL infringes TNS by 41FT.
4. Crane 226FT AGL BRG 276 DEG MAG 1.9NM FM ARP, infringes inner HZS by 92FT.

METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT C, METAR/SPECI.
2. AWIS FREQ 133.05 (requires three one-second pulses to activate) - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

11/29 114 77a PCN 27 /F /B /1100 (160PSI) /T Sealed WID 30 RWS 150

AERODROME AND APPROACH LIGHTING

- RWY 11/29 LIRL AFRU+PAL 126.7

RWY 11/29 PAPI(1) AFRU+PAL 126.7 3.0 DEG41FT

RWY 11/29 PTBL(2)
- SDBY PWR AVBL

SDBY PWR AVBL

BY PRIOR ARRANGEMENT
- (1) Left side.
- (2) EMERG only. 2HR PN.
1. PAL activates AD LGT for 30 MIN.
2. AD and APCH LGT powered by generator.

OTHER LIGHTING

1. SDBY PWR switchover time: 30 SEC.
2. TWY LGT: Blue edge.
3. TWY holding point LGT: 2 x yellow.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA BRISBANE CENTRE 118.9

LOCAL TRAFFIC REGULATIONS

1.

All ACFT to track on RWY CL and turn on turning nodes only.
2.

All turns to be MAX RAD and MNM speed to avoid SFC damage.
3.

All jet ACFT to use idle power for movements on the APN with the exception of brakeaway thrust to initiate taxi.

FLIGHT PROCEDURES

Right hand circuits required when OPR on RWY 29.

CTAF - AFRU 126.7

CHARTS RELATED TO THE AERODROME

1.

WAC 3231.
2.

Also refer to AIP Departure and Approach Procedure.

THE LAKES

ELEV 7

FULL NOTAM SERVICE NOT AVBL

91

NSW

314253S

1524329E

AD OPR Kym and Grant Burley, Pacific Highway, Johns River, NSW, 2443.

PH 0418 362 972.

UTC +10

VAR 12 DEG E

YLSK

UNCR

34

REMARKS

Permission **MUST** be granted prior to use of The Lakes facilities.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA                      BRISBANE CENTRE                      120.55

LOCAL TRAFFIC REGULATIONS

Preferred RWY 34 for arrivals and RWY 16 for departures.

FLIGHT PROCEDURES

All CCTS to the East.

CTAF 118.1

The Lakes is close to Camden Haven, YTRE and YPMQ.

ADDITIONAL INFORMATION

1.

CAUTION: Windshear can be severe in approach from either North or South.
2.

Bird hazard exists.
3.

RWY is bounded by an electric fence.

CHARTS RELATED TO THE AERODROME

WAC 3357.

THE MONUMENT

ELEV 949

AVFAX CODE 4318

1900

32

QLD

214843S

1395524E

AD OPR Incitec Pivot Ltd (Southern Cross Fertilisers), L3, 19 Stanley Street, Townsville, QLD, 4810.

Email: [au\\_ipl\\_pho\\_aviation\\_aros@incitecpivotlimited.onmicrosoft.com](mailto:au_ipl_pho_aviation_aros@incitecpivotlimited.onmicrosoft.com).

PH Site 07 4747 0997: AD Manager 0409 476 453: AH 0409 879 224.

ARO 0407 967 029.

UTC +10

VAR 6 DEG E

YTMO

CERT

REMARKS

Restricted OPS. PPR for all OPS.

HANDLING SERVICES AND FACILITIES

Ground handling and fuel by prior arrangement with ARO.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT C, METAR/SPECI.
2. AWIS PH 07 3564 3741 - Report faults to BoM.
3. AWIS FREQ 129.2 - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

14/32 140 62a PCN 19 /F /C /1000 (145PSI) /U

WID 30 RWS 150

**AERODROME AND APPROACH LIGHTING**

RWY 14/32 LIRL PAL 119.65

SDBY PWR AVBL

RWY 14/32 PAPI(1) 3.0 DEG49FT

SDBY PWR AVBL

(1) Left hand side only.

RWY edge light spacing: 14/32: 90M.

**OTHER LIGHTING**

1. SDBY PWR switchover time: Manually activated - 1HR PN.
2. TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

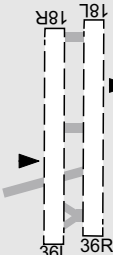
122.4 5500FT

**FLIGHT PROCEDURES**

All pilots are required to BCST their intentions inbound on company FREQ 129.45.

**CTAF - AFRU 127.3****CHARTS RELATED TO THE AERODROME**

1. WAC 3233.
2. Also refer to AIP Departure and Approach Procedures.

**THE OAKS****ELEV 880****FULL NOTAM SERVICE NOT AVBL**


NSW  
340502S 1503337E  
AD OPR Grahame Onus, 995 Burragorang Road, The Oaks, NSW, 2570.  
PH 0421 106 900.

UTC +10  
VAR 12 DEG E  
YOAS  
UNCR

**REMARKS**

1. Private airfield.
2. AD Charges: \$5 all ACFT.
3. Entry gate locked when airfield unattended.

**HANDLING SERVICES AND FACILITIES**

Nearest AVGAS: Camden AD (YSCN, 7NM ENE).  
Nearest MOGAS: BP Service Station, 38 John St, The Oaks (2KM FM airfield).

**PHYSICAL CHARACTERISTICS**

1. RWY 18R/36L 900M. Grass.
2. RWY 18L/36R 800M. Grass.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA SYDNEY CENTRE

124.55

**FLIGHT PROCEDURES**

1. All CCT to W of AD.
2. Avoid overflying township of The Oaks.

**CTAF 126.7****ADDITIONAL INFORMATION**

1. CAUTION: All surfaces become soft after heavy rain.
2. CAUTION: Tall trees in close proximity to THR of RWY 36L/R and 18L.
3. CAUTION: Burragorang Rd runs in close proximity to the THR of RWY 18L/R. Cross at a safe height.

**CHARTS RELATED TO THE AERODROME**

WAC 3456.

## ELEV 723

UNCR

Website: [www.thevale.com.au](http://www.thevale.com.au).

PPR from AD OPR.

LG/WC/AC/HC

1.2M fence at the end of each RWY.

then 3.5% down. Turn pad THR RWY 24.

|     |                  |                    |
|-----|------------------|--------------------|
| FIA | MELBOURNE CENTRE | 120.7 Circuit Area |
|-----|------------------|--------------------|

1. Preferred landing direction RWY 24.
2. Visiting ACFT PRKG on concrete pad.

CTAF 126.7

1. Bird hazard exists.
2. Severe TURB BTW RWY and Mt Roland with southerly wind blowing.
3. Caution due to high trees, high ground and possible wind shear on both approaches.
4. Animal hazards exists.
5. See website for further information.

WAC 3556.

## ELEV 560

**AVFAX CODE 4065**

QLD

UTC +10

YTDR

245911S

1500535E

VAR 9 DEG E

CERT

AD OPR Banana Shire Council, PO Box 412, Biloela, QLD, 4715.

Email: [enquiries@banana.qld.gov.au](mailto:enquiries@banana.qld.gov.au). PH 07 4992 9500, H24 0429 340 390.

## REMARKS

AD AVBL HJ only.

## AERODROME OBSTACLES

Lit mast 912FT AMSL BRG 311 MAG 2.7NM FM ARP. Infringes horizontal SFC by 214FT.

## PHYSICAL CHARACTERISTICS

|       |     |     |                              |        |        |
|-------|-----|-----|------------------------------|--------|--------|
| 17/35 | 171 | 44a | PCN 9 /F /C /800 (116PSI) /T | WID 30 | RWS 90 |
|-------|-----|-----|------------------------------|--------|--------|

## AERODROME AND APPROACH LIGHTING

RWY 17/35 PTBL(1) BY PRIOR ARRANGEMENT  
(1) EMERG use only.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

135.3 2500FT

**CTAF** 126.7**ADDITIONAL INFORMATION**

1. Kangaroo hazard exists.
2. PRKG bay on APN to be kept clear BTN 0830-1500 Local MON, WED and THU for Saab 340 scheduled CHTR FLT PRKG.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3340.
2. Also refer to AIP Departure and Approach Procedures.

**THUNDERBOX****ELEV 1706****AVFAX CODE 6116**

WA

280914S

1205621E

UTC +8

VAR 1 DEG E

YTHN

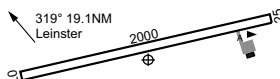
CERT

AD OPR Northern Star (Thunderbox) Pty Ltd, Locked Bag 2, Leonora, WA, 6438.

Email: tboerodrome@nsrltd.com. PH 08 6228 9500. AD Manager PH 0428 666 673.

Email: alabrown@nsrltd.com. ARO H24 0448 062 486. ARO 08 9037 9191.

Website: www.nsrltd.com.

**REMARKS**

1. PPR from AD OPR.
2. AD AVBL HJ only EXC for EMERG.

**HANDLING SERVICES AND FACILITIES**

Ground handling and fuel (JET A1) by prior arrangement with AD OPR.

**PASSENGER FACILITIES**

WC.

**AERODROME OBSTACLES**

1. Fence parallel to RWY CL, 53M S of RWY CL, infringes transitional SFC by 2FT.
2. Wind indicator BRG 080 DEG MAG 0.36NM FM ARP, infringes transitional SFC by 5FT.
3. Mine Site BRG 119 DEG MAG 4.5NM FM ARP.
4. Unmarked and unlit mast 1,893FT AMSL BRG 068 DEG MAG 2.8NM FM ARP, infringes conical SFC by 40FT.
5. Trees located parallel to RWY 07/25 CL, EXTD APRX 100M N, 100M S and along full length of RWY. Infringes transitional SFC by up to 4FT.

**PHYSICAL CHARACTERISTICS**

07/25 074 66c PCN 15 /F /A /950 (138PSI) /U Gravel

WID 30

RWS 90

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE

118.95

**LOCAL TRAFFIC REGULATIONS**

1. RWY 07/25: all fixed wing ACFT must make MAX RAD turns at MNM speed at all RWY ends to avoid SFC damage.
2. Day VMC OPS only.
3. APN and TWY AVBL to single ACFT ABV 5,700KG MTOW when no other ACFT present.
4. No other ACFT allowed if ACFT ABV 5,700KG MTOW occupying APN or TWY.
5. ACFT ABV 5,700KG MTOW to park parallel to RWY on yellow line marked on N side of concrete pad.
6. All fixed wing ACFT to use idle power for movements on the APN with the exception of breakaway thrust to initiate taxi. ACFT that cannot comply with this restriction must advise the AD OPR prior to departure.

FLIGHT PROCEDURES

1. Avoid flying over mine to SE BLW 3,000FT AGL.
2. ACFT DEP via RWY 07 left turn to avoid flying over mine.

CTAF 126.5

CHARTS RELATED TO THE AERODROME

WAC 3345.

THYLUNGRA

ELEV 540

FULL NOTAM SERVICE NOT AVBL

QLD  
260536S  
1432709E

UTC +10  
VAR 8 DEG E

YTHY  
UNCR

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

BRISBANE CENTRE

118.8 6000FT

CTAF 126.7

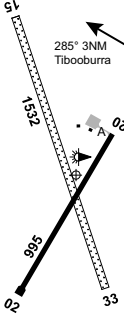
CHARTS RELATED TO THE AERODROME

WAC 3342.

TIBOOBURRA

ELEV 584

AVFAX CODE 2209



NSW  
292704S  
1420328E

UTC +10  
VAR 8 DEG E

YTIB  
CERT

AD OPR Tibooburra Aviation Reserve Trust, PO Box 1840, Dubbo, NSW, 2830.  
PH 02 6883 5400. ARO 0419 283 663. Fax 02 6884 2067.

HANDLING SERVICES AND FACILITIES

Tracy Hotchin (Tibooburra Hotel). Phone to check fuel availability. Airport transfers and accommodation AVBL. PH 08 8091 3310. AVGAS, JET A1.

AERODROME OBSTACLES

1. Lit OBST - 853FT 300 DEG MAG 5,231M from ARP.

2. Unlit OBST - 930FT 286 DEG MAG 5,194M from ARP.

METEOROLOGICAL INFORMATION PROVIDED

1. METAR/SPECI.

2. AWIS PH 02 9353 6454 - Report faults to BoM.

PHYSICAL CHARACTERISTICS

|       |     |     |                     |        |        |
|-------|-----|-----|---------------------|--------|--------|
| 02/20 | 022 | 33a | Unrated. Sealed     | WID 18 | RWS 90 |
| 15/33 | 153 | 50c | Unrated. Red Gravel | WID 18 | RWS 90 |

AERODROME AND APPROACH LIGHTING

RWY 02/20 - Avlite Solar airfield lights. HN. EMERG only.

OTHER LIGHTING

1. TWY LGT: Blue edge.
2. IWI - Solar powered.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA MELBOURNE CENTRE 126.5 On Ground

CTAF 126.7

ADDITIONAL INFORMATION

1. Animal hazard exists. New animal proof fence erected.
2. Beware of unserviceable strips located 1NM NW and SE of town.

CHARTS RELATED TO THE AERODROME

1. WAC 3355.
2. Also refer to AIP Departure and Approach Procedures.

**TILPA****ELEV 280****FULL NOTAM SERVICE NOT AVBL**

08 [-----] 28  
NSW  
305532S 1442512E UTC +10 YTLP  
AD OPR Central Darling Shire Council, PO Box 165, Wilcannia, NSW, UNCR  
2836. PH 08 8091 5927. Fax 8091 5175.

**PASSENGER FACILITIES**

PT (Local only)/ACC (02 6837 3928, 6837 3963)

**AERODROME OBSTACLES**

Power line 500M from RWY 08.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 124.9 On Ground

**CTAF** 126.7**ADDITIONAL INFORMATION**

Animal hazard exists

**CHARTS RELATED TO THE AERODROME**

WAC 3356.

**TIMBER CREEK****ELEV 51****FULL NOTAM SERVICE NOT AVBL**

10 [-----] 28  
NT  
153714S 1302644E UTC +9:30 YTBR  
AD OPR Timber Creek Community Government Council, PMB UNCR  
150, Timber Creek, via Katherine, NT, 0852. PH 08 8975 0860.

**PASSENGER FACILITIES**

Telephone facilities not AVBL.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 122.6 FL120

**FLIGHT PROCEDURES**

Due to the proximity of live firing at the Army Bradshaw Training Area (BFTA), ACFT are to confine OPS to WI 3NM to the N of Timber Creek when the BFTA is active.

**CTAF** 126.7**ADDITIONAL INFORMATION**

Kangaroos frequently on strip.

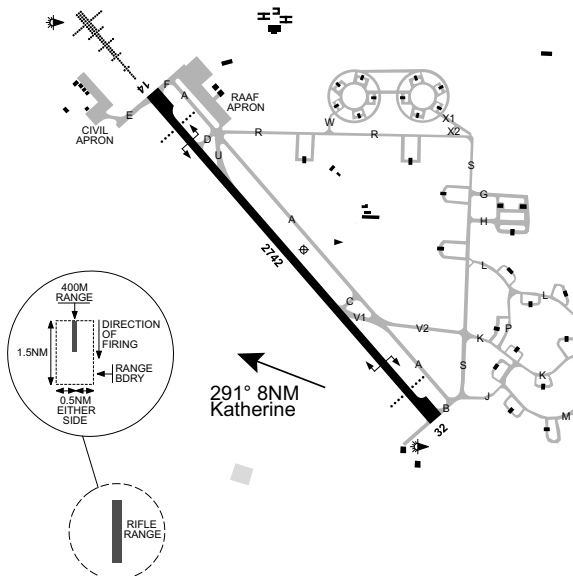
**CHARTS RELATED TO THE AERODROME**

WAC 3109.

**TINDAL****ELEV 443****AVFAX CODE 8002**

NT  
 143116S  
 AD OPR RAAF, Air Base Command Post - RAAF Base, Tindal, NT, 0853. PH 08 8973 6888 (H24).

1322240E  
 UTC +9:30  
 VAR 3 DEG E  
 YPTN  
 MIL

**REMARKS**

1. Katherine civil airport OPR: Katherine Town Council, PO Box 1071, Katherine, NT 0851. Civil airport manager phone 0448 821 745, Email: yptnado@ktc.nt.gov.au. ARO on call: 0499 878 633.
2. INTL emergency diversion AD. Availability of ATS for ACFT requiring Tindal as an emergency diversion AD can be ascertained through Tindal ABCP.
3. AD Charges: Parking charges for civil ACFT - Katherine Town Council.
4. 24HR PN required for parking of all ACFT ABV 5,700KG. On call officer Phone 08 8972 5500.
5. Air movements ADMIN (ACFT to AMS (MIL) FREQ 364.6 APRX range 115NM.
6. ATC enquiries phone 08 8973 6705 or 0408 221 783.
7. This AD is a Security Controlled Airport.

**HANDLING SERVICES AND FACILITIES**

All AVGAS fuelled ACFT to embark/disembark all PAX at terminal before moving to fuel bowsters for refuelling.

Military Airport.

AMS Handling enquiries to be directed through TINDAL Air Base Command Post (ABCP) in the first instance as manned H24.

RAAF: Air movements not AVBL, Mobile Air Load Team REQ required. 2200-0700 MON-THU, 2200-0500 FRI. Refuelling SER not AVBL weekends and AH EXC with 72HR PN. Approval RQ for MIL transits. F34, LHOX, LOX. Contact ABCP.

ABCP General Enquiries: 08 8973 6888 (0730-1630 Local JO), other times 0428 264 175.



AMS General Enquiries: AVBL through ABCP on FREQ 364.6 or 08 8974 3610.

Internet, weather and phone services are AVBL in Flight Planning room contained within main AMS terminal facility. Flight Planning phone number is 08 8974 3639.

CIVIL ACFT: VIVA Energy Aviation/Air BP - Oz Airports: 0600-1800 Local JO. PH 0467 778 606.

Email: yptnado@ktc.gov.au. JET A1, AVGAS H24 bowser. AH PH RQ H24 notice (call out fee applies).

## RESCUE AND FIREFIGHTING SERVICES

1. CAT 6 JO DRG Home Base MIL JET OPS. CAT 4 OT.
2. CAT 6 AVBL OT 72HR PN.
3. Higher RFFS CAT up to CAT 8 AVBL 72HR PN through ABCP subject to staffing.
4. Outside TWR HR CTC RFFS via CTAF.

## APRONS AND TAXIWAYS

1. TWYs E and F WID 23M, A, B, C, D, R, S, U and V WID 15M. W, X1 and X2 WID 9M.
2. Civil APN AVBL to ACFT up to 25,000KG MTOW. Code B ACFT.
3. TWY E - PCN 26/F/C/1930(280PSI)/U.
4. TWY E not AVBL to ACFT ABV 25,000KG MTOW.
5. TWY V2 not AVBL to KC-30B, B737 Wedgetail, B737 BBJ and P-8.

## SURFACE MOVEMENT GUIDANCE

Lit DIST to run markers OVRN 1,000FT.

## AERODROME OBSTACLES

1. TWR (LIT) HGT 164FT AGL, PSN 143033.81S 1322331.37E, 060 MAG/1.2NM FM ARP.
2. Sinkholes of varying size can occur anywhere on the Tindal airfield and may be a hazard during a runway excursion. Not all sinkholes will be marked and may also be hidden by vegetation.
3. Radar TWR (LIT) 604FT AMSL, BRG 021 MAG 1.9NM FM ARP, infringes OLS by 28FT.

## METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT A, METAR/SPECI, TAF3 issued hourly AVBL during MO HRS, AD WRNG.
2. AWIS PH 08 7922 2514 - Report faults to BoM.
3. AWIS FREQ 316.3 - Report faults to AD OPR.
4. MET INFO AVBL FM Airservices Pilot Briefing. Elaborative briefing FM Defence MO 08 8973 7477 when staffed. AH AVBL FM MWO 08 8920 3833.

## PHYSICAL CHARACTERISTICS

14/32                      136    80a    PCN 60 /F /C /1930 (280PSI) /T Grooved.                      WID 45    RWS 280  
B747.

## ARRESTING GEAR

- |            |                       |       |                          |        |
|------------|-----------------------|-------|--------------------------|--------|
| RWY 14 (5) | BAK 12/14<br>88 (288) | ----- | BAK 12/14<br>462 (1,515) | RWY 32 |
|------------|-----------------------|-------|--------------------------|--------|
1. Recessed bi-directional BAK 12/14 Hookcables INSTL 88M (288FT) FM THR RWY 14 and 462M (1,515FT) FM THR RWY 32. Marked by dayglo orange disks.
  2. DIST BTN Cables 1,894M (6,214FT).
  3. NML OPR PSN for arrestable ACFT:
    - a. LDG (dry RWY) - both ends down.
    - b. LDG (wet RWY or tailwind component) - DEP end up, APCH end down.
    - c. DEP (wet/dry RWY) - DEP end up, APCH end down.
    - d. DEP end up on pilot REQ at anytime.
  4. Non-arrestable ACFT or during CTAF HR, both ends down. In the event of PWR failure, cables will rise to a HGT of 10CM until restored. Recommend ACFT not approved to trample hookcables OPR BTN cables during CTAF HR.
  5. CONC absorber housing 1FT high ADJ RWY edge.

## AERODROME AND APPROACH LIGHTING

|           |            |               |
|-----------|------------|---------------|
| RWY 14/32 | HIRL       | SDBY PWR AVBL |
| RWY 14/32 | PTBL       |               |
| RWY 14    | HIAL-CAT I |               |
| RWY 14    | PAPI(1)    | 3.0 DEG57FT   |
| RWY 14    | SFL(2)     |               |
| RWY 32    | PAPI       | 3.0 DEG57FT   |

(1) Small ACFT may experience harmonisation separation from ILS GP prior to THR.

(2) Not AVBL.

### 1. ALS type and length

a. RWY 14 - distance coded CL: 900M.

2. PTBL AVBL for CIV ACFT outside TWR HR. 15MIN PN.

3. AD LGT (including PAPI) AVBL outside TWR HR. Fixed LGT settings outside TWR HR

4. For AD LGT (including PAPI) outside TWR HR, CTC base fire on 119.7 at 30NM Tindal or on TAX.

5. Ambient light detector determines day/evening/night modes.

6. Settings for day/evening/night modes are changed with REF to long term seasonal conditions.

7. Possible 15-30 SEC switchover period during PWR outage for SDBY PWR.

8. RWY 14/32 edge light spacing: 60M.

## OTHER LIGHTING

1. CIV terminal flood LGT switch located outside terminal building on 1HR timer.

2. RPT APN LGT can be turned on by phoning 08 8971 1970, once connected press #2, LGT stay on for 1HR.

3. TWY LGT: Green CL.

## ATS AND AERODROME COMMUNICATION FACILITIES

|      |                    |                                  |
|------|--------------------|----------------------------------|
| FIA  | BRISBANE CENTRE    | 122.6 On Ground (Outside TWR HR) |
| ACD  | TINDAL DELIVERY    | 128.1 241.2                      |
| AFIS | TINDAL INFORMATION | 119.7 (2)                        |
| APP  | TINDAL APPROACH    | 120.95 243.0 261.4               |
| ATIS | TINDAL             | 112.3 124.0 (1) 316.3 (1)        |
| SMC  | TINDAL GROUND      | 135.85 264.3                     |
| SMCV | TINDAL GROUND      | 127.25                           |
| TFC  | TINDAL TRAFFIC     | 125.8 254.7                      |
| TWR  | TINDAL TOWER       | 119.7 243.0 257.3                |

(1) ATIS BCST 124.0, 316.3 DRG ATS HR. ATIS AVBL H24 on phone 08 7978 2183, AWIS OT. AWIS AVBL H24, see MET.

(2) AFIS may be operating at Tindal outside TWR HR. Activation notified on ATIS, CS "Tindal Information". Procedures and services IAW AIP GEN 3.3 Flight Information Service, plus control of AD LGT, arrestor cables and callout of EMERG services. During hours of operation CTC 08 8973 6740.

1. Automatic retransmit FAC exists BTN FLW FREQ: 120.95/261.4; 119.7/257.3; 125.8/254.7; 135.85/264.3; 130.1/342.5; 128.1/241.2.

2. FREQ 243 - Guarded DUR ATS HR. Test TRANS of 10 SEC DUR 2330-2340 MO.

3. ATS/AD hours as required in support of local MIL and exercise operations. Other ACFT requesting ATS must coordinate requirements through Tindal ABCP (08 8973 6888), tdl.abcp@defence.gov.au, or nominate requirements in Air Tasking Order. Availability of ATS for ACFT requiring Tindal as an emergency diversion aerodrome can be ascertained through Tindal ABCP.

4. CTR may be activated at any time. Pilots RQ to confirm status by monitoring ATIS or through Brisbane Centre 122.6.

**RADIO NAVIGATION AND LANDING AIDS**

|     |                                                                                           |                    |           |            |        |
|-----|-------------------------------------------------------------------------------------------|--------------------|-----------|------------|--------|
| DME | ITN                                                                                       | 110.7/ 44X (RWY14) | 143039.3S | 1322157.6E | (7)    |
| GP  | ITN                                                                                       | 330.2 (RWY14)      | 143039.3S | 1322157.5E |        |
| ILS | ITN                                                                                       | 110.7 (RWY14)      | 143159.0S | 1322315.2E | (4)    |
| LOC | ITN                                                                                       | 110.7 (RWY14)      | 143159.0S | 1322315.2E | (5)    |
| TAC | TDL                                                                                       | 112.3/ 70X         | 143124.4S | 1322222.8E | (3)(6) |
| NDB | TN                                                                                        | 356                | 143056.9S | 1322137.5E | (2)    |
| VOR | TN                                                                                        | 112.3              | 143109.1S | 1322215.6E | (1)    |
| (1) | 101/0.41 to ARP - Voice modulated - Transmits voice to ACFT with COM failure.             |                    |           |            |        |
| (2) | 103/1.06 to ARP.                                                                          |                    |           |            |        |
| (3) | TACAN cone of silence 61.7DEG, associated tolerance:                                      |                    |           |            |        |
|     | a. 2000FT AGL - 0.004NM                                                                   |                    |           |            |        |
|     | b. 5000FT AGL - 0.1NM                                                                     |                    |           |            |        |
|     | c. 10000FT AGL - 0.21NM                                                                   |                    |           |            |        |
|     | d. 20000FT AGL - 0.42NM                                                                   |                    |           |            |        |
| (4) | ILS critical area not protected outside ATS HR. Pilot Monitored outside TN ATC HR of SER. |                    |           |            |        |
| (5) | LOC guidance not to be used outside 20DEG either side of centreline.                      |                    |           |            |        |
| (6) | No azimuth guidance inbound and outbound DIST.                                            |                    |           |            |        |
| (7) | Antenna ELEV 426FT.                                                                       |                    |           |            |        |

New intermediate holding point installed on TWY E associated with ILS critical area.

**LOCAL TRAFFIC REGULATIONS**

1. TWY A (14L/32R), TWY R (09/27) & TWY S (18/36) are marked and can be lit as RWY. Only AVBL for use as a RWY by ACFT unable to divert due fuel or with declared EMERG AND when RWY 14/32 not AVBL.
2. TWY V & U not AVBL for RWY entrance.
3. TWYs East of TWY A not AVBL to CIV ACFT.
4. Light ACFT REQ not to conduct engine run-ups on RPT apron.
5. Multi ENG propeller ACFT are not to conduct ENG runs on paved hardstand due creation of FOD.
6. To preserve RWY grooving, ACFT with MTOW of 25,000KG or more RQ 180 DEG turns on RWY, must execute turns at THR ends of RWY (beyond grooved section) unless directed by ATC or NOTAM. ACFT RQ to use MAX radius turns.
7. Parking ACFT on the MIL hardstand is not AVBL unless prior approval has been sought from the Executive Officer, RAAF Base Tindal, 08 8973 6002. Civil ACFT parking is AVBL on Civil Apron. GA ACFT to remain clear of stands 1 & 2.
8. All DEP ACFT are to make first CTC with Tindal ACD to pass details if RQ and obtain AWY CLR. For all arriving and transiting VFR ACFT if FLT details are not known by Tindal make first CTC with Tindal ACD to pass details and obtain SSR code.
9. ATC will not provide the status of Arrestor Systems when they are in the NML OPR PSN.
10. A PERM marked, TEMPO DTHR in use when MIL ACFT are parked in ORP at ends of RWY 14/32. For declared distances, refer to RDS NOTAM. Limited to HJ, VMC and when ATS manned. Full TKOF length AVBL for civil ACFT up to Code 3C. All civil ACFT must land at DTHR. PAPI not AVBL. ACFT REQ full length for LDG must notify ATC on first contact.
 

|              |                                                 |
|--------------|-------------------------------------------------|
| Readback REQ |                                                 |
| ATC          | "(CS) report four white cones in sight"         |
| ACFT         | "Four cones in sight (CS)"                      |
| ATC          | "(CS) beyond the four white cones CLR to land." |
| ACFT         | "DTHR beyond the cones land (CS)"               |
11. RWY 14/32 runway strip (clear of sealed SFC) not AVBL due to multiple unmarked sinkholes.
12. All ACFT DEP RWY 14 are to taxi to DTHR and commence TKOF roll at DTHR markings to prevent jet blast or prop wash.
13. TWY A BTN TWY B and U not AVBL. TWY V1, V2 and C not AVBL. When ATC active, CIV ACFT may be directed to taxi via TWY R and S. During CTAF HR, CIV ACFT LDG RWY 14 may taxi via TWY A north of TWY U. CIV ACFT DEP RWY 32 may enter the RWY via TWY U to backtrack. If TFC permits, backtrack full LEN of the RWY. CTC ATC 08 8973 6740 or ABCP.
14. TWY A not AVBL BTN TWY B and TWY R. TWY C, TWY V1 and TWY V2 not AVBL. CIV ACFT may taxi via TWY R and TWY S if required. For more information CTC ABCP.

## FLIGHT PROCEDURES

1. All ACFT REQ circuit CLR shall CTC Tindal SMC on 135.85/264.3 to pass FLT details and obtain SSR code and AWY CLR. Circuits (Circuit Area defined as 5NM radius based on ARP):
  - a. Jet - 2,000FT AMSL.
  - b. PROP and HEL - 1,500FT AMSL.
  - c. Choppers East. An area contained WI the following boundaries. E of TWY A, W of the Old Stuart Highway and not beyond THR RWY 14 or THR RWY 32. HEL area for conducting winch CCTS not above 1,000FT AMSL.
2. CCTS are to be conducted to the W side of 14/32, unless directed otherwise by ATC.
3. **General Aviation Route through the Bradshaw Field Training Area (BFTA)**  
ACFT may transit through R269/R270 via D236A/B, without notification to or clearance FM Dept of Defence. See Darwin/Tindal VNC for depiction. SFC-3,000FT.
4. **Katherine Helicopter Corridor.**  
The Katherine Helicopter Corridor is established for helicopters transiting between the following locations: Katherine Railway Station, Springvale Homestead, Moonraker, Katherine Showgrounds, Katherine Hospital, Katherine Museum, Kumbidgee Lodge Helipad, Maude Creek Airstrip and Katherine Gorge Helipad.  
The corridor is defined as 1NM either side of the Victoria Highway between the Katherine Railway Station and the intersection of the Victoria Highway and Stuart Highway, thence 1NM either side of the Katherine River between the Stuart Highway Bridge and the Katherine Gorge Helipad.  
ACFT east bound will keep to the north of the Katherine River/Victoria Highway. ACFT west bound will keep to the south of the Katherine River/Victoria Highway.  
When Tindal CTR is active, ACFT must CTC Tindal APP prior to becoming airborne. ACFT requesting clearance to any other locations within the corridor will be cleared as such:  
Radio Phraseology:  
ATC "(callsign) clearance via the HEL corridor not ABV 1,000FT".  
ACFT read back "HEL corridor not above 1,000FT".
5. **Victoria Highway Corridor**
  - a. The Victoria Highway Corridor is a danger area corridor that has been established for civil transits of R250.
  - b. The corridor extends 1-2NM either side of the Victoria Highway between the 30NM ARP and 100NM ARP TN, not above 2,500FT.
  - c. Aircraft are not required to obtain a clearance from ATC when transiting within the Victoria Highway Corridor (D209).
  - d. Eastbound aircraft intending to transit R249 or enter the TN CTR must request clearance on 128.1 MHz leaving the corridor at the Research Centre (30NM TN) and before commencing climb.
  - e. Within the corridor, separation will not be provided from other transiting traffic or from MIL aircraft operating within adjacent restricted areas. Traffic information, if time permits, may be passed.
  - f. While in the corridor pilots must maintain a listening watch on 130.2 MHz and broadcast their intentions.
  - g. Aircraft tracking west within the corridor are to remain north of the Victoria Highway, and aircraft tracking east are to remain south of the Victoria Highway.
6. **Fly Neighbourly Advice 9 and 10**
  - a. When operating in the 'wedge' refer to Special Procedures FN 9 Nitmiluk (Katherine Gorge) - National Park – Fly Neighbourly Advice.
  - b. For Tindal CTR refer to Special Procedures FN 10 – Nitmiluk (Edith River Falls) - National Park – Fly Neighbourly Advice.
7. **Remotely Piloted Aircraft Systems (RPAS)**
  - a. Requests are to be sent to the RPAS Liaison Officer (LO) email address: 452sqntdl.fltrpaslo@defence.gov.au.
  - b. Three business days PN required. Approval subject to the nature and location of activity.

- c. The following information shall be included in the request:
  - (i) Operator information, with at least two contact numbers.
  - (ii) Date and timings of operation.
  - (iii) RPAS details, including: type, weight and description.
  - (iv) Area of Operation (AO) using LAT/LONG or reference to a known location.
  - (v) Operating height (FT AGL).
- d. Individual approval is required for each RPAS operation. Letter of agreement may be available to ongoing or complex operations. ATC approval does not constitute approval for photography of RAAF Base Tindal. Contact the Air Base Command Post for photography approval.
8. In the event of an EMERG, ACFT OPR at Tindal on an unattended airfield basis are to declare the EMERG to Brisbane Centre on 122.6, then advise details to the RFFS Watch Attendant (callsign 'Base Fire'). When active, ACFT may declare the EMERG to 'Tindal Information' AFIS on 119.7, who will notify RFFS and Brisbane Centre.
9. **Restricted Operating Zones (ROZS) within R250**
  - a. To facilitate civil operations within R250, civil ACFT may request Tindal ATC establish ROZS. These are low level, TEMP areas in which ACFT will be segregated (not separated) from MIL ACFT.
  - b. Requests are to be sent to Tindal airspace cell email address: [tdl.airspacecell@defence.gov.au](mailto:tdl.airspacecell@defence.gov.au).
  - c. Two business days PN required. Approval subject to MIL TFC requirements. Priority may be given to OPS for the preservation of life or property.
  - d. The following details are required:
    - (i) Operator name and CTC information.
    - (ii) Nature of OPS.
    - (iii) Date and times of OPS.
    - (iv) Area of operations (LAT/LONG reference and radius from point preferred) and altitude of OPS.
    - (v) Details of ACFT involved.
    - (vi) FREQUENCY monitored.

#### **CTAF - AFRU 119.7**

1. Outside TWR HR.
2. An additional CTAF broadcast with intentions is strongly recommended 10NM from the airfield.

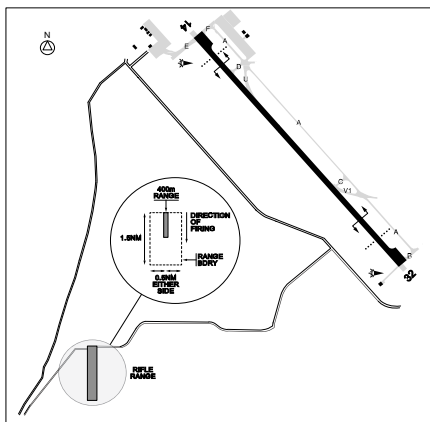
#### **NOISE ABATEMENT PROCEDURES**

1. Sensitive Area YB/S1 Katherine River Gorge APRX 13NM NNE Tindal. Refer FLIP PT 1 Sensitive Areas for geographical coordinates & vertical limits.
2. Katherine Township (TN296008) - Noise sensitive area BLW A020.

#### **ADDITIONAL INFORMATION**

1. Bird and animal hazard. Increased number of the FLW species are expected during specified times which transit through or congregate in critical FLT areas:
  - a. Year round: magpie-lark, bush stone-curlew, nankeen kestrel, and small number of Australian bustard and flying fox. red-tailed black-cockatoo up to 100, at dusk and dawn. Galah, lorikeet, little corella and cockatiel before 1000 and after 1600 Local.
  - b. DEC-May: Australian bustard peak period, groups of 10 congregate on RWY before 1000 and after 1600 Local.
  - c. NOV-APR: masked lapwing breeding period, increased ACT HN around THR.
  - d. APR-JUN and SEP-DEC: Australian pratincole flocks present WI RWY.
  - e. SEP-APR: increased wildlife ACT before 1000 and after 1600 Local and periods of wet WX.
  - f. FEB-APR and SEP-OCT: significant numbers (up to 15,000 per hour) of flying fox encountered BTN 1900-2000 Local.
  - g. NOV-MAY: black kite.

- 1.1. Species specific NOTAM may be issued during periods of increased ACT.
- 1.2. Notify sightings to Tindal ATC when ACT. Other times notify Tindal Base Fire on CTAF 119.7.
- 1.3. CS 'CHASER' may BCST real-time wildlife observations on CTAF 119.7 when on duty.
2. Ultra LGT OPR FM Maude Creek Homestead, 142218.00S 1322454.00E, 2NM NE of Katherine Gorge Airstrip.
3. A 400M rifle range is LCA APRX 1.4NM SW FM Tindal ARP. ACT is indicated by R flags and ATIS when Tindal ATS is ACT. If ACT ACFT shall remain clear OPR ABV 2,000FT, or lateral avoidance can be achieved by remaining visually outside the pictorially represented area (see diagram) when at or BLW 2,000FT.



4. Demolition Range, position 143106.7S 1322423.1E (085/1.7NM FM YPTN ARP). Check NOTAM for TEMPO Restricted Area activation.
5. RFF SER will conduct AD FOD inspection twice DLY.
6. WAE may be OPR at the hook cable hut sites, inside the RWS - callsign "Cable Party". Cable Party will be on CTAF and will vacate if required for ACFT movements.
7. MIL radar in operation PSN 142934S 1322331E.
  - a. Possible avionics interruptions/errors WI 125M BLW 750FT AMSL.
  - b. ACFT transporting MIL ordnance to MNTN the FLW separation FM the radar PSN unless ordnance manufacturers specify shorter DIST.
    - (i) Hazards of Electromagnetic Radiation to Ordnance (HERO) susceptible WI 250M/BLW 850FT AMSL.
    - (ii) HERO unsafe WI 900M/BLW 850FT AMSL.
  - c. PPR by ACFT planning to carry HERO susceptible or HERO unsafe ordnance into Tindal 24HR prior to ARR. Contact Tindal ABCP.

## CHARTS RELATED TO THE AERODROME

1. WAC 3109.
2. MIL Aerodrome Obstruction Chart Type A: MAY 2019.
3. Also refer to AIP Departure & Approach Procedures.

**TOCUMWAL****ELEV 372****AVFAX CODE 3056**

NSW

UTC +10

YTOC

354839S

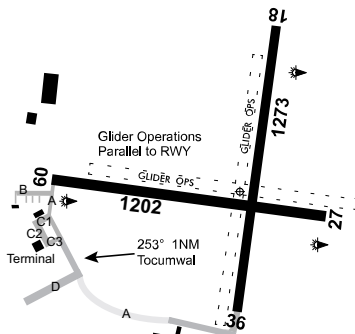
1453615E

VAR 11 DEG E

CERT

AD OPR Berrigan Shire Council, 56 Chanter Street, Berrigan, NSW, 2712. Mobile 0407 069 764.

Council PH 03 5888 5100.

**REMARKS**

Operations Manager PO Box 137, Berrigan, NSW, 2712.

**HANDLING SERVICES AND FACILITIES**

Aero Refuellers: PH 0413 003 808 AVGAS H24 (Aero Refuellers Carnet, MC, V) AVBL, unmanned.

**PASSENGER FACILITIES**

AC/PT/WC/RF.

**AERODROME OBSTACLES**

Telephone TWR: 546FT AMSL 277DEG MAG 2.6NM FM ARP.

**PHYSICAL CHARACTERISTICS**

09/27 087 39a 5700/580 (84PSI)

WID 30 RWS 90

18/36 177 42a 5700/580 (84PSI)

WID 30 RWS 90

**AERODROME AND APPROACH LIGHTING**

RWY 09/27 LIRL AFRU+PAL 125.5

RWY edge light spacing: 09/27: 90M.

**OTHER LIGHTING**

TWT LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE

118.6 4500FT

**FLIGHT PROCEDURES**

1. Gliding OPS HJ. Simultaneous OPS from parallel RWY. CONTRA CIRCUITS IN OPERATION. THERE IS NO DEAD SIDE WITH CONTRA CIRCUITS.
2. Gliders and tugs use separate RWS 09L/27R and 18R/36L, marked by orange gable markers. Also AVBL for tailskid-equipped ACFT.
3. Glider and tugs CCTS to N or W, other ACFT CCTS to S or E. Other ACFT must not infringe glider/ultralight CCTS BLW 1500FT AGL.
4. Right hand CCTS RWY 09R and 36R. Gliders/tugs right hand CCTS RWY 18R and 27R.
5. WHERE POSSIBLE ACFT SHOULD CONFORM TO ESTABLISHED RWY DIRECTION IN USE. Join circuit in downwind position or upwind along RWY 09R/27L or 18L/36R. In summary, powered ACFT operate to the S of RWY 09/27 and to the E of RWY 18/36.
6. If use of a crossing RWY is operationally necessary a wide circuit to join a long final clear of established circuit TFC is advised. On DEP maintain RWY heading until clear of other TFC.

**CTAF - AFRU 125.5**

ADDITIONAL INFORMATION

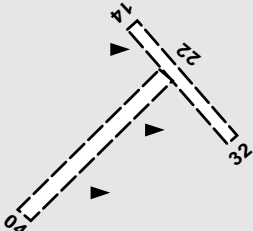
1. Animal and bird hazard exists.
2. Model ACFT OPR WI 0.6NM RAD of PSN 355649.6S 1454207.3E BRG 138 MAG 9.6NM FM ARP, HJ. OPR will MNT CTAF. OPR CTC TEL: 0429 239 308. SFC TO 2,000FT AGL.

CHARTS RELATED TO THE AERODROME

1. WAC 3457.
2. Also refer to AIP Departure and Approach Procedures.

TOORADIN

AVFAX CODE 3063



VIC

381256S 1452525E

AD OPR Amber Airports Pty Ltd, PO Box 40, Tooradin, VIC, 3980.

PH 03 5998 3722. Website: [www.ytdn.com.au](http://www.ytdn.com.au).

REMARKS

1. RESTRICTED OPS. PPR from AD OPR via website.

2. Landing fees apply, refer to website.

ELEV 10

FULL NOTAM SERVICE NOT AVBL

UTC +10

VAR 12 DEG E

YTDN

UNCR

HANDLING SERVICES AND FACILITIES

AVGAS AVBL DLY, 0900 -1700 Local, CTC AD OPR. Mobile PH and credit card required. MC and V only.

PASSENGER FACILITIES

Undercover waiting area/WC

METEOROLOGICAL INFORMATION PROVIDED

AWIS FREQ 124.75 - Report faults to AD OPR.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA MELBOURNE CENTRE 123.35 Circuit Area

FLIGHT PROCEDURES

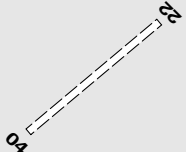
Right hand circuits REQ when OPR RWY 04 and 32.

CTAF 124.2

CHARTS RELATED TO THE AERODROME

1. WAC 3469 and 3470.
2. Also refer AIP Departure and Approach Procedures.

TOORAWEEAH



NSW

312630S 1485400E

AD OPR Gilgandra Shire Council, PO Box 23, Gilgandra, NSW, 2827.

PH 02 6817 8800.

PASSENGER FACILITIES

Telephone facilities not AVBL.

ELEV 1380

FULL NOTAM SERVICE NOT AVBL

UTC +10

VAR 11 DEG E

YTDN

UNCR

ATS AND AERODROME COMMUNICATION FACILITIES

FIA BRISBANE CENTRE 127.1 4000FT

CTAF 126.7

CHARTS RELATED TO THE AERODROME

WAC 3356, 3357.



**TOOWOOMBA****ELEV 2087****AVFAX CODE 4003**

QLD

UTC +10

YTWB

273229S

1515445E

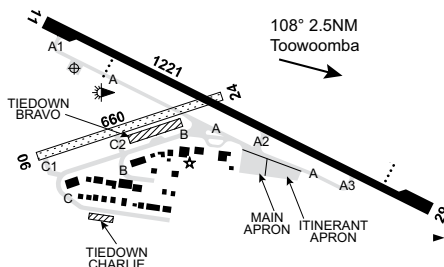
VAR 11 DEG E

CERT

AD OPR Toowoomba Regional Council, PO Box 3021, Toowoomba, QLD, 4350.

Email: aerodrome@tr.qld.gov.au. Council PH AH 0497 099 111: BH Aerodrome 07 4688 6117.

Website: www.tr.qld.gov.au/aerodromes.

**REMARKS**

1. Current AD charges: see website.
2. Itinerant APN PRKG not AVBL September to November due Queensland Fire and Emergency Services (Firebombers) OPS. Main APN AVBL.
3. This AD is a Security Controlled airport. To re-enter airside, find gate code under flap on airside of exit gates.
4. All ACFT are required to be secured if left unattended.
5. RWY 06/24 restricted to fixed wing ACFT BLW 2,000KG MTOW.
6. Pavement concessions required for ACNs greater than 10, CTC AD OPR during BH.
7. Access AVBL in accordance with Toowoomba Region Aerodromes. Conditions of Access and Use. See website.

**HANDLING SERVICES AND FACILITIES**

AIRPORT FUEL FACILITY - Agent AIR BP/Austrek Aviation. JET A1 1900-0700 UTC MON-FRI. AH 1HR PN required, call out fee applies. BP Carnet, MC and V accepted. Mobile 24HR 0437 697 952. Office 07 4659 0600.

Agent IOR Aviation Pty Ltd/Darling Downs Aero Club Ltd. AVGAS and ULP 98 self-serve 24HR facility and accepts only V and MC. JET A1, IOR Aviation 0500-1700 Local MON-FRI. AH call out fee applies. EFT payment available, 1HR PN required. PH 0410 348 880.

**PASSENGER FACILITIES**

TX/LG/WC/ME/RF.

**APRONS AND TAXIWAYS**

1. Main APN PCN 10/F/B/1250/T.
2. Itinerant APN PCN 4/F/B/700/T, restricted to ACFT BLW 5,700KG MTOW.
3. TWYs A2 and C PCN 5/F/B/Y/T.
4. TWY A - FM A1 to A2 - Sealed, Code A, WID 10M, restricted to ACFT with OMGS less than 5.5M. FM A2 to A3 - Sealed, Code B restricted to ACFT with wingspan of 20M or less.
5. TWY A1 - Sealed, Code A, WID 10M.
6. TWY A2 - Sealed, Code B, WID 22M.
7. TWY A3 - Sealed, Code B, WID 10M, restricted to ACFT with wingspan of 20M or less.
8. TWY B - Sealed, Code B, WID 10M.
9. TWY C - Sealed, Code B, WID 11M.
10. TWY C1 and C2 - Unsealed, Code A, WID 11M.
11. Taxilane B - Sealed Code B, WID 10M. FM TWY B to end Restricted Class B. Restricted to ACFT with wingspan of 18M or less.
12. Taxilane C - Sealed, Code B, WID 11M.

**SURFACE MOVEMENT GUIDANCE**

RWY 11/29: Lit distance to run markers located on southern side at 600M and 300M.

## AERODROME OBSTACLES

1. Power pole - HGT 2,277FT AMSL BRG 019 MAG 1.0NM FM ARP, MIOL (steady red).
2. Communications tower - HGT 2,482FT AMSL BRG 036 MAG 3.2NM FM ARP, LIOL (steady red).
3. Communications tower - HGT 2,528FT AMSL BRG 081 MAG 3.1NM FM ARP, MIOL (flashing red).
4. Flag pole - HGT 2,470FT AMSL BRG 108 MAG 4.6NM FM ARP, MIOL (flashing red).
5. Water reservoir - HGT 2,315FT AMSL BRG 146 MAG 1.3NM FM ARP, MIOL (steady red).
6. Communications tower - HGT 2,309FT AMSL BRG 156 MAG 2.7NM FM ARP, MIOL (steady red).
7. Light pole (Itinerant Apron eastern end) – HGT 2,110FT AMSL BRG 104 MAG 0.45NM FM ARP, MIOL (steady red).
8. Light pole (Main Apron western end) – HGT 2,126FT AMSL BRG 106 MAG 0.35NM FM ARP, MIOL (steady red).
9. Grain silo - HGT 2,238FT AMSL BRG 142 MAG 1.9NM FM ARP, unlit.

## METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT C, METAR/SPECI.
2. AWIS Phone 07 3564 3742 - Report faults to BoM.
3. AWIS FREQ 127.05 - Report faults to AD OPR.

## PHYSICAL CHARACTERISTICS

|       |     |     |                                |                |        |        |
|-------|-----|-----|--------------------------------|----------------|--------|--------|
| 06/24 | 062 | 22c | 345 (50PSI)                    | Unrated. Grass | WID 18 | RWS 60 |
| 11/29 | 106 | 40a | PCN 10 /F /B /1250 (181PSI) /T |                | WID 30 | RWS 90 |

Pavement concession required for ACNs greater than 10.

## AERODROME AND APPROACH LIGHTING

|           |         |              |             |               |
|-----------|---------|--------------|-------------|---------------|
| RWY 11/29 | LIRL(2) | PAL+AA 122.4 |             | SDBY PWR AVBL |
| RWY 11/29 | PAPI(1) | PAL+AA 122.4 | 3.0 DEG45FT | SDBY PWR AVBL |
| RWY 11/29 | RTIL(2) | PAL+AA 122.4 |             | SDBY PWR AVBL |

- (1) Right side - ACT by PAL H24. SDBY PWR H24.
- (2) ACT by PAL H24. SDBY PWR H24.
1. Highway with route lighting running parallel to RWY 11/29, APRX 150M N of RCL, may be mistaken for RWY. Confirm RWY identification by RWY markings/lights/RTIL.
2. RWY edge light spacing: RWY 11/29: 60M.

## OTHER LIGHTING

- ABN                      ALTN 5 WG                      ACT by PAL H24.
1. Secondary PWR switchover time: less than 15SEC.
  2. TWY LGT: TWY A: CL green, TWY B partially lit: CL green, TWY A1, A2 and A3: blue edge.
  3. Main and Itinerant aprons flood-lit HO.

## ATS AND AERODROME COMMUNICATION FACILITIES

FIA                      BRISBANE CENTRE                      121.2 500FT

On ground communications may be AVBL with ATS dependent on ACFT location and building shielding. FREQ 135.6 may be tried as an alternative for cancellation of SAR.

## LOCAL TRAFFIC REGULATIONS

1. Subject to weather/TFC or operational constraints, the following are the preferred departure and arrival procedures.
  - a. Departures - Preferred RWYs - RWY 29 and RWY 24.
  - b. Arrivals - Preferred RWYs - RWY 11 and RWY 06.
  - c. Weather permitting, TKOF from RWY 06 to be avoided due noise abatement.
2. ACFT to use RWY 11/29 turning nodes when back tracking RWY.
3. Due to single lane and obstructed visibility, all TFC using TWY and/or taxilane B or C to check for oncoming ACFT and BCST intentions.
4. Run-ups for RWY 11 are to be carried out at the run-up bay located at the W end of TWY A.
5. Preferred location for maintenance ground runs is the run-up bay located at the W end of TWY A. Maintenance ground runs are not permitted in leased areas.

6. Main APN - three bays provided for short term use (more than 3 nights, use Itinerant APN). Bay 1 up to DHC 8-300 (helicopters allowed), Bays 2 and 3 MAX wingspan 18M, Bay 2 reserved for RFDS.
7. Itinerant Apron - PRKG subject to availability.
8. Additional ACFT PRKG AVBL on tie-downs Bravo and Charlie. Tie-down Charlie restricted to ACFT with MAX 8M wingspan.
9. Tie-down Bravo entry/exit at TWY C2.
10. Jet ACFT to use turning nodes to bypass THR for U-turn to commence TKOF FM THR. Jet ACFT MUST commence TKOF FM THR.
11. HEL PRKG at Itinerant APN when AVBL or at Main APN Bay 1.
12. HEL training OPS occur. Contra rotating CCTS may be conducted.

## FLIGHT PROCEDURES

1. Due to RWY crest ACFT **MUST** BCST intentions on the CTAF before OPR on RWY 11/29.
2. ACFT departing west should:
  - a. prior to taxiing monitor Oakey ATIS on 124.3 to ascertain Oakey status.
  - b. If active IFR must contact Oakey Approach on 125.4; or
  - c. VFR must contact Oakey Delivery on 133.35.
3. Clearance through R654A may not be available on the YTWB/BIVAT-MESD-Q484 or Q303 routes. VFR clearances AVBL via the Warrego VFR route.
4. Departures W and SW from Toowoomba will be restricted to not above 10,000FT when R639 is active. Diversion route YTWB-MESD-Q237 or Q303 with climb to higher levels available.
5. When OK airspace is ACT arrivals FM W track MATVI LUKEY BIVAT. R639 may be active.
6. VFR transits of OK CTR via WARREGO VFR route.
7. When OK airspace active, BN CEN and OK will coordinate APCH request through OK airspace for RNP RWY 11. FREQ switch from BN CEN to OK APP will be advised by ATC. Known traffic will be passed to ACFT through ATC. OK APP will transfer to CTAF APRX 2NM from TWBWF.
8. ATC will coordinate any RQMNTS with AMBERLEY when R625B or R625C are active to allow start of RNP RWY 29 instrument procedure in restricted airspace.
9. Hover practice/training to be conducted S of RWY 11 run-up bay for noise abatement.
10. No hover training ADJ to tie-down areas.

## CTAF - AFRU 127.65

1. Toowoomba, Oakey and Wellcamp.
2. Excluding Oakey airspace when active.
3. Due to terrain shielding, VHF CTC with ACFT on or close to the ground at Toowoomba/ Brisbane West Wellcamp is not possible.

## NOISE ABATEMENT PROCEDURES

1. AD Curfew applies. AD AVBL 1900-1300 UTC (0500-2300 Local). AH, AD only AVBL to ACFT on MED flight, EMERG and MIL use.
2. Compliance with the following Noise Abatement Procedures does not affect a pilot's responsibility to operate in accordance with civil aviation legislation and procedures.
  - a. Noise sensitive area N of the AD (housing estates). Pilots are requested to avoid the area if possible, CCTS or transit not BLW 1000FT AGL.
  - b. ACFT ARR-YTWB 5NM Straight in APCH preferred.
  - c. ACFT DEP-RWY 11 to the S or SW recommend right turn at 3NM or 1500FT AGL.
  - d. Simulated engine failure after TKOF in single engine ACFT preferred on RWY 29 or otherwise inside AD boundary.
  - e. Simulated asymmetric OPS not permitted.
3. For RWY 29 departure, when practicable, enter at TWY A2 and back-track.
4. Run-ups for RWY 29 are to be carried out at the designated run-up zone east of the Main APN on TWY A. NO run-ups permitted on the Itinerant APN.

ADDITIONAL INFORMATION

1.

Bird hazard exists on/in VCY of AD extending to CBD, racecourse and near landfill (BRG 011 MAG 2.0NM FM ARP) and WI circuit area.
2.

European hare hazard exists.
3.

Flying fox hazard exists after last LGT.
4.

ACFT at opposite ends of RWY 11/29 may be out of sight from each other.
5.

Qantas Group Pilot Academy operates from YBWW. CAUTION increased flight training traffic YTWB circuit and adjacent areas extending to Leyburn, Millmerran and Cecil Plains.
6.

Caution: due to mechanical turbulence, secondary wind indicator may give erroneous readings.

CHARTS RELATED TO THE AERODROME

1.

WAC 3340.
2.

Also refer to AIP Departure and Approach Procedures.

TORQUAY

ELEV 30

FULL NOTAM SERVICE NOT AVBL

UTC +10

YTCY

VIC

1442154E

VAR 12 DEG E

UNCR

381800S

AD OPR Torquair, PO Box 320, Torquay, VIC, 3228. PH 03 5261 5100. Fax 5261 5100.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

MELBOURNE CENTRE

123.35 On Ground

CTAF 119.0

CHARTS RELATED TO THE AERODROME

WAC 3469, 3470.

TOTTENHAM

ELEV 793

FULL NOTAM SERVICE NOT AVBL

UTC +10

YTOT

NSW

1472208E

VAR 11 DEG E

UNCR

321522S

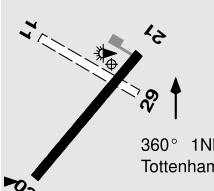
AD OPR Lachlan Shire Council, PO Box 216, Condobolin, NSW, 2877.

PH 02 6895 1900. AH 0428 924 129. Website: [www.lachlan.nsw.gov.au](http://www.lachlan.nsw.gov.au).

REMARKS

360° 1NM AD charges apply - refer to website for details.

Tottenham



AERODROME OBSTACLES

RWY 03/21 transitional slope is infringed by trees on west side.

PHYSICAL CHARACTERISTICS

03/21 029 40a RWY LEN 1,204M. WID 18 RWS 90

11/29 108 23c Unrated. Grassed red clay. RWY LEN 705M. WID 20 RWS 90

AERODROME AND APPROACH LIGHTING

RWY 03/21 self activated solar LGT.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

MELBOURNE CENTRE

123.9 3000FT

CTAF 126.7

ADDITIONAL INFORMATION

Significant animal hazard exists.

CHARTS RELATED TO THE AERODROME

WAC 3456, 3457.

**TOWNSVILLE/TOWNSVILLE INTL****ELEV 18****AVFAX CODE 4402**

QLD

UTC +10

YBTL

191509S

1464555E

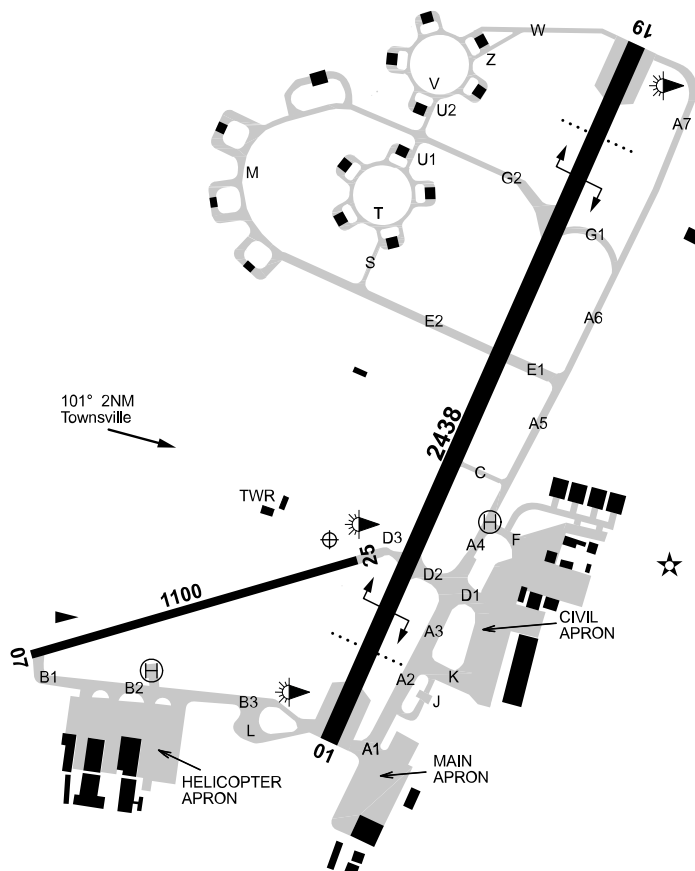
VAR 7 DEG E

JOINT

AD OPR RAAF, Garbutt/Townsville Airport Pty Ltd, PO Box 7636, Garbutt, Townsville, QLD, 4814.

Email: aviation@tsvairport.com.au. PH 07 4727 3211. ARO H24 0418 771 999.

Website: www.townsvilleairport.com.au.

**REMARKS**

1. Conditions of Use and AD charges apply at Townsville International Airport, AVBL FM website.
2. ATS HR 2000-1200 UTC DLY. CTAF PROC apply AH. AH ATS AVBL SUBJ staffing. Require 48HR PN for approval. Email: tvl.atc@defence.gov.au.
3. This AD is a Security Controlled Airport.
4. All pilots and operators must possess and display a current Aviation Security Identification Card (ASIC) when in all areas airside unless under escort.

## HANDLING SERVICES AND FACILITIES

### Civil

The Airport Operator does not provide an ACFT marshalling service. All requests for ACFT marshalling should be directed to the airlines or Fixed Base Operations (if applicable).

BP - Air Fuel Townsville: 2130-0730 UTC MON-FRI, SAT-SUN 2200-0800 UTC.

PH (Office) 0420 896 241, for fuel H24 0412 777 160, VHF 126.4 Callsign "AIR BP".

AVGAS, JET A1, O117, O125, O156. AVGAS BP Carnet bowser. EFTPOS and BP Carnet.

Skyfuel/Viva: 0430-1930 Local MON-FRI, 0445-1830 Local SAT, 0445-1830 Local SUN. AH 60MIN

PN. PH 0411 423 955 (office), PH 0407 167 346 (all fuel orders). JET A1, Viva Carnet card accepted.

### Military

LHOX and LOX AVBL. First point of contact is Air Base Command Post.

Duty Crew and 27 Squadron Air Movements Townsville AVBL MON-THU 2130-0630 UTC, FRI 2130-0400 UTC excluding PH. CTC 361.6 MHZ.

Air Base Command Post: Phone 07 4752 1888, Mobile 0418 405 948, email: tvl.abcp@defence.gov.au.

## RESCUE AND FIREFIGHTING SERVICES

1. CAT 7 H24.
2. AVBL H24 FREQ 131.0. Request via ATC.

## APRONS AND TAXIWAYS

1. **Civilian Aircraft Apron Pavement Ratings**
  - a. Concrete APN: PCN 58/R/D/1750/U.
  - b. Asphalt APN: PCN 55/F/D/1400/T.
  - c. GA APN: PCN 6/F/D/850/T.
2. **TWY Restrictions**
  - a. TWY A, N of TWY D reduced to 15M width. Not AVBL to ACFT with wingspan greater than 36M or wheel base greater than 18M. MIL ACFT up to C-17A permitted.
  - b. TWY B not AVBL to ACFT with wingspan greater than 36M or wheel base greater than 18M.
  - c. TWY C not AVBL to ACFT with MTOW greater than 5,700KG.
  - d. TWY D1 not AVBL to ACFT with wingspan greater than 36M.
  - e. TWY E1 not AVBL to ACFT with wingspan greater than 29M. E-7A ACFT permitted.
  - f. TWY E2 limited to ACFT no larger than C130. Pavement concession required for C-17, BBJ, P-8A and E-7A.
  - g. TWY G1 not AVBL to ACFT with wingspan greater than 36M or wheel base greater than 18M. MIL ACFT up to C-17A permitted.
  - h. TWY G2 21M wide. No shoulders. KC-30A requires pavement concession.
  - i. TWY J not AVBL.
  - j. TWY L not AVBL to ACFT with wingspan greater than 36M or wheel base greater than 18M.
  - k. TWY M restriction between TWY G2 and Military Ordnance Loading Area (MOLA) 11, see TWY G2. For TWY M restriction between E2 and MOLA 12, see TWY E2.
  - l. TWY S, T, U, V, W and Z limited to MIL fast jets.

## SURFACE MOVEMENT GUIDANCE

1. RWY 01/19 Distance-to-run markers installed.
  2. RWY 07 300M and 600M to RWY end markers installed left of RWY.
-

## AERODROME OBSTACLES

1. Lit WDI 89M S of THR RWY 19 and 162M E of RCL. Infringes TNS by 15FT.
2. Lit buildings:
  - a. 198M S of THR RWY 01 and 200M E of RCL. Infringes TNS by 28FT.
  - b. 60M N of THR RWY 19 and 142M W of RCL. Infringes RWS and TNS by 10FT.
3. Lit masts:
  - a. 669FT AMSL BRG 212 DEG MAG 2NM FM ARP. TACAN NAVAID. Infringes HZS.
  - b. 535FT AMSL BRG 78 DEG MAG 1.97NM FM ARP. COMMS TWR. Infringes HZS.
  - c. 980FT AMSL BRG 92 DEG MAG 2.1NM FM ARP. COMMS TWR. Infringes HZS.
  - d. 308M N of THR RWY 01 and 152M W of RCL. Infringes TNS by 27FT.
  - e. 1,683FT AMSL on Magnetic Island BRG 020 DEG MAG located 8NM FM THR RWY 01. Infringes outer HZS by 863FT.
  - f. 705FT AMSL BRG 353 DEG MAG 3.8NM FM ARP. Radar dome. Infringes outer HZS.
  - g. 2,345FT AMSL BRG 164 DEG MAG 5.5NM FM ARP. Mt Stuart TWR. Infringes outer HZS.

## METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT A, METAR/SPECI, TAF3 issued hourly AVBL during MO HRS (2100-0700 UTC MON-THU, 2100-0500 UTC FRI, EXC PH, OT by TAF RMK/NOTAM), AD WRNG, WS WRNG.
2. AWIS PH 07 3564 3743 - Report faults to BoM.
3. AWIS FREQ 133.5 AVBL outside TWR HR - Report faults to AD OPR.
4. MET INFO AVBL FM Airservices Pilot Briefing. Elaborative briefing FM MO 07 4775 7311 when staffed. AH AVBL FM MWO 07 3239 8721.

## PHYSICAL CHARACTERISTICS

|       |     |     |                                         |        |         |
|-------|-----|-----|-----------------------------------------|--------|---------|
| 01/19 | 017 | 80a | PCN 71 /F /C /1750 (254PSI) /T Grooved. | WID 45 | RWS 300 |
|       |     |     | N and S ends concrete ungrooved.        |        |         |
| 07/25 | 067 | 36a | PCN 20 /F /C /1050 (152PSI) /U Asphalt. | WID 30 | RWS 90  |

## ARRESTING GEAR

- |        |                                    |       |                                    |        |
|--------|------------------------------------|-------|------------------------------------|--------|
| RWY 01 | BAK 12/14<br>(R)(B)<br>445 (1,460) | ----- | BAK 12/14<br>(R)(B)<br>445 (1,460) | RWY 19 |
|--------|------------------------------------|-------|------------------------------------|--------|
1. Recessed bi-directional BAK 12/14 hookcables INSTL 445M (1,460FT) FM THR RWY 01/19. Marked by yellow disks. DIST BTN Cables 1,540M (5,080FT). NML OPR PSN on LDG (dry RWY): arrestable ACFT - DEP end down. NML OPR PSN on LDG (wet RWY, tailwind or EMERG): arrestable ACFT - DEP end up. NML OPR PSN on DEP (wet/dry RWY): arrestable ACFT - DEP end up. DEP end up on pilot request at any time. No crossing restrictions in down PSN. In the event of PWR failure, cables will rise to a HGT of 10CM until PWR restored - recommend ACFT not approved to trample hookcables OPR BTN cables during CTAF HR. CONC absorber housing 1FT high ADJ RWY edge.
  2. RWY 01 hookcable arrestor system not AVBL (locked down) EXC with 2HR PN during cable party OPR HR and 24HR PN outside of OPR HR. CTC Air Base Command Post PH: 07 4752 1888.
  3. RWY 19 hookcable arrestor system not AVBL (cable removed).

AERODROME AND APPROACH LIGHTING

|           |                                                                                                                                                            |                |             |               |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------|---------------|
| RWY 01/19 | MIRL                                                                                                                                                       | AFRU+PAL 118.3 |             | SDBY PWR AVBL |
| RWY 01/19 | PTBL(2)                                                                                                                                                    |                |             |               |
| RWY 01    | PAPI                                                                                                                                                       | AFRU+PAL 118.3 | 3.0 DEG49FT | SDBY PWR AVBL |
| RWY 01    | SALS                                                                                                                                                       | AFRU+PAL 118.3 |             | SDBY PWR AVBL |
| RWY 19    | PAPI                                                                                                                                                       | AFRU+PAL 118.3 | 3.3 DEG49FT | SDBY PWR AVBL |
| RWY 07/25 | PTBL(1)                                                                                                                                                    |                |             |               |
| (1)       | AVBL EMERG only                                                                                                                                            |                |             |               |
| (2)       | 30 MIN PN                                                                                                                                                  |                |             |               |
| 1.        | <b>ALS type and length</b>                                                                                                                                 |                |             |               |
|           | a. RWY 01 - distance coded CL: 340M.                                                                                                                       |                |             |               |
| 2.        | PTBL LGT - Emergency flare path AVBL H24, laid by ARFFS.                                                                                                   |                |             |               |
| 3.        | PAPI RWY 19 should not be used beyond 5NM FM THR as it does not provide CLR over Magnetic Island.                                                          |                |             |               |
| 4.        | RWY 01 PAPI AZM restricted to 8DEG either side of CL.                                                                                                      |                |             |               |
| 5.        | AFRU+PAL AVBL outside ATS HR. REQ for LGT can also be made THRU Brisbane ATC 120.55. Expect a 10MIN DLA.                                                   |                |             |               |
| 6.        | RWY 01 and RWY 19 RTIL activated when threshold displaced during daylight hours only. RTIL located on both sides of RWY at 574M FM permanent THR position. |                |             |               |
| 7.        | RWY 01/19 edge light spacing: 60M.                                                                                                                         |                |             |               |

OTHER LIGHTING

|     |                                                                          |                                 |
|-----|--------------------------------------------------------------------------|---------------------------------|
| HBN | OCC R                                                                    | Mt Louisa, Mt Stuart, Mt Cook.  |
| HBN | R                                                                        | CONS - Castle Hill, Many Peaks. |
| 1.  | Standby PWR generators are alerted when LOW VIS procedures are imminent. |                                 |
| 2.  | Standby PWR switchover time: 15 SEC.                                     |                                 |
| 3.  | TWY LGT: Green CL.                                                       |                                 |

ATS AND AERODROME COMMUNICATION FACILITIES

|         |                                                                                                               |                                                        |
|---------|---------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| FIA     | BRISBANE CENTRE                                                                                               | 120.55 On Ground (Outside TWR HR)                      |
| ACD     | TOWNSVILLE DELIVERY                                                                                           | (4) 128.1 236.1                                        |
| APP/DEP | TOWNSVILLE APPROACH                                                                                           | (2) 126.8P 134.1S 243.0 276.0 (5) 282.4S 307.8P 335.8S |
| ATIS    | TOWNSVILLE ATIS                                                                                               | (3) 114.1 133.5 276                                    |
| SMC     | TOWNSVILLE GROUND (ACFT)                                                                                      | 121.8 264.6                                            |
| SMCV    | TOWNSVILLE GROUND (VEHICLES)                                                                                  | 119.45                                                 |
| TWR     | TOWNSVILLE TOWER                                                                                              | 118.3 243.0 257.8 276 (5)                              |
| VOLMET  | AUSTRALIA                                                                                                     | 6676 (1) 11387 (1)                                     |
| (1)     | H24, BCST 00 - 05 & 30 - 35. Refer AIP GEN 3.5.                                                               |                                                        |
| (2)     | FIS AVBL in Class G within 36NM TL during ATS HR.                                                             |                                                        |
| (3)     | ATIS available on phone 07 4752 1216.                                                                         |                                                        |
| (4)     | Arriving VFR ACFT shall CTC ACD to pass FLT details and obtain SSR code.                                      |                                                        |
| (5)     | Transmits voice to ACFT with COM failure.                                                                     |                                                        |
| 1.      | FREQ 243.0 - Guarded EMERG FREQ. Test transmissions every MON FM 2300-2315                                    |                                                        |
| 2.      | Automatic retransmit FAC exists BTN FLW FREQ: 126.8/307.8; 134.1/335.8; 118.3/257.8; 121.8/264.6; 128.1/236.1 |                                                        |



**RADIO NAVIGATION AND LANDING AIDS**

|     |     |                    |           |            |        |
|-----|-----|--------------------|-----------|------------|--------|
| DME | ITL | 109.3/ 30X (RWY01) | 191518.6S | 1464552.3E | (6)(7) |
| GP  | ITL | 332 (RWY01)        | 191518.7S | 1464552.6E | (5)(8) |
| ILS | ITL | 109.3 (RWY01)      | 191406.8S | 1464632.2E |        |
| LOC | ITL | 109.3 (RWY01)      | 191406.8S | 1464632.2E | (5)    |
| DME | TL  | 114.1/ 88X         | 191439.1S | 1464529.6E | (2)    |
| VOR | TL  | 114.1              | 191439.1S | 1464529.1E | (1)    |
| NDB | TVL | 276                | 191449.0S | 1464544.3E | (3)    |

Range 70 (HN 75) OW  
170 (OW HN110)

TAC TVL 110.4/ 41X 191644.5S 1464433.4E (4)(9)

(1) 133/0.6

(2) 134/0.6 - Antenna ELEV 35 FT AMSL.

(3) 145/0.4 - ATIS, voice AVBL for EMERG - POSS BRG FLUC BTN 070 and 270 MAG BLW 11,000FT AMSL - Pilot MNT DRG CTAF HR.

(4) 032/2.0 - Terrain shielding BTN 140 radial - 160 radial beyond 25NM at MSA. TACAN TVL is not paired with or co-located with TL VOR/DME, and therefore is not to be used with:SID, ILS/DME, LOC/DME or VOR/DME approaches. Pilot MNT outside ATS HR.

(5) Pilot MNT outside ATS HR.

(6) Antenna ELEV 30FT AMSL.

(7) Poor coverage below 5500FT AMSL LTD by terrain shielding beyond 12DEG N and beyond 22DEG S of RWY CL.

(8) ILS GP critical area infringed by IWI.

(9) TACAN guidance unusable in sector area BTN 139 radial and 149 radial.

**LOCAL TRAFFIC REGULATIONS**

1. Code D ACFT or larger LDG RWY 01 require roll through and conduct 180 DEG turn on THR and backtrack to TWY A1 or D2. Code D ACFT or larger restricted to:

- TWY A1, A2, A3;
- TWY D2 and
- TWY K.

**2. LOCAL TRAFFIC****2.1 Booking Procedure**

- ACFT conducting AWK within TVL CTR and CTA including SVY, IAT, or circuit training must contact ATC for approval and slot time.
- For SVY, OPR are to email AWK maps to tvl.atc@defence.gov.au 7 working days before the planned activity, and prior to contacting ATC. For IAT and CTR OPS (including circuit area), OPR are to book using the online book AWK website: [www.qld.bookawk.com](http://www.qld.bookawk.com).
- OPR are to contact the following telephone numbers for SVY AWK confirmation, or if unable to book IAT or CTR AWK online:
  - CTA AWK (APP): 07 4752 1207.
  - CTA AWK (TWR): 07 4752 1205.
- For OPS within R751, R752, R736 and R739, OPR are to submit an air activity request to the range control officers by email to: [dotam.rangecontrol.tfta@defence.gov.au](mailto:dotam.rangecontrol.tfta@defence.gov.au) in addition to ATC approval.

**2.2 Training Airspace**

- Circuit Area.** All ACFT REQ circuit CLR shall CTC TL SMC to obtain SSR Code and airways CLR. TL Circuit Area defined as 5NM radius of TL ARP. Preferred circuit direction is as follows:
  - RWY 01** - Left hand CCTS, avoiding Cape Pallarenda built up areas;
  - RWY 07** - Left hand CCTS;
  - RWY 19** - Right hand CCTS, avoiding Cape Pallarenda built up areas; and
  - RWY 25** - Right hand CCTS

- 2.3 **TL North Eastern Training Area (NETA).** The TL NETA is an IFR training area, defined as TL 025-080 VOR radials, 10-30DME. Entry and exit gates are RWY dependant.
- When RWY 01 is in use:
    - Entry gate via KAGES.
    - Exit gate via REGIN.
  - When RWY 19 is in use:
    - Entry gate via REGIN.
    - Exit gate via KAGES.
- 2.4 **Townsville Field Training Area (TFTA).** MIL HEL regularly OPR WI the lateral boundaries of R736, R739, R751, R752 and D744 whilst the relevant airspace is not ACT. Suggest ACFT OPR in Class G airspace WI the boundaries of this airspace MNT FREQ 126.05 to ensure appropriate situational awareness is maintained with respect to MIL Class G OPS.
- 2.5 **Town Common.** The Town Common is defined as the area bounded by a line from the Radar Site (RDRS), to the Western airfield boundary fence, through the HF transmitter site to the Bohle River, along the Bohle River and the Coastline back to the RDRS. Town Common has the following sectors that may be used by ATC:
- Many Peaks.** The portion of the Town Common North of the Southern slopes of Many Peaks (MYP).
  - Town Common East.** The portion of Town Common East of the line running South from the Southern point of MYP and south of the southern slopes of MYP.
  - Town Common West.** The portion of Town Common West of the line running South from the Southern point of MYP and south of the southern slopes of MYP.
- 2.6 **Helo West.** Helo West is defined as an area within the following lateral limits: in a clockwise direction from the southern slopes of Many Peaks Range to the western edge of the Northern Ordinance Loading Areas (requirement to remain one mile west of the coast) to the NDB (remaining north west of the Navaid) to the HF TX site (remaining east of the facility) to the southern tip of Many Peaks Range (requirement to remain one mile east of the Bohle River). ACFT can expect clearance of Helo West, not ABV 1,000FT AMSL or requested level.
- 2.7 **D779 (Cape Cleveland).** Suggest ACFT OPR in D779 MNT FREQ 126.05 to ensure appropriate situational awareness is MNTN with respect to OPS in Class G Airspace WI the confines of the Danger Area. Tracking to/from D779 is RWY dependant.
- When RWY 01 is in use:
    - Outbound: via Coastal Southbound
    - Inbound: Townsville via Sunzinc, expect a clearance limit of 'The Lakes'
  - When RWY 19 is in use:
    - Outbound: via Sunzinc
    - Inbound: Townsville via the Coast, expect a clearance limit of Kissing Point.
- 2.8 **Nil Transponder Aircraft.** Nil transponder aircraft should expect clearance via a published VFR route not above 1,500FT AMSL. Prior ATC approval is required from ATC on 07 4752 1207.
- 2.9 **Parking**
- Civil Terminal**

All charter/itinerant ACFT with MTOW greater than 5,700KG PRKG requests must be made by contacting the Townsville Airport ARO on 0418 771 999 or email: aviation@tsvairport.com.au with MNM 48HR PN.
  - Visual Docking System**

Visual Docking System - Bay 1, 2, 3 and 4 - Combined azimuth and stopping nose in guidance system.
  - General Aviation**
    - Rotary wing ACFT must park in designated helicopter parking area unless approved by ARO. Air taxi east of AVGAS bowser prohibited. CTC ARO for approval if required.
    - No ACFT movement permitted east of designated wash bay aircraft parking area.
    - PRKG for itinerant ACFT with MTOW less than 5,700KG not permitted on leased PRKG positions. Leased PRKG positions identified by green borders painted inside PRKG clearance lines.
-

## FLIGHT PROCEDURES

1. **ATC TRAFFIC MANAGEMENT SPEED**  
When not on a SID or STAR (including vectoring) - non-fighter ACFT ARR or DEP TL must not exceed 250KT IAS when BLW 10,000FT AMSL. Advise ATC if a higher speed is operationally required. ARR Fighter ACFT must not exceed 350KT IAS when within 36NM of TL, unless otherwise directed by ATC.
2. No ATS provided to CIV ACFT WI R736, R739, R751 and R752 when ACT.
3. **DEPARTURES**
  - a. **General**
    - (i) Departures from the TL 138 to 195 VOR radial conflict with R768A and R768B. Expect requirement to either reach A020 (R768A) or A030 (R768A and R768B) by 6 DME, or lateral tracking that is plotted procedurally clear.
4. **ARRIVALS**
  - a. **General**
    - (i) Visual approaches from the TL 138 to 195 VOR radial conflict with R768A and R768B. Expect requirement to either maintain A020 (R768A) or A030 (R768A and R768B) until 6 DME, track via the LOC, or remain north or west of the Ross River from WPT RRDM.
  - b. **Military**
    - (i) **Jet aircraft.** MNM ALT 2,500FT AMSL at initial, descend 1,500FT AMSL for pitch, unless directed by ATC. MAX speed on initial 350KT, unless higher speed operationally required.
    - (ii) **Non-jet aircraft.** MNM ALT 1,500FT AMSL at initial, descend 1,000FT AMSL for pitch, unless directed by ATC.
5. **PALM ISLAND TRAFFIC**
  - a. In VMC, ACFT BLW 5,000KG MTOW can expect a coded 'CORDELIA' or 'RATTLESNAKE' clearance. The tracking requirements are:
    - (i) CORDELIA clearance outbound: YBTL - east of the Radar Site (RDRS) - east of Cordelia Rocks - YPAM.
    - (ii) CORDELIA clearance inbound: YPAM - east of Cordelia Rocks - east of RDRS - YBTL.
    - (iii) RATTLESNAKE clearance outbound: YBTL - mouth of the Bohle River (MBHR) - west of Rattlesnake Island (RKI) - YPAM.
    - (iv) RATTLESNAKE clearance inbound: YPAM - west of RKI - MBHR - YBTL.
  - b. Expect coded clearances dependent on duty RWY:
    - (i) RWY 01 and RWY 07 departure: CORDELIA coded clearance.
    - (ii) RWY 01 and RWY 07 arrival: RATTLESNAKE coded clearance.
    - (iii) RWY 19 and/or RWY 25 departure: RATTLESNAKE coded clearance.
    - (iv) RWY 19 and/or RWY 25 arrival: CORDELIA coded clearance.
  - c. In IMC, expect tracking as per flight plan with a suitable standard instrument departure and level.
  - d. When R747 is active, expect amended tracking.
6. **TRACKING INSTRUCTIONS FOR VFR ACFT TO AND FM TOWNSVILLE WHEN R736, R739, R751 and R752 ACT**
  - a. R736 and R739 only - TR S of Greenvale to YBU railway line.
  - b. R751 and/or R752 - TR N of Herveys Range Developmental Road.
  - c. R736, R739, R751 and R752 ACT SIMUL - TR S of Greenvale to YBU railway and N of Herveys Range Developmental Road BTN Paynes Lagoon and TNP.
  - d. Visual NAV LGT LCA at Paynes Lagoon (192730S 1460318E) and Speed Creek (192824S 1462030E).

7. **TRACKING INSTRUCTIONS FOR ACFT OPR D764**
- 7.1 A BLUEWATER clearance allows an aircraft to operate within the lateral confines of D764 not ABV cleared LVL. Aircraft should expect a BLUEWATER clearance via the applicable runway dependant tracking. When tracking via the coast to and from D764, aircraft must remain over land.
- a. When RWY 01 is in use:
    - (i) Outbound: BLUEWATER via the coast, not ABV 1,500FT AMSL.
    - (ii) Inbound: YBTL via Yabulu.
  - b. When RWY 19 is in use:
    - (i) Outbound: Yabulu DCT, not ABV 1,500FT AMSL.
    - (ii) Inbound: YBTL via the coast.
- 7.2 ACFT OPR D764 WI Class C Airspace must MNT FREQ 126.8 and when transiting BTN Class C and Class G Airspace should also MNT FREQ 126.7 to ensure appropriate situational awareness is MNTN with respect to OPS in Class G Airspace WI the confines of the Danger Area.
8. **AIRSPACE RECLASSIFICATION OUTSIDE TWR HR**
- a. Class C Airspace/CTA steps WI 36 DME TL BLW 8,500FT AMSL reclassified Class G.
  - b. TL TWR may recall the CTR/CTA steps at short notice. Check NOTAM and ATIS.
9. **LOW VISIBILITY OPERATIONS**
- a. RWY 01/19 is capable of supporting LDG with a RWY VIS of not less than 800M.
  - b. Manual RV readings are provided to the control TWR. Transmissometers are not installed.
10. **REMOTELY PILOTED AIRCRAFT SYSTEM (RPAS)**
- a. All RPAS requests are to be sent to: 452sqntvlflt.rpas@defence.gov.au.
  - b. A minimum of 3 business days PN is required. Approval is subject to timings, ATC workload and area of operations.
  - c. After approval, ATC reserve the right to restrict or cancel RPAS operations due to higher priorities.
  - d. Requests are to include:
    - (i) Operator details and contact instructions (primary and secondary phone, plus email).
    - (ii) Date and time (with alternate if applicable).
    - (iii) RPAS type, weight and brief description.
    - (iv) Area of operations, including LAT/LONG and/or street address including radius. Include a map screenshot if AVBL.
    - (v) Operating height (FT AGL) and elevation of AO.
    - (vi) Any specific operating conditions.
    - (vii) Procedures for abnormal operations (lost link, escaped RPAS, communication failure).
11. MIL ACFT may conduct OPS within 50NM of Townsville using Light Enhancement Devices and may not display external lighting. SFC-1,000FT AGL. Within the CTAF, when active, ACFT are to display external lighting on receipt of a CTAF broadcast from other ACFT.
12. Flight plans to/from YBTL must not be submitted more than 20 hours prior to EOBT to allow ATC system data processing.

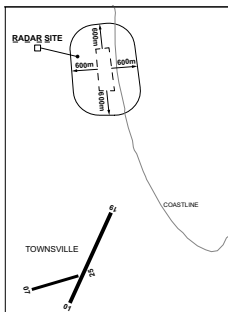
**CTAF - AFRU 118.3**

CTAF procedures apply outside TWR HR.

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## NOISE ABATEMENT PROCEDURES

1. ACFT DEP RWY 01 or RWY 07 on a visual DEP (including VFR) shall remain at least 600M CLR of Pallarenda built up areas when BLW A020 unless directed by ATC for OPR reasons.
2. This may be achieved as follows:
  - a. YBCS/YPAM DEP maintain upwind until over water then remain over water at least 600M CLR of Pallarenda.
  - b. W DEP conduct left turn remaining at least 600M S of Pallarenda or maintain upwind until over water then remain over water at least 600M CLR of Pallarenda and conduct left turn N of VFR WPT RDRS (radar site) or when ABV A020.
3. Practice ENG failures are not permitted on left crosswind RWY 01.



## ADDITIONAL INFORMATION

1. Bird and animal hazards at AD up to 3,000FT, with HIGH risk during DEC-MAY seasonal period at dawn and dusk (+/- 1 HR). Increased numbers of the following species are expected during the specified periods:
  - a. Magpie geese and various duck species pose a hazard in proximity to the RWY strip following rain events especially FM DEC-MAR.
  - b. Black kites are present year round but can be found in higher numbers FM FEB-MAY when they may be attracted to the airfield during mowing OPS.
  - c. Bush-stone curlews pose a bird strike risk on the airfield during the night.
  - d. Flying foxes are a seasonal risk at dawn and dusk on the approaches to the RWY (on and off airfield). Peak risk period is AUG-DEC although potential risk exists year round.
  - e. Nankeen kestrels are present in higher numbers for DEC-MAY.
 For current information refer to NOTAMs and TAPL Bird Watch Reports.
2. RAAF Townsville Demolition Range 191454.2S 1464508.0E (261/0.74 NM FM Townsville ARP). Vertical Limit 1,600FT AGL WI 370M radius laterally. Check NOTAM for activation.
3. New ATC TWR construction 310M N of current TWR. New ATC TWR not CMSD, observe old TWR for light signals.

## CHARTS RELATED TO THE AERODROME

1. WAC 3219.
2. MIL AD Obstruction Chart Type A: RWY 01/19 and RWY 07/25 - FEB 2024.
3. Also refer to AIP Departure and Approach Procedures.

TOWRANG GLIDING

ELEV 2045

FULL NOTAM SERVICE NOT AVBL

NSW

UTC +10

YTWG

344127S

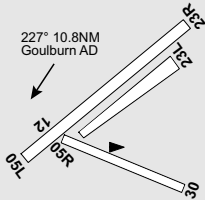
1495317E

VAR 12 DEG E

UNCR

AD OPR Southern Tablelands Gliding Club Inc, 12 Verdon St O'Connor, ACT, 2602.

PH 0418 670 291.



REMARKS

Private property. PPR. PH 0418 670 291.

ATS AND AERODROME COMMUNICATION FACILITIES

|     |                  |            |
|-----|------------------|------------|
| FIA | MELBOURNE CENTRE | 121.2 to E |
| FIA | MELBOURNE CENTRE | 124.1 to W |

FLIGHT PROCEDURES

- 1. ACFT transiting to or from Goulburn AD (YGLB) should BCST and MNT CTAF when in vicinity of Goulburn and Towrang Gliding aerodromes.
- 2. Other ACFT should BCST and MNT 127.15 when in the vicinity of Towrang Gliding.
- 3. RH CCTS RQ RWY 23.
- 4. RWY 30 not AVBL for landing.

CTAF 127.15

ADDITIONAL INFORMATION

- 1. Powerlines to the south east.
- 2. Electric fence across RWY 12/30.
- 3. Trees on approaches to RWY 05/23.
- 4. Wind shear in westerly winds.
- 5. Grazing stock may be on the AD.
- 6. Gliding OPS HJ launched by winch, cable up to 4,500FT in length.

CHARTS RELATED TO THE AERODROME

WAC 3456 and 3457.

TREPELL

ELEV 891

AVFAX CODE 4319

QLD

UTC +10

YTEE

215006S

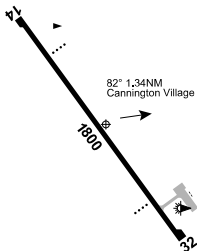
1405317E

VAR 6 DEG E

CERT

AD OPR South32 Cannington, PO Box 5874, Townsville, QLD, 4810.

PH AD Manager 0407 032 488 or 07 4747 4300. ARO on Duty 0439 760 954.



REMARKS

Restricted OPS. PPR for all OPS.

AERODROME OBSTACLES

Lit mast 1,208FT AMSL, bearing 074DEG M, 0.7NM from ARP.

METEOROLOGICAL INFORMATION PROVIDED

- 1. TAF CAT C, METAR/SPECI.
- 2. AWIS PH 07 3564 3744 - Report faults to BoM.
- 3. AWIS FREQ 135.55 - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

14/32 138 59a PCN 10 /F /D /1050 (152PSI) /U

WID 30 RWS 150

**AERODROME AND APPROACH LIGHTING**

RWY 14/32 LIRL

SDBY PWR AVBL

RWY 14/32 PTBL(2)

BY PRIOR ARRANGEMENT

RWY 14 PAPI(1)

3.0 DEG46FT

SDBY PWR AVBL

RWY 32 PAPI(1)

3.0 DEG54FT

SDBY PWR AVBL

(1) Left side only

(2) EMERG only. 90MIN PN.

RWY edge light spacing: 14/32: 60M.

**OTHER LIGHTING**

1. SDBY PWR switchover time requires 1 HR PN - CTC ARO.

2. TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

123.95 3500FT

**LOCAL TRAFFIC REGULATIONS**

MAX radius turns required for ACFT on RWY 14/32 THR.

**FLIGHT PROCEDURES**

1. Right hand circuits required for RWY 14.

2. All pilots are required to BCST their intentions inbound on company FREQ 126.4.

3. All pilots without PPR are required to refrain FM overflying the mine site.

**CTAF - AFRU** 126.7**CHARTS RELATED TO THE AERODROME**

1. WAC 3233.

2. Also refer to AIP Departure and Approach Procedures.

**TROPICANA****ELEV 1104****AVFAX CODE 6403**

WA

UTC +8

YTRA

291112S

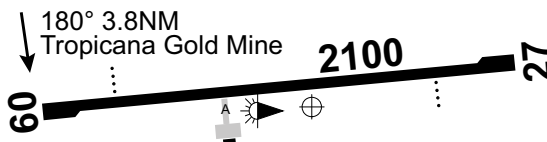
1243301E

VAR 2 DEG E

CERT

AD OPR Anglogold Ashanti Australia Ltd - GPO Box B91, Perth, WA, 6838. PH 08 9265 2000:

AD Manager 08 9265 2300, 08 9265 2345. ARO 08 9265 2321, 0409 310 718.

**REMARKS**

1. Restricted OPS. PPR from AD OPR.

2. PRI source of PWR is derived from a generator.

**HANDLING SERVICES AND FACILITIES**

JET A1 private installation. AVBL to routine, scheduled and emergency service flights only.

**APRONS AND TAXIWAYS**

TWY A: PCN 25, sealed, WID 15M.

**AERODROME OBSTACLES**

1. Lit mast 1,464FT BRG 230DEG 4,414M FM ARP.

2. Lit weather station tower 33FT AGL PSN 291113.00S 1243301.00E 105M south of RWY centre line infringes transitional SFC.

WID 30      RWS 90



**AERODROME AND APPROACH LIGHTING**

RWY 14/32 LIRL(1)

(1) EMERG only.

RWY end lighting marks the extremities of the RWY strip.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

120.75 FL400

**LOCAL TRAFFIC REGULATIONS**

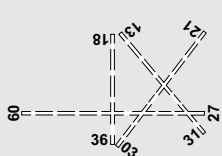
ACFT PRKG will be on the concrete APN unless advised otherwise on arrival.

**CTAF** 128.0**ADDITIONAL INFORMATION**

Significant bird hazard present at all times. Seagulls, terns and assorted migratory seabirds may be present on all areas of the RWY at any time of day. Significant increase in bird activity FM late afternoon to early morning.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3108.
2. Also refer to AIP Departure & Approach Procedures.

**TRURO FLAT AIRPARK****ELEV 220****FULL NOTAM SERVICE NOT AVBL**

SA

342343S

1392300E

UTC +9:30

VAR 8 DEG E

YTFA

UNCR

AD OPR Barossa Birdmen Inc, c/o, 253 Schilling Rd, Annadale, SA, 5356.  
PO Box 45, Truro SA, 5356. ARO 0474 767 807.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE

125.3

UNICOM TRURO FLAT AIRPARK

126.7 (1)

UNICOM

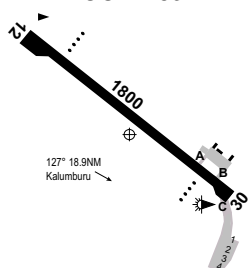
(1) CS "Truro Flats".

**CTAF** 126.7**ADDITIONAL INFORMATION**

1. Beware of kangaroos at dusk and dawn.
2. Powered parachutes without radios frequently use this ALA.
3. First SAT of each month is Club flying day.
4. Be aware of the possibility of wombat holes at edges of RWY and on TWY.

**CHARTS RELATED TO THE AERODROME**

WAC 3458.

**TRUSCOTT-MUNGALALU****ELEV 180****AVFAX CODE 6914**

WA

140523S

1262251E

UTC +8

VAR 2 DEG E

YTST

CERT

AD OPR North Kimberley Airport Pty Ltd, PO Box 1795, Palmerston, NT, 0831. Email: general.manager@nkairport.com.au.  
ARO H24 08 9161 4004.

**REMARKS**

PPR.

**HANDLING SERVICES AND FACILITIES**

AVGAS, JET A1. Limited supply, PPR CTC AD OPR.

PASSENGER FACILITIES

WC/AC by prior arrangement.

AERODROME OBSTACLES

Wind indicators:

- a. Primary Illuminated 207FT AMSL BRG 124 MAG 0.4NM FM ARP.
- b. Secondary 176FT AMSL BRG 319 MAG 0.59NM FM ARP.

METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT C, METAR/SPECI.
2. AWIS FREQ 135.6 - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

12/3012659aPCN 5 /F /A /730 (106PSI) /U

WID 30RWS 90

AERODROME AND APPROACH LIGHTING

RWY 12/30LIRLAFRU+PAL 128.0SDBY PWR AVBL

RWY 12/30PAPI(2)AFRU+PAL 128.03.0 DEG39FTSDBY PWR AVBL

RWY 12/30PTBL(1)BY PRIOR ARRANGEMENT

(1)1HR PN

(2)Left side.

OTHER LIGHTING

TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

BRISBANE CENTRE

120.75 FL330

LOCAL TRAFFIC REGULATIONS

1. On landing, roll through and use turning nodes at end of RWY. Do not turn on RWY.
2. South east apron maximum wingspan 20M for Bays 3 and 4.

CTAF - AFRU 128.0

ADDITIONAL INFORMATION

1. Model ACFT ACT WI 300M RAD of RWY 12/30 up to 400FT AGL. OPR will monitor CTAF and vacate RWY if ACFT APCH or DEP. PH AD OPR.
2. Bird and animal hazard exists.
3. RWS may be degraded due to erosion and soft soil DRG the period OCT to MAY.

CHARTS RELATED TO THE AERODROME

1. WAC 3108.
2. Also refer to AIP Departure and Approach Procedures.

TULLY

ELEV 47

FULL NOTAM SERVICE NOT AVBL

8L

36

QLD

175610S1455616E

UTC +10

VAR 7 DEG E

AD OPR Cassowary Coast Regional Council, PO Box 887, Innisfail, QLD, 4860.

PH 07 4030 2222. PH AH 1300 763 903.

YTUY

UNCR

REMARKS

PPR.

PASSENGER FACILITIES

TX 131 008, PT Tully township 1NM west of AD, mobile phone coverage at AD.

PHYSICAL CHARACTERISTICS

18/3631aUnrated. Sealed. RWY LEN 938M.

WID 9RWS 30

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

BRISBANE CENTRE

124.6 Circuit Area

CTAF 132.9

ADDITIONAL INFORMATION

Beware of large cassowary birds.

CHARTS RELATED TO THE AERODROME

WAC 3219.

TULLY HOSPITAL

ELEV 108

AVFAX CODE 4537

FULL NOTAM SERVICE NOT AVBL

QLD

UTC +10

YXTU

175537S

1455524E

VAR 7 DEG E

UNCR

AD OPR Tully Hospital, 17 Bryant St, Tully, QLD, 4854. Email: steven.davies@health.qld.gov.au.  
PH Nurse Manager 07 4068 4144 H24.

REMARKS

Private use.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA BRISBANE CENTRE

124.6

CTAF 132.9

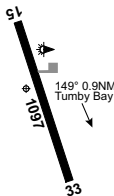
CHARTS RELATED TO THE AERODROME

- 1. WAC 3219.
- 2. Also refer to AIP Departure and Approach Procedures.

TUMBY BAY

ELEV 32

AVFAX CODE 5009



SA

UTC +9:30

YTBB

342140S

1360542E

VAR 7 DEG E

CERT

AD OPR District Council of Tumbay Bay, PO Box 61, Tumbay Bay, SA, 5605.

ARO BH 8688 2101: AH 0427 882 074. Council PH 08 8688 2101.

Fax 08 8688 2639.

PHYSICAL CHARACTERISTICS

15/33 154 36a PCN 4 /F /C /700 (102PSI) /U

WID 18 RWS 90

AERODROME AND APPROACH LIGHTING

RWY lighting EMERG only by prior arrangement.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA MELBOURNE CENTRE

125.9 On Ground

CTAF - AFRU 128.0

CHARTS RELATED TO THE AERODROME

- 1. WAC 3459.
- 2. Also refer to AIP Departure & Approach Procedures.

TUMUT

ELEV 863

AVFAX CODE 2107



NSW

UTC +10

YTMU

351546S

1481427E

VAR 12 DEG E

CERT

AD OPR Snowy Valleys Council, 76 Capper Street, Tumut, NSW, 2720. ARO 0429 814 400: 0477 779 266. ARO AH 0427 470 555. Council PH 1300 275 782.

REMARKS

- 1. ACFT PRKG fees apply, see council fees and charges schedule.
- 2. AD not AVBL to ACFT ABV 5,700KG MTOW.

HANDLING SERVICES AND FACILITIES

Skyfuel: AVGAS and JET A1, H24 self service bowsters accepts MC, V and Skyfuel carnet card.  
Phone 0418 862 100 or 0417 780 280. Refer to [www.skyfuel.com.au](http://www.skyfuel.com.au) for site information and orientation.

PASSENGER FACILITIES

Telephone facilities not AVBL. Mobile phone coverage AVBL.

AERODROME OBSTACLES

1. Tree 923FT AMSL, BRG 165 DEG MAG 1,241M FM ARP, infringes transitional SFC.
2. Lit mast 1,354FT AMSL BRG 158 DEG MAG 3,381M FM ARP, infringes inner HZS.

PHYSICAL CHARACTERISTICS

17/3517035a5700/580 (84PSI) Unrated. Sealed

WID 18RWS 90

AERODROME AND APPROACH LIGHTING

RWY lighting manual switching AVBL for EMERG OPS only. CTC ARO prior to DEP for YTMU to arrange for lights to be switched on.

ATS AND AERODROME COMMUNICATION FACILITIES

FIAMELBOURNE CENTRE

119.5 Circuit Area

LOCAL TRAFFIC REGULATIONS

SE RWY shoulder FM TWY not AVBL for ACFT landing or TKOF.

CTAF 126.7

NOISE ABATEMENT PROCEDURES

Pilots are encouraged to adopt fly neighbourly procedures that are designed to minimise the effects of ACFT noise on rural, residential and populous areas.

ADDITIONAL INFORMATION

Hang gliders operate HJ at AD and WI 5NM, BLW 5,000FT AMSL. Ground base radio monitors CTAF during hang gliding OPS.

CHARTS RELATED TO THE AERODROME

1. WAC 3456, 3457.
2. Also refer to AIP Departure and Approach Procedures.

TURTLE PARK

ELEV 120

FULL NOTAM SERVICE NOT AVBL



QLD

211230S1485842E

UTC +10

VAR 8 DEG E

YTPK

UNCR

AD OPR Airwolf Aviation, 171 Tedfords Road, Victoria Plains, 4751. PH 07 4954 4003. Mobile 0419 026 612.

REMARKS

PPR - Airwolf Aviation PH 07 4954 4003 or 0419 026 612.

PASSENGER FACILITIES

ME, fuel, parking and transport AVBL on REQ.

PHYSICAL CHARACTERISTICS

09/2741cUnrated. Grass. RWY LEN 1,250M. RWY 27WID 60

DTHR 250M.

ATS AND AERODROME COMMUNICATION FACILITIES

FIABRISBANE CENTRE

135.5

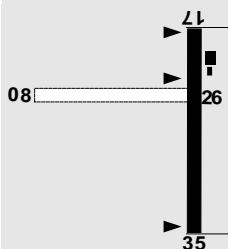
CTAF 132.05

ADDITIONAL INFORMATION

AD located inside Kinchant Broadcast area.

CHARTS RELATED TO THE AERODROME

WAC 3234, 3235.

**TYABB****ELEV 88****FULL NOTAM SERVICE NOT AVBL**

VIC

381600S

1451030E

UTC +10

VAR 12 DEG E

YTYA

UNCR

AD OPR Peninsula Aero Club, Stuart Road, Tyabb, VIC, 3913.

Email: pac@pac.asn.au. PH 03 5977 4406;

AH EMERG only 0415 563 274 or 0413 605 937. Fax 03 5977 4874.

Website: www.pac.asn.au.

**REMARKS**

1. PPR FM PAC Flight OPS for:
  - a. all visiting ACFT including ACFT conducting CCTS.
  - b. arranging PRKG, due to limited space.
2. AD charges: refer to website.

**HANDLING SERVICES AND FACILITIES**

Fuel supplied by IOR Aviation Pty Ltd. JET A1 and AVGAS 100LL AVBL H24 self-serve bowser.

Payment method via IOR Aviation tag for account holders or via the Fuelcharge APP.

PH 1300 457 467.

**PHYSICAL CHARACTERISTICS**

RWY 17/35 1,000M. Unrated Sealed with grass shoulders.

RWY 08/26 600M. Unrated Grass

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE

135.7 Circuit Area

UNICOM TYABB UNICOM

128.0 (1)

- (1) OPR: Peninsula Aero Club, HR 0900-1700 Local. Permission to OPR is not AVBL on UNICOM. UNICOM occasionally not manned.

**LOCAL TRAFFIC REGULATIONS**

1. TAX IFR ACFT can CTC MELBOURNE CENTRE 123.35.
2. Use RWY 08 and 26 only when operationally RQ.
3. Night circuit training is not permitted for visiting ACFT.
4. Piston engine helicopters are to land and shut down on the TWY and be pushed to and from the AVGAS bowser. Wheels are supplied for Robinson helicopters from flight OPS.

**FLIGHT PROCEDURES**

1. Right hand circuit RQ on RWY 35 and 08.
2. Pilots are reminded to avoid low approaches to RWY 17 due to proximity to Mornington-Tyabb Rd.

**CTAF - AFRU 128.0****NOISE ABATEMENT PROCEDURES**

1. Overflight of Tyabb, Somerville and Hastings townships below 2,000FT AMSL should be avoided unless operationally required.
2. ACFT joining and operating in the circuit should minimise flight over Tyabb township.
3. Rotary wing aircraft:
  - a. Rotary wing aircraft are requested to vary arrival and departure tracks;
  - b. CCTS to WEST of airport at 800FT AMSL but should remain EAST of Boes Road;
  - c. Helicopters may conduct CCTS to EAST of airport at 1,100FT AMSL.
4. The full noise abatement procedures can be found at <http://pac.asn.au/fly-neighbourly>.

**ADDITIONAL INFORMATION**Local weather can be viewed at [www.pac.asn.au](http://www.pac.asn.au).**CHARTS RELATED TO THE AERODROME**

WAC 3469, 3470.

**ELEV 10**

NSW UTC +10 YTYH  
283541S 1533304E VAR 12 DEG E UNCR  
AD OPR Byron Shire Council, Works Depot, Bayshore Drive, Byron Bay,  
NSW, 2481. Email: [council@byron.nsw.gov.au](mailto:council@byron.nsw.gov.au). PH 02 6685 9300.  
Website: [www.byron.nsw.gov.au](http://www.byron.nsw.gov.au).

AD charges apply (pay station located NW of PRKG area).  
Refer to website for current fees and charges.

The transitional slopes and APCH and TKOF areas on both sides of and at both ends of the RWY are infringed by trees.

|       |     |                                               |
|-------|-----|-----------------------------------------------|
| 05/23 | 31c | Unrated. Grass and sand. RWY LEN 950M. WID 10 |
|-------|-----|-----------------------------------------------|

|     |                 |                    |
|-----|-----------------|--------------------|
| FIA | BRISBANE CENTRE | 119.5 Circuit Area |
|-----|-----------------|--------------------|

CTAF 127.55

1. Gliding OPS HJ.
2. Ultralights, Microlights, GA.
3. Frequent Parachute OPS from FL140.
4. RWY surface condition varies and is not consistent.
5. RWY may be closed after rain.
6. Wildlife frequently OBS within RWS, pilots take precaution.
7. Birds in VCY.
8. Manned balloon ACT including launching and landing occur on private land ADJ to YTYH Airfield.
9. Refer to website for detailed ALA INFO (type Tyagarah in search bar). All ACFT are REQ to make themselves familiar with YTYH Fly Neighbourly Procedure and, subject to OPR and Safety considerations, to comply with preferred circuit direction.

WAC 3357.

**UNDARA****ELEV 2450****FULL NOTAM SERVICE NOT AVBL**

QLD

181130S

1443648E

UTC +10

VAR 7 DEG E

YUDA

UNCR

AD OPR Undara Lava Lodge, Mount Surprise, QLD, 4871.

Email: res@undara.com.au. PH 07 4097 1411.

Website: http://www.undara.com.au.

**AERODROME OBSTACLES**

RWY 11 DTHR 140M due trees, RWY 29 DTHR 1,040M due hill.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

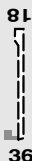
124.6

**CTAF** 126.7**ADDITIONAL INFORMATION**

1. Beware of trees and fences.
2. Swamp at W end of strip.
3. AD slopes down to W.

**CHARTS RELATED TO THE AERODROME**

WAC 3219.

**URANDANGI****ELEV 584****AVFAX CODE 4304****FULL NOTAM SERVICE NOT AVBL**

QLD

213540S

1382156E

UTC +10

VAR 6 DEG E

YUDG

UNCR

AD OPR Boulia Shire Council, Herbert Street, Boulia, QLD, 4829. PH 07 4746 3188.

**AERODROME AND APPROACH LIGHTING**

LGT comes on automatically in HR of darkness.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

122.4 6000FT

**CTAF** 126.7**ADDITIONAL INFORMATION**

Bird and animal hazard exists.

**CHARTS RELATED TO THE AERODROME**

WAC 3233.

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**VAN ROOK STATION**

QLD

165744S

1415709E

AD OPR Gulf Coast Agricultural Company Pty Ltd, PMB 8, Cairns MC, QLD, 4870.  
Email: [contact@gulfcoast.com.au](mailto:contact@gulfcoast.com.au). PH 07 4745 3463. Website: [www.gulfcoast.com.au](http://www.gulfcoast.com.au).

**REMARKS**

1.

AD charges: All ACFT.

2.

PPR.

**HANDLING SERVICES AND FACILITIES**

AVGAS and JET A1.

**AERODROME OBSTACLES**

1.

RWY 33: Unlit mast 83FT AMSL.

2.

Telstra phone TWR near homestead.

**PHYSICAL CHARACTERISTICS**

RWY 15/33 1,200M. WID 18M.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA

BRISBANE CENTRE

118.6 2000FT

**CTAF**

126.7

**ADDITIONAL INFORMATION**

Wallabies on strip around dawn and dusk.

**CHARTS RELATED TO THE AERODROME**

WAC 3220.

**VICTOR ISLAND EAST**

**AVFAX CODE 4407**

QLD

211517S

1492512E

AD OPR Auriga Group, 14 Argyle St, Albion, QLD, 4010. Email: [nick.plenty@auriga.com.au](mailto:nick.plenty@auriga.com.au).  
ARO 0436 316 986.

**REMARKS**

1.

PPR.

2.

Private use.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA

BRISBANE CENTRE

135.5

APP

CORAL APPROACH (MK)

125.65

ATIS

MACKAY

112.7 128.0

**CTAF**

124.5

**CHARTS RELATED TO THE AERODROME**

1.

WAC 3235, 3234.

2.

Also refer to AIP Departure and Approach Procedures.

VICTOR ISLAND WEST

AVFAX CODE 4415

FULL NOTAM SERVICE NOT AVBL

QLD  
211746S  
AD OPR Auriga Group, 14 Argyle St, Albion, QLD, 4010. Email: nick.plenty@auriga.com.au.  
ARO 0436 316 986.

1492134E  
VAR 8 DEG E

UTC +10  
YVIW  
UNCR

REMARKS

1. PPR.
2. Private use.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA  
APP  
ATIS

BRISBANE CENTRE  
CORAL APPROACH (MK)  
MACKAY

135.5  
125.65  
112.7 128.0

CTAF 124.5

ADDITIONAL INFORMATION

Approach for HEL marine pilot transfer.

CHARTS RELATED TO THE AERODROME

1. WAC 3234, 3235.
2. Also refer to AIP Departure and Approach Procedures.

VICTORIA RIVER DOWNS

ELEV 291

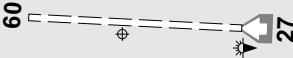
AVFAX CODE 8005

FULL NOTAM SERVICE NOT AVBL

NT  
162413S  
AD OPR Heytesbury Cattle Company, Victoria River Downs, PMB 19, via Katherine, NT, 0852.  
PH 08 8975 0795. ARO 08 8975 0777 (Heli-Muster NT).

1310009E  
VAR 3 DEG E

UTC +9:30  
YVRD  
UNCR



REMARKS

1. This AD is a Security Controlled Airport.
2. Landing charges apply.

HANDLING SERVICES AND FACILITIES

AVGAS not AVBL NOV - APR. AVBL only by PN MAY - OCT. PRKG/refuelling - Stop ACFT next to bowser with ACFT facing East.

METEOROLOGICAL INFORMATION PROVIDED

1. METAR/SPECI.
2. AWIS PH 08 7922 2515 - Report faults to BoM.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

BRISBANE CENTRE

122.6 FL150

CTAF 126.7

ADDITIONAL INFORMATION

Blowing dust over station complex is prohibited.

CHARTS RELATED TO THE AERODROME

WAC 3222.

**WAGGA WAGGA****ELEV 724****AVFAX CODE 2131**

NSW

UTC +10

YSWG

350955S

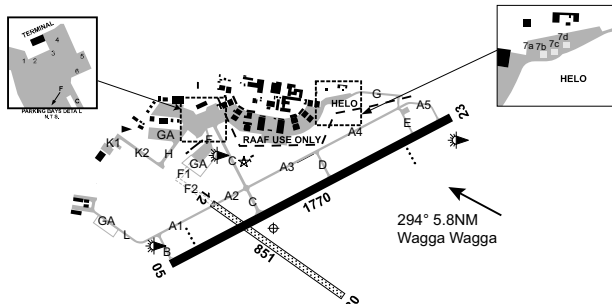
1472759E

VAR 12 DEG E

CERT

AD OPR Wagga Wagga City Council, PO Box 20, Wagga Wagga, NSW, 2650.

PH Airport Operations Manager 02 6926 9267 MOB 0408 638 801. ARO 02 6938 3161:

0417 658 953: 0409 771 895: Fax 6938 3146. Website: [www.wagga.nsw.gov.au](http://www.wagga.nsw.gov.au).**REMARKS**

1. AD Charges: Refer to website (Council/Fees and Charges).
2. Pavement concessions directed to Wagga Wagga City Council as required.
3. This AD is a Security Controlled Airport. All pilots and operators must possess and display a current Aviation Security Identification Card (ASIC) when airborne.
4. The wearing of high visibility clothing is mandatory except for escorted PAX.
5. GA pilots use gate 3, 80M west of terminal. No access to terminal via Scheduled Air Transport Operations (SATO) APN.
6. ACFT PRKG 0417 658 953.
7. GA pedestrians do not cross SATO APN. Access/egress terminal via gate 3 only, west SATO Bay 1.

**8. SUPPLEMENTARY MILITARY NOTICES**

- a. All transient military aircraft must submit one of the following request forms in the first instance:
  - (i) a Short Term Transit Request (STTR) for visits/transits less than 48HR in duration.  
The STTR form can be found here:  
<http://collab/raaf/hqcsq/SitePages/STTR.aspx>.  
For concerns regarding STTR, contact Wagga ABCP on 02 6937 5888
  - (ii) a Combat Support Request (CSR) for visits/transits 48HR, or more, in duration.  
The CSR webpage can be found here:  
<http://caas/Areas/RAAF/csr/SitePages/CSR%20Home.aspx>.  
For concerns regarding CSR, email HQ 96WG OPS PLANS:  
[amb96wg.opsplans@defence.gov.au](mailto:amb96wg.opsplans@defence.gov.au).
- b. Civilian aircraft requesting use of the Wagga military tarmac must obtain permission via contacts outlined in para a.
- c. Nil duty crew or air movements capability.
- d. Nil Local MIL SAR AVBL.
- e. All MIL ACFT PRKG is subject to security controls relating to CIV terminal OPS.
- f. For physical access to RAAF Base Wagga all enquiries to Wagga ABCP on 02 6937 5888 or email: [wag.abcp@defence.gov.au](mailto:wag.abcp@defence.gov.au), or out of hours on 0417 678 503.

**HANDLING SERVICES AND FACILITIES**

World Fuel Services: JET A1 tanker refueller, AVGAS tanker refueller and 24HR AVGAS bowser. WFS carnet card, V and MC via Compac Pay smartphone APP. Staffed 0800-1700 Local MON-FRI and 0800-1200 Local SAT/SUN. 24HR Duty Refueller PH: 0429 460 728.

Email: [waggaaviationfuels@gmail.com](mailto:waggaaviationfuels@gmail.com).

FBO Service contact Wagga Air Centre 0900-1700 Local, Phone 02 6922 7122, AH 0427 227 122,

Email: [admin@waggaaircentre.com](mailto:admin@waggaaircentre.com)

RESCUE AND FIREFIGHTING SERVICES

CAT 4 AVBL H24 for MIL and Civil. Fire Watchroom Phone 02 6937 4324, EMERG 02 6937 4333.

SURFACE MOVEMENT GUIDANCE

MIL HEL lanes marked with white gables S of RWY 05 and W of RWY 30.

AERODROME OBSTACLES

1.

Tower 1,992FT AMSL BRG 020 DEG MAG 8NM FM ARP.
2.

Tall structure erected 190FT AGL BRG 302 DEG MAG 9,900M FM ARP (and BRG 104 DEG MAG 1,700M FM EMERG HEL pad ADJ base hospital).
3.

Lit boundary fence (HN) 10FT AGL BRG 045 DEG MAG 1,300M FM ARP. Infringes into APCH surface RWY 23.
4.

MIOL - communications mast 160FT AGL BRG 091 DEG MAG 5,715M FM ARP. Infringes OLS by 126FT.
5.

Glide path antenna (lit with red LGT) 45FT AGL BRG 064 DEG MAG 881M FM ARP. Infringes RWY 05/23 transitional surface flyover area of the RWY strip.
6.

Illuminated WDI lit with red LGT:

a.

26FT AGL BRG 062 DEG MAG 1,132M FM ARP, ADJ to RWY 23 THR. Infringes the flyover area of the RWY strip.

b.

26FT AGL BRG 262 DEG MAG 670M FM ARP, ADJ to RWY 05 THR. Infringes the flyover area of the RWY strip.
7.

Poles:

a.

60FT AGL BRG 058 DEG MAG 5,086M FM ARP. Infringes OLS by 4FT.

b.

60FT AGL BRG 055 DEG MAG 5,069M FM ARP. Infringes OLS by 5FT.

c.

60FT AGL BRG 057 DEG MAG 5,932M FM ARP. Infringes OLS by 18FT.

METEOROLOGICAL INFORMATION PROVIDED

1.

TAF CAT B, METAR/SPECI. AD WRNG.
2.

AWIS Phone 02 9353 6455 - Report faults to BoM.
3.

AWIS FREQ 115.0, 221 - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

|       |     |     |                                    |        |         |
|-------|-----|-----|------------------------------------|--------|---------|
| 05/23 | 050 | 58a | PCN 20 /F /C /1400 (203PSI) /T     | WID 45 | RWS 150 |
| 12/30 | 114 | 28c | 5700/630 (91PSI) Grassed red clay. | WID 18 | RWS 90  |

AERODROME AND APPROACH LIGHTING

|           |              |                 |                           |
|-----------|--------------|-----------------|---------------------------|
| RWY 05/23 | LIRL(1)      | AFRU+PAL 126.95 | SDBY PWR AVBL             |
| RWY 05/23 | PAPI(2)      | AFRU+PAL 126.95 | 3.0 DEG51FT SDBY PWR AVBL |
| RWY 12/30 | PTBL         |                 | BY PRIOR ARRANGEMENT      |
| (1)       | Not AVBL HJ. |                 |                           |
| (2)       | Left side.   |                 |                           |

RWY edge light spacing: 05/23: 60M.

OTHER LIGHTING

ABN                    ALTN 8 WG

1.

Secondary PWR switchover time: 15 SEC for the following services:

a.

Essential Obstacle Lights

b.

Essential Taxiway Lights

c.

Essential Runway Edge Lights

d.

Runway End Lights

e.

Precision Approach Path Indicators

f.

Primary Wind Indicator
2.

No runway centreline lights are provided.
3.

TWY LGT: Blue edge on C.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA                    MELBOURNE CENTRE                    119.5 On Ground

**RADIO NAVIGATION AND LANDING AIDS**

|     |                     |                    |           |            |                  |
|-----|---------------------|--------------------|-----------|------------|------------------|
| DME | IWG                 | 111.1/ 48X (RWY23) | 350942.7S | 1472831.0E | (2)              |
| GP  | IWG                 | 331.7 (RWY23)      | 350942.4S | 1472830.9E |                  |
| ILS | IWG                 | 111.1 (RWY23)      | 351004.2S | 1472730.1E |                  |
| LOC | IWG                 | 111.1 (RWY23)      | 351004.2S | 1472730.1E |                  |
| DME | WG                  | 115.0/ 97X         | 350956.6S | 1472808.2E | (1)              |
| NDB | WG                  | 221                | 350946.9S | 1472720.1E | Range 80 (HN 80) |
| VOR | WG                  | 115.0              | 350956.7S | 1472808.7E |                  |
| (1) | Antenna ELEV 738FT. |                    |           |            |                  |
| (2) | Antenna ELEV 717FT. |                    |           |            |                  |

**LOCAL TRAFFIC REGULATIONS**

- MIL tarmac space restrictions apply, this may necessitate larger ACFT having to reverse into nominated PRKG area.
- TWY A and TWY B AVBL to all code C ACFT with a MAX ACN of 20.
- TWY G only AVBL to MIL ACFT via TWY A and E only.
- TWY D, E and L not AVBL to ACFT ABV 5,700KG.
- Parking on the SATO APN Bays 1-4 is restricted to SATO ACFT or ACFT approved by the AD manager or his delegate. No other ACFT may park on the SATO APN other than for picking up or setting down of passengers between SATO OPS.
- Parking Bay 5 restricted to Air Ambulance ACFT only.
- Parking Bay 6 restricted to MIL ACFT or ACFT approved by AD manager or his delegate.
- Bay 5 and 6 not AVBL for SATO OPS and PAX MOV during HRS of darkness.
- STD wing tip CLR for Code C and Code D ACFT NOT AVBL along taxi route BTN TWY C and TWY H. During such movements, Aircraft operators of aircraft with a wingspan greater than 28M are to advise Airport Management of their intended movements on this aerodrome: aircraft type, date and time of intended movement. Before entering the SATO APN, ACFT are to call Aerodrome Operations (Safety 1) on CTAF (126.95) and hold on TWY C or H until Safety 1 is on site to provide wingtip clearance assistance.
- Light ACFT at THR of RWY 23 not visible to other ACFT on the ground using RWY 05. Radio black spots may result under some conditions.

**FLIGHT PROCEDURES**

- FM the THR of RWY 12, TFC on short final and on the ground near the THR of RWY 23 can be hidden FM view, depending on ACFT size and flight path.
- Low Visibility Operations with an RV of less than 800M not permitted. CTC Duty ARO (ARO on CTAF for RV.
- Night operations limited to lit aprons, lit taxiways and lit runways only

**CTAF - AFRU 126.95**

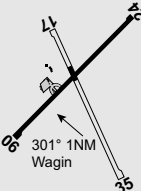
In the event of an EMERG, ACFT are to declare the EMERG on the area FREQ. When WI 20NM of Wagga AD, ACFT may advise details to RFFS, callsign "Base Fire" on 126.95

**ADDITIONAL INFORMATION**

- Bird hazard exists. Galahs common FM AUG-FEB.
- OLS immediately S of AD infringed by hills and marked by 8 low intensity OBS lights HN.
- Recruit training ACT takes place H24 MON-FRI, 0.5NM S of THR RWY 30. ACT is outside airfield perimeter and involves use of blank ammunition by day and NGT. No live firing or projectiles will be used. Further details can be obtained from ABCP 02 6937 5888 JO.
- Model ACFT flying will take place WI 1000M RAD of 351112.00S 1471624.00E (APRX 10NM W of Wagga AD). SFC-1,000FT AGL and at Mt Coreinbob, 351648.00S 1473330.00E (APRX 8NM SE of Wagga AD).
- Model ACFT OPR WI 1,000M of PSN 351024.00S 1471624.00E BRG 254 MAG 9.7NM FM Wagga Wagga AD (YSWG) SFC-2,000FT.
- Weather balloon launch APRX 2315 UTC FM 1.1KM NW ARP. Launches may occur at other times.
- Flight training activity operating within 270DEG to 030DEG FM YSWG up to 30NM.
- MIL ACFT utilising TWY G are to use caution due to a fence paralleling the TWY to the N that encroaches obstacle clearance limits to a closest point of approach distance of 9M.

CHARTS RELATED TO THE AERODROME

1. WAC 3456, 3457.
2. Also refer to AIP Departure and Approach Procedures.



WAGIN

WA

331859S                      1172137E

AD OPR Shire of Wagin, 2 Arthur Road Wagin, WA, 6315.

Email: shire@wagin.wa.gov.au. PH 08 9861 1177.

ELEV 836

FULL NOTAM SERVICE NOT AVBL

UTC +8                      YWGN

VAR 1 DEG W              UNCR

HANDLING SERVICES AND FACILITIES

AVGAS, Greg Ball PH: 0428 611 360. Emergency only.

PASSENGER FACILITIES

WC.

AERODROME AND APPROACH LIGHTING

RWY 06/24 and 17/35 LIRL PAL 120.65

ATS AND AERODROME COMMUNICATION FACILITIES

FIA                      MELBOURNE CENTRE                      125.4

CTAF 126.7

ADDITIONAL INFORMATION

Model ACFT OPR WI 1,000M radius of Wagin AD (YWGN) PSN 331854.00S 1172136.00E  
BRG 322 MAG 27.3NM FM Katanning AD (YKNG) OPR will MNT FREQ 126.7 OPR CTC TEL  
0421 966 168; SFC to 1,000FT AGL.

CHARTS RELATED TO THE AERODROME

WAC 3462.



WAHRING FIELD

VIC

364048S                      1451436E

AD OPR Nagambie Soaring Centre Pty Ltd, PO Box 1264, Croydon, VIC, 3136.

Mobile 0418 520 043.

ELEV 410

FULL NOTAM SERVICE NOT AVBL

UTC +10                      YWHG

VAR 11 DEG E              UNCR

REMARKS

1. PPR.

2. AD Charges NIL for visiting ACFT.

3. Gates and Clubhouse are locked.

HANDLING SERVICES AND FACILITIES

NIL fuel.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA                      MELBOURNE CENTRE                      122.4 Circuit Area

LOCAL TRAFFIC REGULATIONS

1. Gliding OPS take precedence at all times.
2. Gyro OPS and training take place on any day of the week.
3. Cross Strip for Glider use only.
4. Carriage and use of radio is RQ by the AD Operator.

FLIGHT PROCEDURES

1. All CCTS to E of the field.
2. Overfly the airstrip NOT below 3,000FT.
3. Avoid overflying vineyard W of AD.

CTAF 121.1

ADDITIONAL INFORMATION

- 1. Winch and aerotow launching.
- 2. Winch cable E side of the strip.

CHARTS RELATED TO THE AERODROME

WAC 3469, 3470.

268° 2NM  
Waikerie

Gliding  
OPR

80

960

26

02

832

SA

341103S

1400150E

AD OPR Loxton/Waikerie District Council, PO Box 409, Loxton, SA, 5333.

PH 08 8541 0700. ARO 0488 547 754: 0417 083 694.

REMARKS

AD not AVBL to ACFT ABV 5,700KG.

PASSENGER FACILITIES

AC/WC (Waikerie Gliding Club)

ELEV 138

FULL NOTAM SERVICE NOT AVBL

UTC +9:30

VAR 9 DEG E

YWKI

UNCR

AERODROME OBSTACLES

Unlit/Unmarked Mast 561FT AMSL (345FT AGL), BRG 260 DEG M/5.1NM (9500M) FM SOT RWY 26.

PHYSICAL CHARACTERISTICS

|       |     |     |                       |        |        |
|-------|-----|-----|-----------------------|--------|--------|
| 02/20 | 015 | 27c | Unrated. White gravel | WID 18 | RWS 90 |
| 08/26 | 076 | 31a | Sealed                | WID 18 | RWS 90 |

AERODROME AND APPROACH LIGHTING

|           |             |                      |
|-----------|-------------|----------------------|
| RWY 02/20 | PTBL(1)     | BY PRIOR ARRANGEMENT |
| RWY 08/26 | LIRL        | PAL 119.6            |
| (1)       | EMERG only. |                      |

ATS AND AERODROME COMMUNICATION FACILITIES

FIA MELBOURNE CENTRE 125.3 Circuit area

LOCAL TRAFFIC REGULATIONS

ACFT taking off on RWY 20 are not visible FM THR RWYs 08 & 26.

CTAF 126.7

ADDITIONAL INFORMATION

Gliding OPS HJ. Gliders operate common circuit direction FM separate strips alongside RWS.

CHARTS RELATED TO THE AERODROME

WAC 3458.

80

24

31

31

NSW

310026S

1513319E

AD OPR Walcha Council, PO Box 2, Walcha, NSW, 2354.

Email: walchaaeroclub@gmail.com: council@walcha.nsw.gov.au.

PH Secretary (Glen O'Brien) 0403 726 780. Council PH 02 6774 2500.

Website: www.walchaaeroclub.com.au.

ELEV 3744

FULL NOTAM SERVICE NOT AVBL

UTC +10

VAR 12 DEG E

YWCH

UNCR

REMARKS

- 1. Refer to website for the latest status of runways and aerodrome.
- 2. Gate vehicle access to aerodrome to remain closed at all times.

## PASSENGER FACILITIES

RF/WC/TX/Terminal AVBL 24HR. Overnight, short or long term hangar options AVBL - CTC Secretary. Fees apply. Taxi H24 phone 0436 131 008. For accommodation CTC Walcha Visitor Information Centre 02 6774 2460 or [tourism@walcha.nsw.gov.au](mailto:tourism@walcha.nsw.gov.au)

## PHYSICAL CHARACTERISTICS

|       |     |                                  |        |
|-------|-----|----------------------------------|--------|
| 06/24 | 52c | Unrated. Gravel. RWY LEN 1,575M. | WID 30 |
| 13/31 | 28c | Unrated. Grass. RWY LEN 855M.    | WID 30 |

## ATS AND AERODROME COMMUNICATION FACILITIES

FIA BRISBANE CENTRE 125.75

CTAF 126.7

## ADDITIONAL INFORMATION

1. Main runway 06/24 is currently being upgraded/re-gravelled since September 2023 and construction risks still exist. These include increased 20MM sharp loose road gravel on main runway. New gravel can drop off suddenly on the edges of up to 100MM. Cross fall on new gravel can be steep in areas of up to 6%.
2. Grass RWY 13/31 can be closed at short notice due to soft surface from wet conditions.
3. Increase kangaroo activity on both grass and main RWY. Suggested overpass prior to landing.

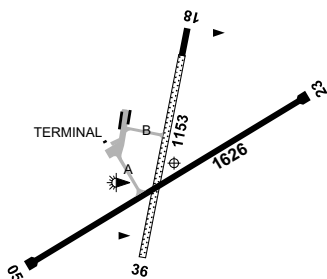
## CHARTS RELATED TO THE AERODROME

WAC 3357.

## WALGETT

ELEV 439

## AVFAX CODE 2225



NSW 300158S 1480733E UTC +10 YWLG  
 AD OPR Walgett Shire Council, PO Box 31, Walgett, NSW, CERT  
 2832. PH 02 6828 6100. PH AH 0428 420 588 or  
 0419 995 062. Fax 02 6828 1608.

## HANDLING SERVICES AND FACILITIES

SHELL - Walgett Aero Club: PH 0418 259 165 or  
 0484 002 073. AVGAS H24 Cardswipe bowser (MC, V credit  
 and debit cards accepted, PIN required for both), No Carnet.  
 AVGAS, ASO W100, W100PLUS.

## PASSENGER FACILITIES

WC/LG (Phone 02 6828 1801).

## AERODROME OBSTACLES

1. LIOL - mast 38FT AGL adjacent to wind sock W of RWY 36 THR.
2. LIOL - TWR 589FT AMSL 330/0.7 FM ARP.
3. MIOL TWR located at 300405.19S 1481050.47E 700FT.

## METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT D, METAR/SPECI.
2. AWIS PH 02 9353 6456 - Report faults to BoM.
3. AWIS FREQ 133.425 - Report faults to AD OPR.

## PHYSICAL CHARACTERISTICS

|       |     |     |                                        |        |         |
|-------|-----|-----|----------------------------------------|--------|---------|
| 05/23 | 048 | 53a | PCN 13 /F /B /580 (84PSI) /T           | WID 30 | RWS 150 |
| 18/36 | 180 | 38c | Unrated. 200M Sealed, remainder grass. | WID 30 | RWS 90  |

RWY 05/23 has a turning node at the central section of the RWY.

## AERODROME AND APPROACH LIGHTING

RWY 05/23 LIRL PAL+AA 122.4

RWY edge light spacing: 05/23: 90M.



OTHER LIGHTING

TWY LGT: Not specified.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA            BRISBANE CENTRE            127.1 Circuit Area

RADIO NAVIGATION AND LANDING AIDS

NDB    WLG    374                            300138.2S            1480725.6E            Range    50 (HN 50)                            (1)

(1)    Pilot monitored.

LOCAL TRAFFIC REGULATIONS

- 1.    All AD OPS restricted to hard surfaces only.
- 2.    ACFT 5,700KG and ABV confine TAX to RWY centre and turn only on RWY end turning nodes 05/23.

CTAF 126.7

ADDITIONAL INFORMATION

Caution: animal and bird life may be present.

CHARTS RELATED TO THE AERODROME

- 1.    WAC 3356, 3357.
- 2.    Also refer to AIP Departure & Approach Procedures.

21

275° 1NM

Wanaaring

35

NSW

294242S            1441016E

AD OPR Bourke Shire Council, PO Box 21, Bourke, NSW, 2840.

PH 02 6830 8000. Fax 02 6872 3030.

FULL NOTAM SERVICE NOT AVBL

UTC +10

VAR 9 DEG E

ELEV 360

YWAG

UNCR

HANDLING SERVICES AND FACILITIES

AVGAS drums by prior order, Phone 02 6874 7720.

AERODROME AND APPROACH LIGHTING

Solar LGT automatically activates dusk till dawn.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA            MELBOURNE CENTRE            125.35 4,000FT

CTAF 126.7

ADDITIONAL INFORMATION

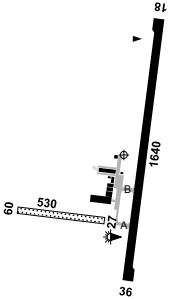
Animal hazard exists.

CHARTS RELATED TO THE AERODROME

WAC 3356.

WANGARATTA

AVFAX CODE 3057



VIC  
362457S  
1461825E  
AD OPR Rural City of Wangaratta, PO Box 238, Wangaratta, VIC, 3677.  
PH 03 5722 0747 H24. ARO 0408 574 569: Backup 0418 340 157.

UTC +10  
VAR 12 DEG E

YWGT  
CERT

**HANDLING SERVICES AND FACILITIES**  
Skyfuel AVGAS and JET A1, H24 self-service bowsters accepts MC, V and Skyfuel Carnet card. PH 0418 862 100 or 0417 780 280. Refer to [www.skyfuel.com.au](http://www.skyfuel.com.au) for site information and orientation.

**PASSENGER FACILITIES**  
WC/PT/TX 03 5721 8888

**SURFACE MOVEMENT GUIDANCE**

RWY 18/36 aiming point markings AVBL.

**AERODROME OBSTACLES**

Unlit tower 1,539FT AMSL 259DEG MAG 8,228M FM ARP.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT D, METAR/SPECI.
2. AWIS PH 03 8470 3222 - Report faults to BoM.
3. AWIS FREQ 126.225 - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

09/27  
18/36

086 17c  
177 54a

Unrated. Grass.  
PCN 12 /F /B /800 (116PSI) /T

WID 18  
WID 30

RWS 60  
RWS 150

**AERODROME AND APPROACH LIGHTING**

RWY 18/36 LIRL PAL 119.2

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 125.2 Circuit Area

**CTAF - AFRU** 119.1

**ADDITIONAL INFORMATION**

1. Aviation and related events will periodically be conducted here. Pilots are advised to check NOTAM and the CTAF for information on these activities.
2. Bird and animal hazard may exist.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3470.
2. Also refer to AIP Departure & Approach Procedures.

WARBURTON

AVFAX CODE 6402



WA  
260742S  
1263500E  
AD OPR Warburton Community, Private Mail Bag 71, via Alice Springs, NT, 0872.  
PH 08 8956 7642, 08 8956 7700.

UTC +8  
VAR 3 DEG E

YWBR  
CERT

**HANDLING SERVICES AND FACILITIES**  
JET A1 and AVGAS AVBL - PN required. Phone 08 8954 0016.

**METEOROLOGICAL INFORMATION PROVIDED**  
1. TAF CAT D, METAR/SPECI.  
2. AWIS PH 08 6216 2640 - Report faults to BoM.

**PHYSICAL CHARACTERISTICS**

18/36

181 52a

PCN 10 /F /A /1000 (145PSI) /U

WID 23  
RWS 80

**AERODROME AND APPROACH LIGHTING**

RWY 18/36 LIRL PAL 119.65

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 130.9 On ground

**RADIO NAVIGATION AND LANDING AIDS**

NDB WBR 218 260741.4S 1263446.9E Range 90 (HN 90) (1)

(1) Operated by AD OPR - Pilot monitored.

**CTAF** 127.1**CHARTS RELATED TO THE AERODROME**

1. WAC 3344.
2. Also refer to AIP Departure & Approach Procedures.

**WARIALDA****ELEV 1140****FULL NOTAM SERVICE NOT AVBL**

NSW 293200S 1503200E UTC +10 YWRL  
AD OPR Gywdir Shire Council, Locked Bag 5, Bingara, NSW, 2404. UNCR  
PH AH 0428 291 951. Council PH BH 02 6729 3000.  
Fax 02 6729 1400.



090° 1NM  
Warialda

**REMARKS**

PPR.

**HANDLING SERVICES AND FACILITIES**

EMERG only

**PASSENGER FACILITIES**

PT (Clubhouse)

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 127.1 Circuit Area

**LOCAL TRAFFIC REGULATIONS**

All parking near clubhouse.

**CTAF** 126.7**CHARTS RELATED TO THE AERODROME**

WAC 3357.

**WARKWORTH****ELEV 250****FULL NOTAM SERVICE NOT AVBL**

NSW 323254S 1510127E UTC +10 YWKW  
AD OPR Hunter Valley Gliding Club, Warkworth, NSW, 2330. Email: secretary@hvgc.com.au. UNCR  
PH Secretary 02 9534 2884. Website: www.hvgc.com.au.

**REMARKS**

1. Private AD. PPR all OPS.
2. The airfield is only manned on flying days.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 124.8

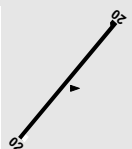
**CTAF** 126.7

**ADDITIONAL INFORMATION**

1. Beware mine blasting may occur near strip The HVGC website will provide information about scheduled blasting.
2. Methane flares OPR site PSN 323300S 1505912E APRX 2NM W of AD.
3. Kangaroo hazard exists, especially when the airfield is not in use.
4. Glider OPS may take place on any day. Callsign is "Warkworth Base".
5. Gliders will monitor the gliding FREQ 122.7 when operating outside the CTAF.
6. UAV (25KG multi-rotor) OPR WI 5NM radius of PSN 323715S 1510410E BRG 140 DEG MAG 4.9NM FM ARP. SFC to 1,500FT AMSL. OPR will broadcast on CTAF 15MIN prior to launch and at 15MIN intervals whilst airborne. OPR CTC 02 6570 1582.

**CHARTS RELATED TO THE AERODROME**

WAC 3456.

**WARNERVALE****ELEV 25****FULL NOTAM SERVICE NOT AVBL**

NSW

331425S

1512549E

UTC +10

VAR 12 DEG E

YWVA

UNCR

AD OPR Central Coast Council, PO Box 20, Wyong, NSW, 2259.

PH 02 4350 5555. ARO 02 4392 4741. Website: [www.centralcoast.nsw.gov.au](http://www.centralcoast.nsw.gov.au).**REMARKS**

1. AD charges all ACFT. Refer Central Coast Council website.
2. Curfew applies: no movements permitted BTN 2200-0630 Local.

**HANDLING SERVICES AND FACILITIES**

Warnervale Air Pty Ltd: 0730-1600 Local DLY. Phone 02 4392 5174.

Aero Refuellers: H24 AVGAS bowser. Accepts Aero Refuellers cards, V and MC. PH 0413 003 808.

**PASSENGER FACILITIES**

LG/RF/WC

**AERODROME OBSTACLES**

Tall trees 55FT AGL 278M S of DTHR RWY 02.

**PHYSICAL CHARACTERISTICS**

02/20                      39a    5700/ Unrated. Sealed. RWY LEN 1,193M.            WID 10    RWS 50  
RWY 02 DTHR 242M. RWY 20 DTHR 210M.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA                      SYDNEY CENTRE                      125.8 Circuit Area

**LOCAL TRAFFIC REGULATIONS**

1. Preferred RWY 20 with LV wind or direct crosswind.
2. Back tracking on the RWY not permitted (except for line-up RWY 02) and pilots should vacate the RWY as soon as practicable after landing.
3. Carriage and use of radio is required by the AD OPR.
4. Broadcast with intentions turning base is required.
5. Pilots should limit radio transmissions in the circuit to those necessary to provide traffic information and separation.
6. Straight-in approaches are not permitted.

**CTAF 132.1****NOISE ABATEMENT PROCEDURES**

Pilots are requested, where possible to avoid a noise sensitive areas (Watanobbi) to the SSE of AD.

**ADDITIONAL INFORMATION**

1. Flight training by RA and GA aircraft.
2. Kangaroo and bird hazard exists.
3. Caution: standing water or soft movement areas after rain.

**CHARTS RELATED TO THE AERODROME**

WAC 3456.

**WARRABER ISLAND****ELEV 10****FULL NOTAM SERVICE NOT AVBL**

QLD

101224S

1424924E

UTC +10

VAR 5 DEG E

YWBS

UNCR

AD OPR Torres Strait Island Regional Council, PO Box 7336, Cairns, QLD, 4870.

PH 07 4034 5700. ARO 0477 380 175 (H24).

**REMARKS**

Restricted OPS: PPR from AD OPR.

**PHYSICAL CHARACTERISTICS**

12/30 24a Sealed

WID 18 RWS 60

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

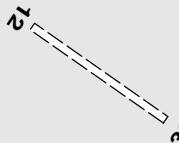
120.3 Circuit Area

**FLIGHT PROCEDURES**

For special procedures which apply to Torres Strait biosecurity requirements, see ERSa GEN - SPECIAL PROCEDURES.

**CTAF** 126.5**CHARTS RELATED TO THE AERODROME**

WAC 3097.

**WARRABRI****ELEV 1258****FULL NOTAM SERVICE NOT AVBL**

NT

205957S

1342347E

UTC +9:30

VAR 4 DEG E

YWBI

UNCR

AD OPR Ali-Curung Council Association, Warrabri, via Alice Springs, NT, 5751. PH 08 8964 1955.

**PASSENGER FACILITIES**

Telephone facilities not AVBL.

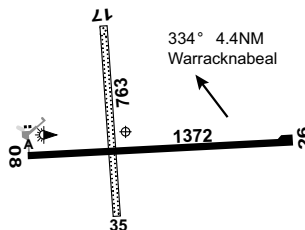
**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

122.1 4500FT

**CTAF** 126.7**CHARTS RELATED TO THE AERODROME**

WAC 3232.

**WARRACKNABEAL****ELEV 397****AVFAX CODE 3024**

VIC

361916S

1422510E

UTC +10

VAR 10 DEG E

YWKB

CERT

AD OPR Yarriambiack Shire Council, PO Box 243,

Warracknabeal, VIC, 3393. PH 03 5398 0100.

ARO 03 5398 0134: 03 5398 0111. PH AH 0427 511 550.

Fax 03 5394 1802.

**HANDLING SERVICES AND FACILITIES**

Warracknabeal Aero Club: H24, 2HR PN, PH: 0428 991 203, 0481 003 999, 0418 799 884. AVGAS, O125, MOGAS 98 RON.

Light Aircraft Academy PH: 0466 649 868. Cash, direct debit (or EFTPOS with PN).

**PASSENGER FACILITIES**

LG/WC/light refreshments.

METEOROLOGICAL INFORMATION PROVIDED

AWIS PH 03 8470 3223 - Report faults to BoM.

PHYSICAL CHARACTERISTICS

08/2607645aPCN 6 /F /B /600 (87PSI) /U

17/3516525cUnrated. Grassed red sand silt.

WID 30RWS 150

WID 30RWS 90

AERODROME AND APPROACH LIGHTING

RWY 08/26LIRLAFRU+PAL 126.7

OTHER LIGHTING

TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

FIAMELBOURNE CENTRE125.8 Circuit Area

LOCAL TRAFFIC REGULATIONS

Keep clear of fire-fighting tanks and ambulance transfer station H24 except RFDS, patient transfer and emergency services.

CTAF - AFRU 126.7

ADDITIONAL INFORMATION

1.

Bird and animal hazard exists.
2.

Model ACFT OPS will take place WI 0.5NM RAD of ARP, SFC to 1,500FT AGL. OPR will monitor CTAF. OPR CTC PH: 0483 847 314.

CHARTS RELATED TO THE AERODROME

1.

WAC 3469.
2.

Also refer to AIP Departure and Approach Procedures.

WARREN

ELEV 669

AVFAX CODE 2226

NSW314400S1474809E

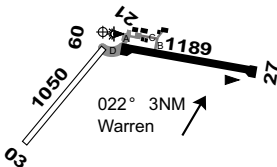
UTC +10VAR 11 DEG E

YWRN

AD OPR Warren Shire Council, PO Box 6, Warren, NSW, 2824.

PH 0427 075 908.

CERT



REMARKS

1.

AD Charges: All ACFT - Itinerant ACFT free.
2.

RWY 09/27 not AVBL for ACFT ABV 5,700KG.

HANDLING SERVICES AND FACILITIES

AVGAS fuel pod AVBL. IOR Fuelcharge APP required. CTC AD OPR.

PASSENGER FACILITIES

PT/LG/WC

PHYSICAL CHARACTERISTICS

03/2103034cUnrated. Gravel.

09/2708839aUnrated.

WID 30RWS 90

WID 18RWS 90

RWY 09/27 not AVBL for ACFT ABV 5,700KG.

AERODROME AND APPROACH LIGHTING

RWY 09/27LIRLPAL 120.05

RWY edge light spacing: 09/27: 90M.

OTHER LIGHTING

TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

FIAMELBOURNE CENTRE123.9 Circuit Area

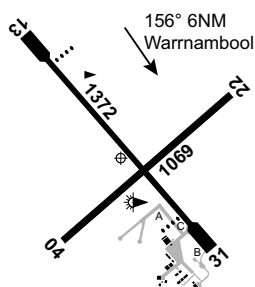
CTAF 126.7

**ADDITIONAL INFORMATION**

1. Wildlife hazard exists.
2. Possible windshear and turbulence western end RWY 09 when winds prevailing from the N at 17KT and ABV.

**CHARTS RELATED TO THE AERODROME**

WAC 3356.

**WARRNAMBOOL****ELEV 242****AVFAX CODE 3012**

VIC

381743S

1422648E

UTC +10

VAR 11 DEG E

YWBL

CERT

AD OPR Warrnambool City Council, PO Box 198, Warrnambool, VIC, 3280. Email: [contact@warrnambool.vic.gov.au](mailto:contact@warrnambool.vic.gov.au). ARO 0417 338 162: 0478 882 291. Council PH 03 5559 4800: H24 0401 988 659.

**REMARKS**

1. This AD is a Security Controlled Airport.
2. PPR for ACFT ABV 5,700KG.
3. AD landing fees apply. CTC AD OPR.

**HANDLING SERVICES AND FACILITIES**

Warrnambool City Council: H24 AVGAS and JET A1 Cardswipe bowsters – Air BP card only. No cash or other card payment AVBL. Phone: 03 5559 4800 or via email to AD OPR.

**PASSENGER FACILITIES**

PT/TX (131008)/LG/WC

**AERODROME OBSTACLES**

1. TWR 394FT AMSL APRX BRG 003 MAG 3.4NM FM ARP.
2. Unlit TWR:
  - a. 549FT AMSL APRX BRG 238 MAG 3.5NM FM ARP.
  - b. 548FT AMSL APRX BRG 344 MAG 4.4NM FM ARP.
3. Lit TWR:
  - a. 495FT AMSL APRX BRG 329 MAG 3.5NM FM ARP.
  - b. 390FT AMSL APRX BRG 041 MAG 1.6NM FM ARP. Marked.
  - c. 258FT AMSL APRX BRG 165 MAG 3.6NM FM ARP.
  - d. 262FT AMSL APRX BRG 112 MAG 3.4NM FM ARP.
  - e. 318FT AMSL APRX BRG 155 MAG 4.9NM FM ARP.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT C, METAR/SPECI.
2. AWIS Phone 03 8470 3224 - Report faults to BoM.
3. AWIS FREQ 125.45 (requires one-second pulse to activate) - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

- |       |     |     |                                  |        |         |
|-------|-----|-----|----------------------------------|--------|---------|
| 04/22 | 037 | 35a | PCN 4 /F /B /5700/655 (95PSI) /T | WID 23 | RWS 90  |
| 13/31 | 127 | 45a | PCN 6 /F /B /750 (109PSI) /U     | WID 30 | RWS 150 |
1. The first 20M of concrete pad at THR of RWY 13 not AVBL for ACFT OPS.
  2. RWY 13/31 RWS 150 (90 Graded).

**AERODROME AND APPROACH LIGHTING**

- |           |         |                |                           |
|-----------|---------|----------------|---------------------------|
| RWY 13/31 | LIRL    | AFRU+PAL 126.0 | SDBY PWR AVBL             |
| RWY 13/31 | PAPI(1) | AFRU+PAL 126.0 | 3.0 DEG29FT SDBY PWR AVBL |
- (1) Left side only.

RWY edge light spacing: 13/31: 90M.

**OTHER LIGHTING**

Secondary PWR switchover time: 30 SEC.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 125.8 Circuit Area

LOCAL TRAFFIC REGULATIONS

1. Limited PRKG AVBL for ACFT ABV 5,700KG MTOW.
2. Due to grades on RWY 13/31 and RWY 04/22 the opposite ends of the RWY are not visible when taking off.

CTAF - AFRU 126.0

ADDITIONAL INFORMATION

1. Bird hazard exists.
2. Seasonal aerial spraying OPS.

CHARTS RELATED TO THE AERODROME

1. WAC 3469.
2. Also refer to AIP Departure and Approach Procedures.

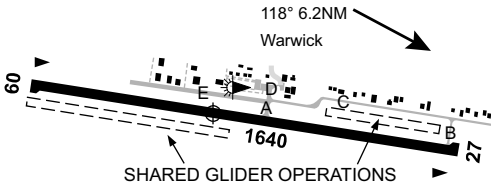
WARWICK

ELEV 1527

AVFAX CODE 4037

QLD  
280858S  
AD OPR Southern Downs Regional Council, PO Box 26, Warwick, QLD, 4380.  
Email: mail@sdrc.qld.gov.au. ARO AH 0456 081 993. Council PH 07 4661 0300.

1515635E  
UTC +10  
VAR 11 DEG E  
YWCK  
CERT



REMARKS

1. \$12 per tonne MTOW landing fee applies for the use of the AD.
2. \$12 per tonne MTOW parking fee applies for all ACFT parked at the AD for more than 24HR.

HANDLING SERVICES AND FACILITIES

Southern Downs Regional Council: AVGAS H24 self serve swipe bowser AVBL. All credit cards accepted. 24HR PN. PH 1300 697 372

PASSENGER FACILITIES

PT/WC

AERODROME OBSTACLES

Natural ridge APRX 1,800FT AMSL LOC 1.5NM E FM E RWS 27 end infringes inner HZS by 125FT.

PHYSICAL CHARACTERISTICS

09/27 088 54a PCN 10 /F /B /580 (84PSI) /U Sealed WID 30 RWS 90

AERODROME AND APPROACH LIGHTING

RWY 09/27 LIRL PAL+AA 119.6

RWY edge light spacing: 09/27: 90M.

OTHER LIGHTING

TWY LGT: Blue edge on TWY A.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA BRISBANE CENTRE 121.2 On Ground

CTAF 127.85

ADDITIONAL INFORMATION

1. Gliding OPS HJ.
2. Model ACFT OPR WI 500M RAD of PSN 281518.00S 1520254.00E BRG 129 MAG 8.7NM FM Warwick AD (YWCK) SFC to 1,500FT AGL.
3. TWY B and TWY E reduced MAX limit. MAX 3M Outer Main Gear Wheel Span (OMGWS).



**CHARTS RELATED TO THE AERODROME**

1. WAC 3357.
2. Also refer to AIP Departure and Approach Procedures.

**WATERLOO (NT)****ELEV 433****FULL NOTAM SERVICE NOT AVBL**

NT

UTC +9:30

YWTL

163748S

1291916E

VAR 3 DEG E

UNCR

AD OPR Brett Cattle Company Pty Ltd, Waterloo Station, PMB 119, Katherine, NT, 0852.  
 PH 08 9168 7378. Fax 9168 7352.

**ATS AND AERODROME COMMUNICATION FACILITIES**

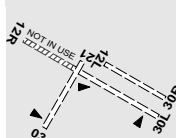
FIA

BRISBANE CENTRE

122.4 5500FT

**CTAF 126.7****CHARTS RELATED TO THE AERODROME**

WAC 3222.

**WATTS BRIDGE****ELEV 300****FULL NOTAM SERVICE NOT AVBL**

QLD

UTC +10

YWSG

270544S

1522735E

VAR 11 DEG E

UNCR

AD OPR Watts Bridge Memorial Airfield Association, PO Box 98, Toogoolawah,  
 QLD, 4313. Email: [info@wattsbridge.com.au](mailto:info@wattsbridge.com.au). PH 0427 699 239.

Website: [www.wattsbridge.com.au](http://www.wattsbridge.com.au).**REMARKS**

1. PPR for all commercial OPS, including flight training.
2. Commercial operators to email AD OPR for permission. Charges and/or conditions apply.

**HANDLING SERVICES AND FACILITIES**

AVGAS available - self serve swipe card - MC and V only.

**PHYSICAL CHARACTERISTICS**

|         |     |                               |        |
|---------|-----|-------------------------------|--------|
| 03/21   | 27c | Unrated. Grass. RWY LEN 810M. | WID 25 |
| 12L/30R | 28c | Unrated. Grass. RWY LEN 840M. | WID 30 |
| 12R/30L | 29c | Unrated. Grass. RWY LEN 880M. | WID 30 |

The extension to RWY 12R/30L is only AVBL by prior arrangement. The extension traverses Silverleaves Rd and the airfield perimeter fence. When not in use the DTHR RWY 12R is located on the SE side of Silverleaves Rd.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA

BRISBANE CENTRE

129.0 Circuit Area

**LOCAL TRAFFIC REGULATIONS**

1. Carriage and use of radio is required by AD OPR.
2. Access to RWY 12L and 30R at RWY ends only.
3. Taxi on mown SFC and exit TWY to parking areas by marked access points only.

**FLIGHT PROCEDURES**

Right hand circuits RWY 12R and 30R.

**CTAF 127.3****NOISE ABATEMENT PROCEDURES**

1. Circuits not permitted before 0700 Local.
2. Consult website for Fly Neighbourly information.

ADDITIONAL INFORMATION

1.

Weather camera display AVBL on website.
2.

Aerobatic operations may take place WI 2NM SE of the airfield, up to 5,000FT. Refer Watts Bridge Fly Neighbourly Map for the location of the aerobatics box, AVBL FM website.
3.

Intensive skydiving at Toogoolawah, 5NM NW of Watts Bridge.
4.

Pilots should check for airfield status updates via website.
5.

Drainage ditches flank each TWY.

CHARTS RELATED TO THE AERODROME

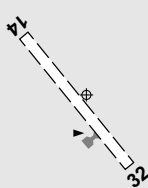
WAC 3340.

WAVE HILL

ELEV 658

AVFAX CODE 8405

FULL NOTAM SERVICE NOT AVBL



NT

172337S

1310709E

AD OPR Western Grazing Company, Wave Hill Station, via Katherine, NT, 0852.  
PH 08 8975 0787.

UTC +9:30

VAR 3 DEG E

YWAV

UNCR

ATS AND AERODROME COMMUNICATION FACILITIES

FIA      BRISBANE CENTRE      123.7 5000FT

CTAF 126.7

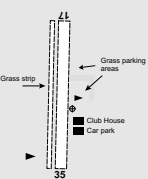
CHARTS RELATED TO THE AERODROME

WAC 3222.

WEDDERBURN

ELEV 850

FULL NOTAM SERVICE NOT AVBL



NSW

341048S

1504832E

AD OPR NSW Sport Aircraft Club Inc, PO Box 450, Campbelltown, NSW, 2560.  
Email: nswsaccom@gmail.com. PH 0425 380 964.

UTC +10

VAR 13 DEG E

YWBN

UNCR

REMARKS

OPS limited to a MTOW of 4,000KG or less, unless approved.

HANDLING SERVICES AND FACILITIES

Skyfuel AVGAS HJ self serve bowser activated by MC, V and Skyfuel carnets. PH 0418 862 100 or 0417 780 280. Oil AVBL for purchase with prior arrangement, CTC AD OPR.

AERODROME OBSTACLES

Trees surround the entire perimeter of the aerodrome.

PHYSICAL CHARACTERISTICS

17/35      32a      RWY LEN 980M. RWY 35 significant down slope THR to mid RWY.      WID 15

ATS AND AERODROME COMMUNICATION FACILITIES

FIA      SYDNEY CENTRE      124.55 On Ground

LOCAL TRAFFIC REGULATIONS

Circuit training by non-resident ACFT not permitted.

CTAF 122.55

NOISE ABATEMENT PROCEDURES

1.

Avoid flying over Appin Township.
2.

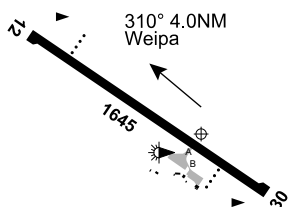
Circuit traffic should avoid flying over the populous areas to the north of the AD.

**ADDITIONAL INFORMATION**

1. Windshear possible on both RWY in strong wind conditions especially from the west.
2. Model ACFT flying may take place HJ. OPR MNT 122.55 MHz.
3. Animal and bird hazard exists at all times, most prevalent at dawn and dusk.
4. Caution: Drainage ditches between RWY and TWY.
5. Caution: R555C (Holsworthy) 1NM east of the ARP.
6. Grass strip ADJ to and west of the RWY, check primary wind sock for status.

**CHARTS RELATED TO THE AERODROME**

WAC 3456.

**WEIPA****ELEV 63****AVFAX CODE 4501**

QLD 124043S 1415531E UTC +10 YBWBP  
 VAR 5 DEG E CERT  
 AD OPR RTA Weipa Pty Ltd, PO Box 1027, Weipa, QLD, 4874.  
 Email: brad.fowler@riotinto.com. PH AD Manager 0458 033 934.  
 Email: weipairport@amsaustralia.com. ARO 0458 033 160 H24.

**REMARKS**

1. AD Charges: Landing: Piston ACFT \$8/tonne MTOW.  
 Turbine ACFT \$15/tonne MTOW. Overnight Parking: Piston  
 ACFT \$5/tonne MTOW. Turbine ACFT \$8/tonne MTOW. All  
 prices + GST.
2. This AD is a Security Controlled Airport.

**HANDLING SERVICES AND FACILITIES**

Viva Energy Aviation - JL Aviation Fuelling Pty Ltd. JET A1 and AVGAS AVBL MON-FRI  
 0800-1800 Local. Closed SAT-SUN. PH 0428 197 873.

**AERODROME OBSTACLES**

1. Transitional SFC infringed by unlit aerial 32FT AGL APRX 500M W FM ARP.
2. Lit Tower:
  - a. 283FT AMSL APRX BRG 280 DEG MAG 3.4NM FM ARP.
  - b. 318FT AMSL APRX BRG 340 DEG MAG 3.8NM FM ARP.
3. Trees:
  - a. 114FT AMSL BRG 201 DEG MAG 263M FM ARP. Infringes TNS by 1FT.
  - b. 118FT AMSL BRG 307 DEG MAG 624M FM ARP. Infringes TNS by 13FT.
  - c. 117FT AMSL BRG 310 DEG MAG 555M FM ARP. Infringes TNS by 9FT.
  - d. 131FT AMSL BRG 311 DEG MAG 850M FM ARP. Infringes TNS by 8FT.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT C, METAR/SPECI.
2. AWIS PH 07 3564 3745 - Report faults to BoM.
3. AWIS FREQ 128.075 (requires one-second pulse to activate) - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

12/30 119 54a PCN 27 /F /B /1400 (203PSI) /T Grooved. WID 30 RWS 150

**AERODROME AND APPROACH LIGHTING**

|           |         |                |             |                      |
|-----------|---------|----------------|-------------|----------------------|
| RWY 12/30 | LIRL    | AFRU+PAL 126.7 |             | SDBY PWR AVBL        |
| RWY 12/30 | PTBL(2) |                |             | BY PRIOR ARRANGEMENT |
| RWY 12    | PAPI(1) | AFRU+PAL 126.7 | 3.0 DEG45FT | SDBY PWR AVBL        |
| RWY 30    | PAPI(1) | AFRU+PAL 126.7 | 3.0 DEG46FT | SDBY PWR AVBL        |

(1) Left side.

(2) EMERG only. 2HR PN.

PAL activates all lighting.

**OTHER LIGHTING**

1. SDBY PWR switchover time: 15 SEC.
2. TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA                    BRISBANE CENTRE                    122.1 On Ground

RADIO NAVIGATION AND LANDING AIDS

|     |    |            |           |            |                                   |     |
|-----|----|------------|-----------|------------|-----------------------------------|-----|
| DME | WP | 112.8/ 75X | 124024.8S | 1415521.4E |                                   | (2) |
| NDB | WP | 377        | 123941.9S | 1415355.7E | Range 40 (HN 40) OW 140 (OW HN90) | (3) |
| VOR | WP | 112.8      | 124024.8S | 1415520.9E |                                   | (1) |

(1) RESTRICTION: Bearing fluctuations (-/+ 4 DEG) may occur on 089 DEG RAD beyond 40NM.

(2) Antenna ELEV 79FT.

(3) 118/1.6 to ARP. Pilot MNT.

LOCAL TRAFFIC REGULATIONS

- 1. Terminal building is locked AH. Keys can be arranged through the AD Manager.
- 2. Any itinerant ACFT wishing to use the RPT apron is to contact the AD Manager 48HR prior to ARR at Weipa for bay number allocation.
- 3. Overnight parking on the RPT apron requires 48HR prior notice to AD Manager.
- 4. PRKG for HEL over 2,500KG MTOW restricted to unsealed section of GA APN. Exceptions require AD Manager approval.
- 5. Light aircraft tie-downs not strength rated.

CTAF - AFRU 126.7

Except when Scherger CTR and Restricted areas active.

ADDITIONAL INFORMATION

- 1. During cyclone season tie-downs shall be used on GA apron.
- 2. Bird hazard may exist overhead the AD particularly late afternoon until dark.
- 3. Weather balloon launch APRX 2315 FM 500M W ARP. Launches may occur at other times.

CHARTS RELATED TO THE AERODROME

- 1. WAC 3112.
- 2. Also refer to AIP Departure and Approach Procedures.

WELLINGTON

31

32

33

34

31

32

33

34

NSW

322745S

1485926E

AD OPR Dubbo Regional Council, PO Box 81, Dubbo, NSW, 2830.

PH 02 6801 4560.

UTC +10

VAR 11 DEG E

ELEV 1398

FULL NOTAM SERVICE NOT AVBL

YWEL

UNCR

REMARKS

1. AD charges: all ACFT.

2. AD gates locked, CTC AD OPR for access code to Pilot Rest Facility, 0900-1700 Local.

PASSENGER FACILITIES

WC in demountable next to APN. Pilot rest area AVBL, see REMARKS for access details.

AERODROME AND APPROACH LIGHTING

Solar lighting H24. RWY 13/31 white on sides, green APCH, red at ends. Blue TWY lights.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA                    MELBOURNE CENTRE                    123.9 Circuit Area

CTAF 126.7

ADDITIONAL INFORMATION

- 1. RWY mowing and farm machinery operate on airfield.
- 2. Bird and animal hazard exists.
- 3. Overfly of RWY prior to landing is recommended to ensure RWY area is clear of wildlife.

CHARTS RELATED TO THE AERODROME

WAC 3456, 3457.

**WENTWORTH****ELEV 120****AVFAX CODE 3075**

NSW

UTC +10

YWTO

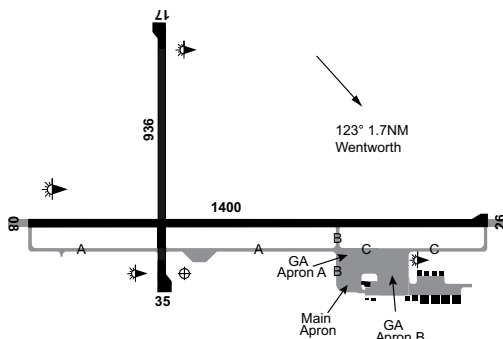
340516S

1415331E

VAR 9 DEG E

CERT

AD OPR Shire of Wentworth, PO Box 81, Wentworth, NSW, 2648. PH 03 5027 5027.

ARO 0429 952 796 (H24). Fax 03 5027 5000. Website: [www.wentworth.nsw.gov.au](http://www.wentworth.nsw.gov.au).**REMARKS**

AD charges apply. Access AVBL in accordance with Wentworth Shire Council AD conditions of access and use. Refer to website.

**HANDLING SERVICES AND FACILITIES**

AVGAS and JET A1 AVBL H24 self-serve. Fuel supplied by IOR Aviation, PH 1300 457 467.

Payment via IOR Aviation tag for account holders or via the Fuelcharge APP.

**PASSENGER FACILITIES**

WC.

**APRONS AND TAXIWAYS**

1. Main APN: asphalt; flexible pavement; ultra low strength; PCN 10.
2. GA APN A: bitumen; flexible pavement; ultra low strength; restricted to 1,500KG MTOW.
3. GA APN B: bitumen; flexible pavement; ultra low strength; PCN 10.

**PHYSICAL CHARACTERISTICS**

|       |     |     |                                          |        |         |
|-------|-----|-----|------------------------------------------|--------|---------|
| 08/26 | 082 | 46a | PCN 10 /F /D /800 (116PSI) /T Spray seal | WID 23 | RWS 140 |
| 17/35 | 172 | 31c | PCN 10 /F /D /800 (116PSI) /T Spray seal | WID 18 | RWS 80  |

**AERODROME AND APPROACH LIGHTING**

RWY 08/26 LIRL PAL+AA 120.05

SDBY PWR AVBL

RWY 17/35 LIRL PAL+AA 120.05

SDBY PWR AVBL

RWY 08/26 and 17/25 edge light spacing: 60M.

**OTHER LIGHTING**

1. SDBY PWR switchover time: 40 SEC.
2. TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE

122.1 Circuit Area

**LOCAL TRAFFIC REGULATIONS**

1. All engine run-ups must be carried out on TWY A, bypass pad east of RWY 17/35.
2. RWS not intended for landing or take-off.
3. APN parking Bay 1 for emergency services ACFT only and for itinerant ACFT with AD OPR prior approval.
4. ACFT parking area north of Main APN restricted to ACFT with MTOW 1,500KG.
5. Helicopter access maximum rotor diameter of 11M. Helitaxi via TWY B only.
6. Carriage and use of radio is required by the aerodrome operator.

**FLIGHT PROCEDURES**

Right hand CCTS RQ when OPR on RWY 17 and RWY 26.

CTAF 118.8

NOISE ABATEMENT PROCEDURES

- Circuit training is permitted only between the following hours:
  - MON-SAT 0700 – 2100 Local
  - SUN and PH 0900 – 1700 Local.
- No more than four aircraft are permitted to conduct circuit training any one time.
- When conducting circuit training operations, pilots should, where safe and consistent with expected training outcomes, climb at best rate to circuit height.
- Pilots should avoid overflying Wentworth township.

ADDITIONAL INFORMATION

- Animal hazard exists. Increased number of kangaroos, birds of prey and pelicans may be present in VCY of AD.
- Automated External Defibrillator (AED) located in Aero Club Rooms. Door Access Code - 12345.

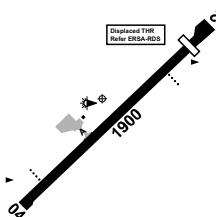
CHARTS RELATED TO THE AERODROME

WAC 3458.

WEST ANGELAS

ELEV 2346

AVFAX CODE 6824



WA 230806S 1184224E UTC +8 YANG  
VAR 1 DEG E CERT  
AD OPR Robe River Mining Company Pty Ltd, West Angelas Mine, PO  
Box 675, Newman, WA, 6753. Email: westangairport@amsaustralia.com.  
ARO 0498 553 652.

REMARKS

- Restricted OPS: PPR from AD OPR.
- All OPS - advise AD OPR at least 20 MIN prior to ETA on FREQ 129.25 MHz, CS "West Angelas Base".

HANDLING SERVICES AND FACILITIES

Viva Energy Aviation: PH 0427 574 127, JET A1. Fuel2Sky Carnet card or credit cards (V and MC).

METEOROLOGICAL INFORMATION PROVIDED

- TAF CAT C, METAR/SPECI.
- AWIS PH 08 6332 8175 - Report faults to AD OPR.
- AWIS FREQ 133.875 - (requires three one-second pulses to activate) - Report faults to AD OPR.

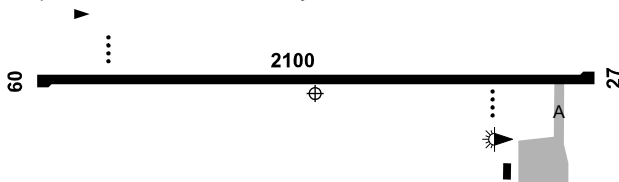
AERODROME OBSTACLES

- Perimeter fence unmarked and unlit entire LEN of RWY 04/22.
  - BTN BRG 217-051 DEG 973-1,048M FM ARP north of RWY CL infringes TNS 7.5FT
  - BTN BRG 209-059 DEG 1,003-1,129M ARP south of RWY CL infringes TNS 7.5FT and 1FT.
- Masts:
  - 2,497FT AMSL BRG 296 DEG MAG 0.63NM FM ARP. Infringes HZS by 39FT. Lit.
  - 2,589FT AMSL BRG 115 DEG MAG 1.5NM FM ARP. Infringes HZS by 130FT.
- Unlit waste dumps:
  - 2,641FT AMSL BRG 067 DEG MAG 2.29NM FM ARP. Infringes inner HZS by 182FT.
  - 2,740FT AMSL BRG 088 DEG MAG 3.14NM FM ARP. Infringes COS by 162FT.
- Terrain:
  - 3,340FT AMSL PSN BTN BRG 290-021 DEG MAG 2,000M-4,000M FM ARP. Extensive.
  - 3,241FT AMSL BRG 219 DEG MAG 5.11NM FM ARP. Infringes RWY 04 APCH SFC.
- Transient OBST BRG 047 DEG MAG 979M FM ARP. Vehicles MAX height 4.5M AGL. Transiting across the road H24.
- Communications TWR lit 2,589FT AMSL BRG 115 DEG MAG 1.5NM FM ARP. Infringes inner HZS by 130FT.

- Information may be continued on the next page: PTO

**WEST MUSGRAVE****ELEV 1600****AVFAX CODE 6407**

WA  
260311S 1274127E UTC +8  
VAR 3 DEG E YWMO  
CERT  
AD OPR OZ Minerals Musgrave Operations Pty. Ltd, 125 St Georges Terrace, Perth, WA, 6000.  
Email: wmoad@bhp.com. PH Site Contact Duty ARO 0400 549 573 H24. Website: www.bhp.com.

**REMARKS**

1. Restricted operations. 24HR PPR FM AD OPR.
2. Parking allocation by prior arrangement with AD OPR.

**HANDLING SERVICES AND FACILITIES**

Marshalling, parking allocation and ground handling services by prior arrangement with AD OPR.  
JET A1 AVBL. Contact ARO. No fuel AVBL on Bay 2.

**PASSENGER FACILITIES**

Telstra 4G reception.

**APRONS AND TAXIWAYS**

TWY A - Code C, 23M sealed.

**AERODROME OBSTACLES**

Communications mast 1,841FT AMSL BRG 158 DEG MAG 1.85NM FM ARP, infringes inner horizontal surface by 80FT.

**METEOROLOGICAL INFORMATION PROVIDED**

AWIS 122.075 - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

09/27 087 69a PCN 43 /F /B /1450 (210PSI) /T Chip seal. WID 30 RWS 280

**AERODROME AND APPROACH LIGHTING**

RWY 09/27 LIRL AFRU+PAL 126.7  
RWY 09/27 PAPI(1) AFRU+PAL 126.7 3.0 DEG52FT  
(1) Left Side.

**OTHER LIGHTING**

1. TWY LGT: Blue edge.
2. Apron flood lighting.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 130.9 4000FT

**LOCAL TRAFFIC REGULATIONS**

1. All ACFT ABV 5,700KG make MAX RAD turns at MNM speed at turn pads to avoid SFC damage.
2. All ACFT to follow APN markings.
3. All ACFT are RQ to backtrack on RWY CL.

**FLIGHT PROCEDURES**

Right hand CCTS RQ when OPR on RWY 27.

**CTAF - AFRU 126.7**

**ADDITIONAL INFORMATION**

Quarry blasting located BRG 185 DEG MAG 3.13NM FM ARP. Blasting prohibited during planned flight times. CTC the ARO to coordinate flights and blasting times.

**CHARTS RELATED TO THE AERODROME**

WAC 3344.



**WEST SALE****ELEV 93****AVFAX CODE 3059**

VIC

380530S

1465755E

UTC +10

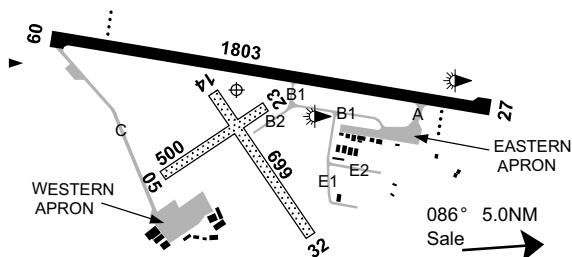
VAR 13 DEG E

YWSL

CERT

AD OPR Wellington Shire Council, PO Box 506, Sale, VIC, 3850. PH 1300 366 244.

ARO 1300 366 244. Fax 03 5142 3501. Website: www.wellington.vic.gov.au/pages/airports.

**REMARKS**

AD Charges: RA Aus registered aircraft exempt. Current fees and conditions of use can be obtained FM AD OPR or online.

**HANDLING SERVICES AND FACILITIES**

Aero Refuellers 24HR AVGAS and JET A1 self-service bowsters accepts Aero Refuellers card, VISA and MC. JET A1 Tanker service AVBL 0458 411 599. Call-out fee may apply.

**PASSENGER FACILITIES**

TX (Phone 03 5144 3278)/LG/WC

**METEOROLOGICAL INFORMATION PROVIDED**

East Sale AWIS - 125.4.

**PHYSICAL CHARACTERISTICS**

|       |     |     |                                   |                         |        |         |
|-------|-----|-----|-----------------------------------|-------------------------|--------|---------|
| 05/23 | 044 | 16c | 5700/650 (94PSI)                  | Grassed grey silt clay. | WID 30 | RWS 90  |
| 09/27 | 087 | 59a | PCN 9 / F / D / 1062 (154PSI) / T | Grooved.                | WID 30 | RWS 150 |
| 14/32 | 133 | 23c | 5700/650 (94PSI)                  | Grassed grey silt clay. | WID 30 | RWS 90  |

**AERODROME AND APPROACH LIGHTING**

|           |         |              |             |               |
|-----------|---------|--------------|-------------|---------------|
| RWY 09/27 | LIRL    | PAL+AA 119.6 |             | SDBY PWR AVBL |
| RWY 09/27 | PAPI(1) |              | 3.0 DEG39FT | SDBY PWR AVBL |

(1) Left side.

RWY edge light spacing: 09/27: 60M.

**OTHER LIGHTING**

- SDBY PWR switchover time: 15 SEC.
- TWY LGT: Blue edge on A, B1 and C. Reflective markers on E1, E2.

**ATS AND AERODROME COMMUNICATION FACILITIES**

|      |                  |                 |
|------|------------------|-----------------|
| FIA  | MELBOURNE CENTRE | 124.0 On Ground |
| ACC  | SALE CENTRE      | 135.8 (4)       |
| ACD  | SALE DELIVERY    | 133.6 (1) (3)   |
| AFIS | SALE RADIO       | (5) 118.3       |
| APP  | SALE APPROACH    | 123.3 340.2     |
| ATIS | SALE ATIS        | (2) 125.4 350   |

- When R360 ACT all ACFT ARR, DEP or OPR at West Sale RQ airways clearance.
- ATIS also AVBL on phone 03 5169 7488. AWIS BCST on ATIS outside East Sale TWR HR. East Sale NDB 350 also transmits voice in EMERG to ACFT with COM failure.
- A/G FAC Sale Delivery 133.6.
- If ACC and APP are combined CS Sale Approach.
- Sale AFIS, IAW AIP GEN 3.3, OPR during HR of CTAF. HR advised by AWIS/ATIS or NOTAM. IFR are to make taxi, DEP and ARR reports to ML CEN for SARWATCH during AFIS.

1. ATS when R360/M301 ACT normally 2200-1200 UTC (2100-1100 UTC HDS) MON-THU, 2200-0400 UTC (2100-0300 UTC HDS) FRI. OT as required, check ESX NOTAM for details. SER provided by East Sale MIL ATC.
2. FREQ 243.0 - Guarded EMERG FREQ. Test transmissions 2200-2230 UTC (2100-2130 UTC HDS) JO.

### LOCAL TRAFFIC REGULATIONS

1. When R360/M301 ACT, ATS provided by East Sale MIL ATC. AWY CLR is RQ. When R360 ACT, drivers of vehicles must CTC East Sale ACD and advise any REQ to enter the RWY or flight strip. Entry remains at driver discretion. Drivers are to advise ACD when they have vacated the RWY or flight strip.
2. ACFT DEP FM West Sale shall ascertain the status of R360/M301 prior to planned DEP. ATIS information AVBL on ES NDB (350 kHz).

### FLIGHT PROCEDURES

1. Right hand CCTS on RWY 05, 09 and 14.
2. West Sale circuit subject to high speed, random MIL ACFT OPS.
3. **R360/M301**
  - a. Refer also to EAST SALE ERSa entry for Airspace procedures.
  - b. CTAF calls are not required when R360 is active.
  - c. West Sale ATZ defined as 3NM RAD of West Sale ARP, SFC - A020.
4. **Landing/Cancellation of SARWATCH**
  - a. ACFT are to remain on Sale APP FREQ 123.3 or Sale ACD 133.6 as directed until LDG at West Sale. LDG is at pilot discretion after being issued the approach clearance from ATC or when operating in the circuit for landing or for a touch and go.
  - b. ACFT are to report clear of the RWY after landing to Sale ACD on 133.6. If unable to establish COM on 133.6, CTC Melbourne Centre on 124.0 or Phone APP 03 5146 7221.
  - c. If COM cannot be established the pilot is to CTC East Sale ATC on 03 5146 7214. Separation on the movement area is not provided by ATC due to the geographical displacement of East Sale TWR.
5. **Departures**
  - a. CTC East Sale ACD before taxiing to obtain AWY CLR and SSR code. Advise current PSN and nominate intended RWY for DEP and any requirements to backtrack on the RWY. Line up or backtrack remains at pilot discretion.
  - b. At the HLDG point when ready, CTC ACD for DEP instructions. If advised by ATC to SDBY, hold PSN and listen for TFC advice. LDG and TKOF clearances are not issued.
  - c. DO NOT TKOF UNTIL INSTRUCTED TO "REPORT AIRBORNE" BY ATC.
  - d. If COM cannot be established with Sale APP or ACD, CTC Melbourne Centre on 124.0 MHz otherwise CTC YMES ATC by Phone 03 5146 7214. TKOF is at pilot discretion after receiving the instruction to "REPORT AIRBORNE" by ATC for a DEP or when in the circuit for a touch and go. Pilots are not to become airborne until in receipt of this instruction.
  - e. ACFT operating in the circuit must report base stating RWY intentions (e.g. touch and go or full stop LDG).

### CTAF - AFRU 118.3

1. CTAF procedures apply when R360 NOT ACT.
2. Military flying training at East Sale BRG 080/8. 7NM FM West Sale ARP may be conducted outside R360/M301 HR of ACT. MIL ACFT may be conducting random high speed manoeuvres within 20NM of East Sale, CTAF.
3. Some instrument approach paths for East Sale pass within close proximity to West Sale aerodrome. Pilots of radio equipped aircraft shall maintain a listening watch on West Sale/ East Sale CTAF 118.3, and broadcast intentions within 20NM of West Sale.

### ADDITIONAL INFORMATION

1. Bird hazard exists.
2. Model ACFT OPR SFC-400FT AGL WI 500M radius of 380536.00S 1470306.00E APRX BRG 070 MAG 4NM FM AD.
3. Caution: East Sale circuit APPROX 4NM E of West Sale ARP.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3470.
2. Also refer to AIP Departure and Approach Procedures.

**WEST WYALONG****ELEV 859****AVFAX CODE 2202**

NSW

335614S

1471129E

UTC +10

VAR 11 DEG E

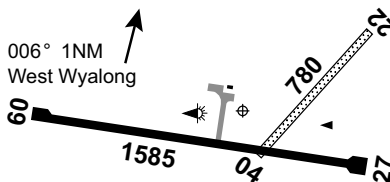
YWWL

CERT

AD OPR Bland Shire Council, PO Box 21, West Wyalong, NSW, 2671. PH 02 6972 2266.

ARO 0447 090 158; 0428 116 700; 0407 011 801; 0427 952 835. Fax 6972 2145.

Website: www.blandshire.nsw.gov.au.

**REMARKS**

1. This AD is a Security Controlled Airport.
2. AD Charges: refer to website. AD OPR uses AVDATA system.

**HANDLING SERVICES AND FACILITIES**

World Fuel Services (WFS): H24 AVGAS bowser WFS card swipe and credit card (via smartphone APP). Email: anzoperations@wfsCorp.com.

**PASSENGER FACILITIES**

PT/TX (02 6972 2155 or 0428 695 328)/HC.

**METEOROLOGICAL INFORMATION PROVIDED**

1. METAR/SPECI.
2. AWIS PH 02 9353 6457 - Report faults to BoM.

**PHYSICAL CHARACTERISTICS**

04/22 030 26c Unrated. Central 18M red clay

WID 18 RWS 90

09/27 087 52a PCN 8 /F /A /850 (123PSI) /U

WID 30 RWS 150

1. Turning nodes at ends & 420 FM THR 09 - WID 45
2. RWY 04/22 not AVBL to ACFT ABV 5,700KG MTOW.

**AERODROME AND APPROACH LIGHTING**

RWY 09/27 LIRL PAL 126.7

RWY 09/27 PTBL(1)

BY PRIOR ARRANGEMENT

(1) PN or EMERG.

RWY edge light spacing: 09/27: 90M.

**OTHER LIGHTING**

TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE

134.65 Circuit Area

**CTAF** 126.7**ADDITIONAL INFORMATION**

1. Bird hazard exists.
2. Kangaroo hazard exists on and around RWY 09/27 and RWY 04/22 H24.
3. Model ACFT OPR at PSN 334936.00S 1471818.00E BRG 029 MAG 8.8NM FM West Wyalong AD (YWWL) OPR will MNT 126.7. OPR CTC PH 0413 588 720.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3456, 3457.
2. Also refer to AIP Departure & Approach Procedures.

**ELEV 570**

2. RWY unusable in wet conditions.



Nil fuel AVBL.

## WC/Water.

Unlit PWR pole and lines 50M E of RWY 14 THR.

14/32 21c 5700/ Grass. RWY LEN 625M.

WID 10      RWS 15

|     |              |     |       |
|-----|--------------|-----|-------|
| FIA | LAUNY CENTRE | (1) | 123.8 |
|-----|--------------|-----|-------|

(1) Outside LT TWR and APP HR ML CENTRE.

CTAF 126.7

Right hand CCTS on RWY 32.

Hazards: terrain turbulence, livestock and wildlife.

**WAC 3556.**

## ELEV 127

**FULL NOTAM SERVICE NOT AVBL**

UNCR

AD OPR Westmead Hospital, PO Box 533, Wentworthville, NSW, 2145. PH Western Sydney Local Health District 02 9845 5555. Fax 02 9845 5000.

1. Authorised Medical EMERG OPS, providing access to the adult's hospital.

2. Not open for public access.

3. AD charges: nil.

4. PN required.

5. Security - FBO controlled.

1. Elevated concrete Helipad (rooftop) on the southern side of Hospital (Hawkesbury RD side) above Emergency Department and Ambulance entry point.

2. FATO 37M, GEA/LLA 27M x 31M.

3. MAX landing weight 6.400KG for routine civil OPS. 10.600KG for EMERG ADF OPS.

4. Single helicopter use only (no perimeter parking AVBL).

5. Covered walkway on the NW corner (lit steady red).

6. Vent shaft (lit steady red) 14M NE and 11M FM FLT path centre line, impinges 1:8 gradient.

Nine storey apartment building (lit steady red) 160M to ENE.

**AERODROME AND APPROACH LIGHTING**

1. LGT manually switched.
2. Green perimeter LGT.
3. Flood LGT on separate switch.
4. Approaches 052M/232M, green centre line lights.
5. Vertical guidance using cross at aiming point for 9 DEG APCH.
6. Windcone, lighted, blue beacons.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA SYDNEY CENTRE 124.55 On Ground  
 UNICOM WESTMEAD HOSPITAL UNICOM 124.15

**FLIGHT PROCEDURES**

1. Approved APCH and DEP paths NE or SW (052M to 232M).
2. Inbound report to EMERG Department receiving room: 02 9845 6609. They will arrange porters and LGT activation. Notify ETA early, preferably in excess of 20 MIN prior to landing.

**CTAF** 124.15**ADDITIONAL INFORMATION**

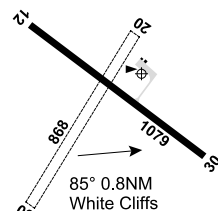
1. Caution: Another rooftop helipad is located at Westmead Children's Hospital (NETS Base) 300M to NE.
2. Windcones AVBL.
3. HLS - NVG Standard.
4. For more detailed operational INFO consult [www.helipads.org](http://www.helipads.org).

**CHARTS RELATED TO THE AERODROME**

1. WAC 3456.
2. Also refer to AIP Departure and Approach Procedures; navigation performance scales are AVBL to approved OPR.

**WHITE CLIFFS****ELEV 536****AVFAX CODE 2231**

NSW 305105S 1430424E UTC +10 YWHC  
 305105S 1430424E VAR 9 DEG E CERT  
 AD OPR Central Darling Shire Council, PO Box 165, Wilcannia, NSW,  
 2836. Email: [council@centraldarling.nsw.gov.au](mailto:council@centraldarling.nsw.gov.au). PH 08 8083 8900.  
 ARO 0429 916 710 (H24). PH AH 0429 915 992.

**HANDLING SERVICES AND FACILITIES**

AVGAS 100LL AVBL. Phone G. Wellings 08 8091 6606 (24H).

**PASSENGER FACILITIES**

WC

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT D, METAR/SPECI.
2. AWIS PH 02 9353 6458 - Report faults to BoM.
3. AWIS FREQ 128.45 - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

02/20 021 28c Unrated. Grass WID 30 RWS 90  
 12/30 117 35a PCN 10 / F / B / 580 (84PSI) / U WID 18 RWS 90

**AERODROME AND APPROACH LIGHTING**

RWY 12/30 LIRL PAL 120.05 SDBY PWR AVBL  
 BY PRIOR ARRANGEMENT

1. Standby PWR FM manual generator on 15 MIN PN for MED flights only.
2. RWY edge light spacing: 90M.

**OTHER LIGHTING**

Blue TWY edge lights.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA MELBOURNE CENTRE 124.9 3500FT

CTAF 126.7

ADDITIONAL INFORMATION

Bird and kangaroo hazard exists.

CHARTS RELATED TO THE AERODROME

1. WAC 3355.
2. Also refer to AIP Departure and Approach Procedures.

WHITE GUM

ELEV 1000

FULL NOTAM SERVICE NOT AVBL

WA  
315202S 1165621E  
AD OPR White Gum Air Park, Lot 2308, Cameron Rd, Malebelling, WA,  
6302. Mobile 0400 246 906. Website: [www.ywgm.com.au](http://www.ywgm.com.au).

UTC +8  
VAR 1 DEG W  
YWGM  
UNCR

REMARKS

1. AD not AVBL HN.
2. RWY 14/32 check for serviceability.

HANDLING SERVICES AND FACILITIES

MOGAS AVBL at bowser located TWY east RWY 14/32.

AERODROME OBSTACLES

1. Powerline 150M FM threshold of RWY 14.
2. RWY 14/32 trees both sides southern half.

PASSENGER FACILITIES

AC/WC at White Gum Farm: 0408 906 520. Mobile phone coverage.

PHYSICAL CHARACTERISTICS

|                            |     |                                       |        |
|----------------------------|-----|---------------------------------------|--------|
| 09/27                      | 25c | Unrated. Gravel. RWY LEN 750M.        | WID 15 |
| 14/32                      | 46c | Unrated. Sand. RWY LEN 1,400M. RWY 14 | WID 15 |
| DTHR 50M. Slope down to N. |     |                                       |        |

ATS AND AERODROME COMMUNICATION FACILITIES

FIA MELBOURNE CENTRE 120.3 Circuit area

FLIGHT PROCEDURES

Pilots are requested to avoid overflying of residential buildings.

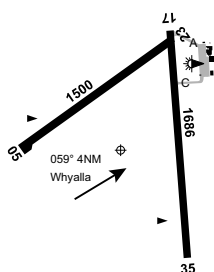
CTAF 126.7

ADDITIONAL INFORMATION

1. Caution, ultralight flight training OPS.
2. Danger zone at Brooklands, 7NM 290°.
3. Located within the Kauring Airborne Geophysical Test Range. Survey aircraft conduct low level calibration testing without notice.

CHARTS RELATED TO THE AERODROME

WAC 3351, 3462.

**WHYALLA****ELEV 41****AVFAX CODE 5003**

SA

330332S

1373052E

UTC +9:30

VAR 7 DEG E

YWHA

CERT

AD OPR Corporation of the City of Whyalla, PO Box 126, Whyalla, SA, 5600. Email: [airport.ops@whyalla.sa.gov.au](mailto:airport.ops@whyalla.sa.gov.au). PH 08 8640 3444:

AD OPS H24 0417 842 459.

**REMARKS**

1. AD Charges: All ACFT.
2. This AD is a Security Controlled Airport.
3. BTN 2100 - 0600 Local, Airport Entrance Gates are locked for security. Contact AD OPS for out of hours opening.

**HANDLING SERVICES AND FACILITIES**

AVGAS self serve credit card facilities AVBL. PH AD OPS for JET A1, O125. No call-out fee.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT C, METAR/SPECI.
2. AWIS PH 08 8150 3819 - Report faults to BoM.
3. AWIS FREQ 123.15 - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

05/23 047 49a PCN 10 /F /B /820 (119PSI) /T Sealed.

WID 30 RWS 90

17/35 167 55a PCN 8 /F /A /1100 (160PSI) /T Sealed.

WID 30 RWS 150

**AERODROME AND APPROACH LIGHTING**

RWY 17/35 LIRL PAL 122.2

SDBY PWR AVBL

1. RWY 17/35 edge light spacing: 90M.
2. Lateral RWY edge light spacing: 49M.

**OTHER LIGHTING**

ABN ALTN 8 WG

1. Secondary PWR switchover time: 15 SEC.
2. TWY LGT: Blue edge on A and C.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE

123.9 Circuit Area

**RADIO NAVIGATION AND LANDING AIDS**

NDB WHA 371 330329.2S 1373127.2E Range 75 (HN 75)

(1)

(1) 260/0.5 to ARP

**LOCAL TRAFFIC REGULATIONS**

1. All ACFT except RPT ACFT must park in the light ACFT area to S of sealed RPT apron.
2. Refuelling not AVBL when Bay 1 occupied by RPT ACFT.

**CTAF - AFRU** 126.9

**ADDITIONAL INFORMATION**

Animal & bird hazard exists.

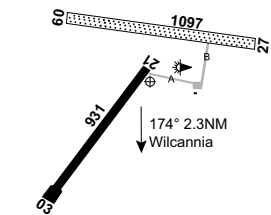
**CHARTS RELATED TO THE AERODROME**

1. WAC 3459.
2. Also refer to AIP Departure & Approach Procedures.

WILCANNIA

AVFAX CODE 2229

ELEV 313



NSW  
313110S      1432252E  
AD OPR Central Darling Shire Council, PO Box 165, Wilcannia,  
NSW, 2836. Email: council@centraldarling.nsw.gov.au.  
PH 08 8083 8900. ARO 0482 537 321: 0448 641 504:  
0416 250 781.

UTC +10  
VAR 9 DEG E  
YWCA  
CERT

REMARKS

1.      Landing charges: All ACFT.
2.      AD not suitable for gliding OPS.

HANDLING SERVICES AND FACILITIES

Nil fuel AVBL.

PASSENGER FACILITIES

WC/PT (local only)/AC PH 02 8091 5040 or 8091 5802.

METEOROLOGICAL INFORMATION PROVIDED

1.      METAR/SPECI.
2.      AWIS PH 02 9353 6459 - Report faults to BoM.
3.      AWIS FREQ 133.35 - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

03/21      027    31a    PCN 10 /F /B /580 (84PSI) /U  
09/27      088    36c    Unrated. Grassed gravel.

WID 18    RWS 90  
WID 30    RWS 90

AERODROME AND APPROACH LIGHTING

RWY 03/21      LIRL      PAL 119.6

SDBY PWR AVBL  
BY PRIOR ARRANGEMENT

1.      RWY edge light spacing: 03/21: 93M.
2.      Manual generator on 15 MIN PN for medical flights only.

OTHER LIGHTING

1.      RWY THR and end lights comprise 2 outer green omni-directional lights and 2 green/red bi-directional lights in 2 groups (total of 4 lights) separated by a 16M wide gap.
2.      Blue TWY edge lights and amber holding point lights on TWY A.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA      MELBOURNE CENTRE      124.9 Circuit Area

CTAF 126.7

ADDITIONAL INFORMATION

Possibility of birds and kangaroos on movement area.

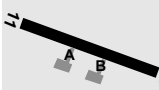
CHARTS RELATED TO THE AERODROME

WAC 3355.

WILLIAM CREEK

ELEV 300

FULL NOTAM SERVICE NOT AVBL



SA  
285425S      1362028E  
AD OPR William Creek Progress Association, William Creek, SA, 5710.  
Email: info@wrightsair.com.au. ARO 08 8670 7962.

UTC +9:30  
VAR 6 DEG E  
YWMC  
UNCR

REMARKS

1.      Prior permission required.
2.      AD Charges: Single \$15.00; Twin \$25.00.
3.      CTC ARO for strip condition.

HANDLING SERVICES AND FACILITIES

AVGAS and JET A1 H24 credit card bowser (V and MC). Prior arrangement preferred, CTC ARO or 0434 777 930.



**PHYSICAL CHARACTERISTICS**

RWY 11/29 Length 1,200M. WID 18M. Sealed.

**AERODROME AND APPROACH LIGHTING**

RWY 11/29 Solar H24.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 120.7 6500FT

**CTAF** 127.8

**ADDITIONAL INFORMATION**

1. Beware of mustering ACFT in the area.
2. Beware of birds on RWY.
3. Increased traffic in the area when Lake Eyre has water.

**CHARTS RELATED TO THE AERODROME**

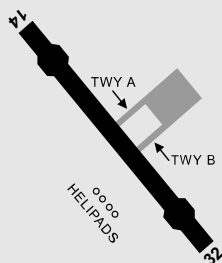
WAC 3354.

**WILLIAMSON**

**ELEV 104**

**AVFAX CODE 4419****FULL NOTAM SERVICE NOT AVBL**

QLD 222824S 1501042E UTC +10 YWIS  
 AD OPR DCSO Rockhampton, 68 Western Street, Rockhampton, QLD, 4700. PH 07 4935 5000. Fax 07 4935 5024. UNCR

**REMARKS**

1. PPR.
2. Contact range control on 07 4935 5000 prior to DEP to CFM FREQ RQMNTS.
3. Caution: This aerodrome is not subject to routine serviceability inspection or NOTAM advice of unserviceabilities. Additional aerodrome data is available from the contact telephone numbers above or for MIL Aircrew: <http://drnet.defence.gov.au/ARMY/FORCOMD/Headquarters/AviationBranch/AvnAwDir/Pages/OPAW.aspx>

**AERODROME OBSTACLES**

High terrain 2.2NM N of AD.

**METEOROLOGICAL INFORMATION PROVIDES**

1. METAR/SPECI.
2. AWIS PH 07 3564 3747 - Report faults to BoM.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 119.55 4000FT

**LOCAL TRAFFIC REGULATIONS**

1. Apron PRKG AVBL E of middle of RWY 14/32. PRKG area unsealed and ill defined. Access in wet weather may be RESTR due to flooding of TWYs.
2. MAX RAD 180DEG turns MUST be taken at turning nodes with back-and-fill turns (3 point turns) being taken across WID of RWY.
3. Apron access requires movement over concrete culverts with grades of more than 2 degrees. Apron access is not AVBL for C17 ACFT.
4. Restriction: C-17 ACFT not permitted to conduct 180DEG turns on RWY, ACFT shall conduct STAR turns at turning nodes only.

**CTAF** 126.7

**ADDITIONAL INFORMATION**

Kangaroo hazard exists, particularly around dawn and dusk.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3235.
2. MIL Aerodrome Obstruction Chart Type A: NOV 2019.

**WILLIAMTOWN****ELEV 31****AVFAX CODE 2012**

NSW

UTC +10

YWLM

324742S

1515004E

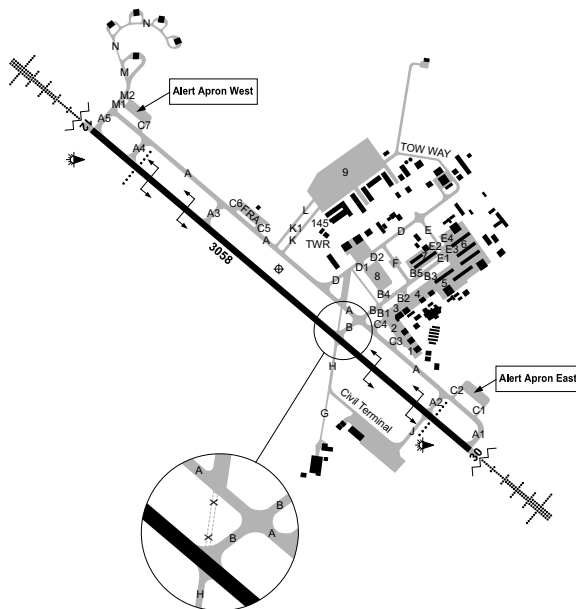
VAR 12 DEG E

MIL

AD OPR RAAF, Air Base Command Post - RAAF Base, Williamtown, NSW, 2314.

Email: wlm.abcp@defence.gov.au. PH 02 4034 5888. Fax 4034 7881.

Website: Civil www.newcastleairport.com.au.

**REMARKS**

1. CIV terminal OPR: Newcastle Airport Ltd (NAPL), Private Bag 1, Williamtown NSW 2318. Terminal Operations Coordinator 02 4928 9810, 0417 281 866, fax 02 4965 1556, email: operations2@newcastleairport.com.au or website.
2. AD not AVBL for planning as an ALTN or ENR ALTN without prior approval.
3. AD not AVBL for general use – MIL CONTROL. PPR for all CIV OPS and visiting MIL ACFT:
  - a. For all MIL ACFT and CIV ACFT parking on MIL aprons, contact WLM ABCP.
  - b. For CIV ACFT, contact NAPL. Online approval AVBL. ARR/DEP times may be SKED to meet RAAF/CIV RQMNTS.
  - c. Curfew applies to CIV OPS outside normal airfield operating hours (2000-1200 UTC, 1HR earlier HDS). AH must be approved by RAAF, regardless of previous NAPL approval. Contact NAPL.
  - d. All CIV and visiting MIL aircraft to submit FPL and quote approval number. ATS HR 2000-1200 UTC DLY (1HR earlier HDS). May be extended in support of MIL OPS (check CTR NOTAM).
4. NAPL charges - refer to website.
5. Customs, immigration and health AVBL 24HR PN.
6. This AD is a Security Controlled Airport.

**HANDLING SERVICES AND FACILITIES**

AMS (MIL) AVBL email: wlm.26sqnamsops@defence.gov.au or PH: 02 4034 7214.

OPR HR MON-FRI 2200-0600 UTC (1HR earlier HDS) except public holidays.

AIR BP – NTL Ground Handling DLY 2000-0800 UTC, 1HR PN AH, AH call out fee \$150,

PH: 0404 484 053, email: shane@austrs.com. Nil AVGAS AVBL.

Limited lavatory and potable water SER not AVBL to transiting MIL ACFT.

**RESCUE AND FIREFIGHTING SERVICES**

1. CAT 6 2000-1200 UTC DLY (1HR earlier HDS). CAT 4 OT.
2. When ATS not active, RFFS CS "WILLY FIRE" AVBL on CTAF FREQ.
3. RFFS vehicles carry water, foam and dry chemical powder firefighting agents as recommended by ICAO.
4. 4 x 50KG dry chemical extinguishers AVBL on CIV APN.
5. FREQ 131.0 AVBL HO. REQ via ATC.

**APRONS AND TAXIWAYS**

1. **STRENGTH/PCN:**
  - a. Civil apron Bays 1, 2, 5 PCN 43/F/A/1500(218PSI)/T
  - b. Civil apron Bays 3, 4 PCN 43/R/A/1500(218PSI)/T
  - c. Civil apron Bay 6 PCN 53/F/A/1500(218PSI)/T
  - d. Civil apron Bays 7-11 PCN 53/R/A/1500(218PSI)/T
  - e. Civil apron Bays 12-14 PCN 43/F/A/1500(217PSI)/T
  - f. TWY A, A1, A2, A3, A4, A5, B, B1, B2, B3, B5, C3, C4, C5, C6, E, E1, E2, E3, E4, D, H and J - PCN 45/B
  - g. TWY B4, D1, D2 PCN 43/B
  - h. TWY F, M, N, Compass Swing Bay PCN 37/B
  - i. TWY G and TOW WAY PCN 15/B
  - j. TWY C1, C2, C7, K, K1, L, M1, M2, Alert Apron East, Alert Apron West PCN 28/B
2. **CAUTION:**
  - a. Uncontrolled vehicle crossings on TWY B, C1, C2, D, H, J, M.
  - b. MIL TWY and APN not visible to ATC. Vehicles and pedestrians may operate N of TWY A without ATC clearance. ATC will advise taxiing ACFT about other taxiing ACFT and ACFT under tow.

**SURFACE MOVEMENT GUIDANCE**

1. RWY 12/30 DIST to run marker installed.
2. INS marker boards coincident with TACAN check points on TWY A and lit.
3. TWY L/K are one way. Guidance signs installed facing TWY A.

**AERODROME OBSTACLES**

1. Mast 170FT AMSL 198/0.59NM FM ARP
2. Lit water tower 171FT AGL 088/0.7NM FM ARP
3. M34B arrestor barrier anchor points at end of both CWY 5FT AGL 28M (92FT) outside extended RWY CL. See RDS for STODA.
4. Arrestor huts 9FT AGL located 85M either side of RWY CL associated with recessed bi-directional BAK 12/14 hookcables (*see ARRESTING GEAR*).
5. Lit ATC tower 145FT AMSL, PSN 324738.40S 1515020.04E, 075/380M FM ARP
6. Trees:
  - a. 62FT AMSL 115/0.97NM FM ARP
  - b. 60FT AMSL 114/1.14NM FM ARP
  - c. 72FT AMSL 119/1.15NM FM ARP
  - d. 146FT AMSL 305/1.57NM FM ARP
7. Lit TACAN 52FT AGL 205/295M FM ARP. Infringes OLS.

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT A, METAR/SPECI, TAF3 issues hourly AVBL during MO HRS (2100-0700 UTC MON-THU, 2100-0400 UTC FRI, EXC PH, OT by TAF RMK/NOTAM), AD WRNG, WS WRNG.
2. AWIS PH 02 9353 6460 - Report faults to AD OPR.
3. AWIS FREQ 316.1, 365 AVBL outside TWR HR - Report faults to AD OPR.
4. MET INFO AVBL FM Airservices Pilot Briefing. Elaborative briefing AVBL FM Defence MO 02 4034 6500 when staffed. AH AVBL FM MWO 02 9296 1526.

**PHYSICAL CHARACTERISTICS**

12/30 118 100a/b PCN 45 /F /B /1930 (280PSI) /U Grooved WID 45 RWS 280  
No RWY shoulders.

**ARRESTING GEAR**

|       |             |             |       |            |             |       |
|-------|-------------|-------------|-------|------------|-------------|-------|
| RWY12 | BAK 12/14   | BAK 12/14   | ----- | BAK 12/14  | BAK 12/14   | RWY30 |
|       | (R)(B)      | (R)(B)      |       | (R)(B)     | (R)(B)      |       |
|       | 450 (1,476) | 951 (3,120) |       | 910(2,985) | 450 (1,476) |       |

1. Recessed bi-directional BAK 12/14 hookcables INSTL 450M (1,476FT) and 951M (3,120FT) SE of THR RWY 12 and 450M (1,476FT) and 910M (2,985FT) NW of THR RWY 30. Marked by yellow circles painted on RWY and adjacent to DIST to run marker. DIST BTN inner cables 1,197M (3,927FT).
  - 1.1. Normal OPR PSN on LDG:
    - a. Dry RWY - arrestable ACFT DEP end down.
    - b. Wet RWY - arrestable ACFT DEP end up.
  - 1.2. Normal OPR PSN on DEP:
    - a. Wet/dry RWY - arrestable ACFT DEP end up.
  - 1.3. DEP end up on pilot request at anytime.
  - 1.4. Non-arrestable ACFT both ends down. No crossing RESTR in down PSN.
- Notes:*
- a. *In the event of PWR failure, cables will rise to a HGT of 10CM until PWR is restored (up to 30 MINS).*
  - b. *CONC absorber housing 1FT high ADJ RWY edge.*
2. M34B(R) barriers located in OVRN 62M (203FT) NW of THR RWY 12 and 62M (203FT) SE of THR RWY 30. NML OPR PSN for barriers is down (1M AGL). Barriers equipped with FLG red lights. If lights are visible on final, LDG is being attempted over a raised barrier (6M AGL).
  3. BAK 12/14 locked down and not AVBL MON-FRI outside of HR of locally based ACFT OPS, including weekends and public holidays. ATC cannot override. Contact WLM ABCP to arrange availability.
  4. M34B and BAK 12/14 not available during CTAF HR except with PN.
  5. Arresting system status will not be provided by ATC when in normal operating position.
  6. M34B Net Arrestor Systems top wire design height not guaranteed when the RWY condition is wet due to Net sagging.

**AERODROME AND APPROACH LIGHTING**

|           |            |                |             |               |
|-----------|------------|----------------|-------------|---------------|
| RWY 12/30 | HIAL-CAT I | AFRU+PAL 118.3 |             | SDBY PWR AVBL |
| RWY 12/30 | HIRL(1)    | AFRU+PAL 118.3 |             | SDBY PWR AVBL |
| RWY 12/30 | PAPI       | AFRU+PAL 118.3 | 3.0 DEG50FT | SDBY PWR AVBL |
| RWY 12/30 | PTBL(2)    |                |             |               |
| RWY 12/30 | SFL        | AFRU+PAL 118.3 |             | SDBY PWR AVBL |

(1) NIL STWL.

(2) PTBL LGT AVBL H24. Laid by RFFS. 2HR PN RQ.

**1. ALS type and length**

- a. RWY 12 - distance coded CL: 900M.
- b. RWY 30 - distance coded CL: 930M.
2. AFRU+PAL AVBL during CTAF HR.
3. Fixed LGT INST settings when PAL in use. Fixed LGT INST settings may RQ increased ILS LDG VIS minima.
  - a. PAL day mode LGT INST – PAPI stage 6, HIRL/HIAL/SFL/TWY OFF
  - b. PAL evening mode LGT INST – PAPI/HIRL/HIAL stage 4, SFL/TWY stage 2
  - c. PAL night mode LGT INST – HIRL/HIAL/PAPI stage 2, SFL off, TWY stage 1
  - d. Modes are based on automatic sensors and may not coincide with first/last light
4. For manual activation of AD LGT in event of PAL failure CTC "WILLY FIRE" FREQ 118.3 and REQ "PAL OVERRIDE".
5. RWY 12/30 – no RWY CL LGT INSTL.
6. RWY 12/30 edge lighting spacing: 56M.

**OTHER LIGHTING**

Secondary PWR switchover time: 15 SEC. Does not support TKOF BLW 800M VIS.

## ATS AND AERODROME COMMUNICATION FACILITIES

|       |                         |                   |
|-------|-------------------------|-------------------|
| FIA   | BRISBANE CENTRE         | 125.7             |
| ACD   | WILLY DELIVERY          | 130.35 (3)        |
| APP H | WILLY APPROACH HIGH (1) | 133.3 261.4       |
| APP L | WILLY APPROACH LOW (1)  | 135.7 293.4       |
| ATIS  | WILLY ATIS              | 134.45 316.1 365  |
| SMC   | WILLY GROUND (2)        | 121.8             |
| SMCV  | WILLY GROUND            | 127.25            |
| TWR   | WILLY TOWER (2)         | 118.3 243.0 280.9 |

- (1) APP H is the primary frequency. During busy periods, APP L is also active to provide ATS. Both frequencies are monitored and ACFT will be directed to the appropriate frequency as required.
- (2) ACFT will not be advised of SMC or TWR frequencies. Departing ACFT shall CTC SMC after receiving AWY CLR and CTC TWR approaching holding point. Arriving ACFT shall CTC SMC after vacating RWY.
- (3) ATS frequencies have reduced range APRX 25NM to N and NW BLW 3000FT due terrain shielding. Relay AVBL through BRISBANE CENTRE 120.55.
1. EMERG FREQ 243.0 guarded, APP and TWR.
2. Automatic retransmit FAC exists BTN 118.3/280.9, 133.3/261.4, 135.7/293.4, 121.8/127.25.

## RADIO NAVIGATION AND LANDING AIDS

|     |     |                    |           |            |               |
|-----|-----|--------------------|-----------|------------|---------------|
| DME | IWM | 110.5/ 42X (RWY12) | 324723.7S | 1514926.4E | (5)           |
| GP  | IWM | 329.6 (RWY12)      | 324723.7S | 1514926.4E | (3)           |
| ILS | IWM | 110.5 (RWY12)      | 324823.1S | 1515058.3E | (4)           |
| LOC | IWM | 110.5 (RWY12)      | 324823.1S | 1515058.3E | (3)           |
| NDB | WLM | 365                | 324812.1S | 1514943.6E | Range 130 (1) |
| TAC | WLM | 112.8/ 75X         | 324749.7S | 1514959.2E | (2)           |

- (1) Voice AVBL to ACFT with COM failure. Pilot MNT. Excessive needle oscillations on BRG 230 beyond 21NM.
- (2) CAUTION: Bearing unlock may occur on final APCH inside FAF both RWY. Pilot MNT.
- (3) Pilot MNT during CTAF HR.
- (4) ILS Critical Area not protected during CTAF HR. Pilot MNT during CTAF HR.
- (5) Antenna ELEV 53FT.

## LOCAL TRAFFIC REGULATIONS

1. Civil VFR ACFT must contact Willy Delivery 130.35 to advise FLT details and obtain SSR code before entering WLM restricted areas. VFR ACFT should submit FPL to reduce delays in ACFT processing. Exceptions apply to some VFR routes, see Flight Procedures.
2. ACFT operating at weights of 25,000KG or less are permitted to conduct 180 DEG turns on the RWY. All other ACFT must execute 180 DEG turns on concrete THR. All ACFT must use MAX radius turns on RWY.
3. New (taller, eastern) ATC tower not yet commissioned. If ATC light signals are required, look to old (shorter, western) tower.
4. All taxiways and aprons NE of TWY A restricted to MIL and RAAF-approved CIV ACFT only.
5. During CHASE OPS, all taxiing aircraft can expect a clearance to intermediate holding points located on TWY A, B, H, J. Aircraft are not to proceed beyond the intermediate holding point until cleared by ATC. Standard readback RQMNTS apply.
6. All civil ACFT require 30MIN holding fuel during ATS hours. Non-standard priorities apply during ATS hours.
7. **PRIORITIES**
  - a. DRG ATS HR, priorities are applied IAW *AIP ENR 1.4*, except military activities may be given priority over other traffic.
  - b. Priorities between conflicting military activities will be managed as per *FIHA AD2 SUP WLM*. Locally-based Air Combat Group ACFT will typically receive priority over other MIL ACFT.
  - c. Priorities may be amended by AIP SUP or NOTAM during periods of increased operational tempo.

**8. INSTRUMENT APPROACH TRAINING**

- a. CIV and MIL INSTR APCH training permitted DRG ATS HR with ATC approval. CTC ATC for approval and slot time, phone 02 4034 6807. See Priorities.
- b. During CTAF HR, full stop LDG and touch and go not AVBL. All aircraft are to comply with published missed approach procedures unless specific approval granted by WLM ABCP.

**9. SURVEY AND AWK FLIGHTS**

- a. Survey and AWK within 25NM of YWLM PPR, subject to ATC workload and MIL traffic. See Priorities.
- b. Details of proposed flight, including maps, must be provided to ATC 24 hours prior to intended operation, email: wlm.atc@defence.gov.au. Submission of details does not assure flight will be approved.
- c. CTC ATC for approval and slot time prior to take off, phone 02 4034 6807.  
*Note approval may be withdrawn at any time to afford MIL priority.*

- d. ATC approval of survey flight does not constitute approval for photography of RAAF Base Williamtown. CTC Air Base Command Post 02 4034 5888 for photography approval.

**10. MILITARY L-BAND RADAR is in operation at PSN 324801S 1514956E.**

- a. Possible avionics interruptions/errors WI 150M BLW 500FT AMSL.  
ACFT transporting MIL ordnance are to observe the FLW separation FM the radar site unless ordnance manufacturers specify shorter distance.
- b. Hero Susceptible 1.3KM/1,500FT AMSL.  
All ACFT planning to carry Hero Susceptible ordnance into Williamtown are required to obtain permission 24HR prior to arrival. Contact as listed at the start of the Williamtown entry.

**FLIGHT PROCEDURES****1. TRAFFIC MANAGEMENT PROCEDURES**

- a. In order to comply with the WLM TMP, suitably equip aircraft will be issued a corresponding SID/STAR for the duty RWY IAW *GEN-FPR* for WLM.
- b. During Military flying windows, nominally 0900-2200 Local MON-FRI, the RNP AR approaches and corresponding STAR are not available. WLM ATC may offer these approaches when traffic/workload permits.
- c. During CTAF operations WLM SID and STAR may be available subject BN CEN workload and traffic management

**2. SPEED RESTRICTIONS**

- a. When not on a SID or STAR CIV ACFT must not exceed 250KT IAS when BLW 10,000FT AMSL. Advise ATC if a higher speed is operationally required.
- b. Refer *FIHA AD2 SUP WLM* for MIL speed restrictions.

**3. CIRCUITS**

- a. Right hand circuits required when OPR on RWY12.
- b. Circuit Area defined as 5NM radius, over land, SFC to 2,500FT AMSL.
- c. Circuit heights: Non-jet FW ACFT with MTOW more than 7,000kg and all jet FW ACFT – 1,500FT AMSL; Non-jet FW ACFT with MTOW of 7,000kg or less – 1,000FT AMSL; rotary wing ACFT – 500FT AMSL.
- d. VFR ACFT OPR in the circuit area will not receive directed traffic information regarding VFR ACFT OPR in the ADJ Coastal Route.
- e. VFR ACFT OPS in the circuit area will not be separated from IFR local MIL operations.
- f. CIV circuit training is only AVBL to authorised ACFT – see Remarks. PPR. CTC ATC for approval and slot time, phone 02 4034 6912.

#### 4. **R596 SALT ASH AIR WEAPONS RANGE**

- a. When Salt Ash Air Weapons Range is in use, R596 ACTIVE will be broadcast on ATIS during ATS HR. Range activity height may vary from R596 NOTAM levels.
- b. When R596 SALT ASH ACTIVE, FLW restrictions apply:
  - (i) UBSON ONE ALPHA RWY 12 SID not AVBL.
  - (ii) LAXUM TWO ROMEO RWY 30 STAR, LAXUM TWO VICTOR RWY 30 STAR and RNP X RWY 30 not AVBL.
  - (iii) NDB RWY 30 APCH and DME/GNSS Arrival not AVBL.
  - (iv) ARR and DEP ACFT expect tracking RESTR around R596.
- c. Coastal VFR Route traffic will not be provided with traffic information on ACFT operating within R596.

*Note: additional PROC and some exceptions apply to MIL ACFT – refer FIHA AD2 SUP WLM.*

#### 5. **COASTAL VFR ROUTE**

##### **NOBBYS HEAD (NBB) – ANNA BAY (ANA) – PORT STEPHENS LIGHTHOUSE (PSS) – BROUGHTON ISLAND (BRI) – SUGARLOAF POINT (SUG) AND REVERSE**

- a. Caution: Non-compliance with procedures may result in penetration of active MIL restricted areas/R596 air weapons range.
- b. Caution: Unauthorised drone flying hotspot BTW NBB and BRI.
- c. Caution: High speed MIL jets operate in the coastal VFR route and adjacent MIL airspace. Wake turbulence may be encountered. Operate transponder and anti-collision lighting at all times if equipped. ACFT within the coastal VFR route will not receive:
  - (i) traffic information regarding MIL ACFT operating within adjacent MIL airspace, including Williamtown circuit area, R596 and R584A.
  - (ii) separation from IFR MIL ACFT operating adjacent to the coastal VFR route.
  - (iii) wake turbulence separation or caution.
- d. Caution: VFR ACFT OPR on the Coastal Route will not be separated from VFR ACFT OPR in ADJ ship transfer airspace reservation. Directed traffic information will be provided when relevant. Ship transfer airspace reservation vertical limits
  - (i) Ship transfer airspace reservation lateral limits: 325453S 1514851E - 325842S 1515411E - 325920S 1515404E - 330921S 1515537E then along the clockwise arc of a circle radius 22NM centre 324749S 1514959E (SALUS/WPT) - 330856S 1514235E - 325919S 1514600E - 325453S 1514851E.
  - (ii) Ship transfer airspace reservation vertical limits: upper limit 2,500FT AMSL, lower limit conforms to the WLM CTR A/B and CTA C2 of which the lateral limits overlie.
- e. Flight only permitted VFR
- f. Track via the coastline, over water, within 2NM of the coast; ACFT may track up to 2NM west of SUG to enter/leave the route; point-to-point tracking not permitted without ATC approval
- g. Due to poor radar and radio coverage, no control service is provided to VFR ACFT BTW BRI and SUG
- h. **NORTHBOUND NBB-ANA-PSS-BRI-SUG:**
  - (i) Remain BLW WLM CTA C3/C4. 5NM S of NBB contact WILLY DELIVERY 130.35 with flight details. Expect clearance at 500FT.
  - (ii) **DO NOT PROCEED N OF NBB WITHOUT CLEARANCE.** Do not hold at NBB over water – hold over land, S of Hunter River, BLW 2,500FT, outside WLM CTR A until cleared. Intense hang gliding, paragliding and drone flying over beaches S of NBB.
  - (iii) ACFT cleared via Coastal VFR Route are to track via the coastline over water within 0.5NM of the coast while tracking between NBB and abeam Stockton Bridge and remain clear of ship transfer airspace reservation.
  - (iv) Follow the coastline at all times, over water, within 2NM of coast. Report at ANA at 500FT. Expect climb not above 2,000FT.
  - (v) Report ABM BRI. Expect control services and identification to terminate and ATC to instruct return to civil FREQ. Remain tracking via coast not above 2,000FT until SUG. If unable to CTC WILLY APP N of BRI, relay message through BN CEN 120.55.

- i. **SOUTHBOUND SUG-BRI-PSS-ANA-NBB**
  - (i) Track from SUG not above 2,000FT. Follow the coastline at all times, over water, within 2NM of the coast. ATC clearance not required until BRI.
  - (ii) 5NM N of BRI contact WILLY DELIVERY 130.35 with flight details. Expect clearance not above 2,000FT with a clearance limit of ANA. If unable to CTC WILLY DELIVERY N of BRI, relay message through BN CEN 120.55.
  - (iii) **DO NOT PROCEED S OF BRI WITHOUT CLEARANCE.** Do not hold at BRI over land – hold over water within 2NM of the coast.
  - (iv) Report at ANA at 500FT. Expect onwads clearance at 500FT.
  - (v) **DO NOT PROCEED S OF ANA WITHOUT ONWARDS CLEARANCE.** Do not hold at ANA over land – hold over water within 2NM of the coast.
  - (vi) Report at NBB.
6. **INLAND VFR ROUTE (D589)**  
**DUNGOG TOWNSHIP – STROUD ROAD (SRO) – GLOUCESTER (GCR) – WIRRADGURIE (WDU) AND REVERSE**
  - a. AVBL when D589 active – check NOTAM or confirm STS with BN CEN.
  - b. When entering or exiting ACFT are to remain clear of WLM CTR B and remain below WLM CTA C2.
  - c. **Caution: Non-compliance with procedures may result in penetration of active MIL restricted areas.**
  - d. VFR ACFT may transit without ATC contact or clearance.
  - e. ATC service not provided within D589.
  - f. **D589**
    - (i) 1NM either side of the railway line BTN a position 2NM NE of DUNGOG TOWNSHIP and SRO.
    - (ii) 1.5NM either side of the RAILWAY LINE BTN SRO, GCR and WDU.
    - (iii) Vertical limit 2,500FT.
    - (iv) Caution: surrounding high terrain. If it is anticipated that VMC cannot be maintained, IMMEDIATELY contact ATC on 135.7 or 120.55 and squawk 7700.
7. **REMOTELY-PILOTED AIRCRAFT SYSTEM (RPAS)**
  - a. All RPAS requests are to be sent via email: wlm.uas@defence.gov.au.
  - b. A minimum of 7 days notice is required. Approval subject to nature and location of flight, ATC workload and MIL traffic. See Priorities.
  - c. ATC approval of operation does not constitute approval for photography of RAAF Base Williamtown. CTC Air Base Command Post 02 4034 5888 for photography approval.
  - d. Unauthorised RPAS operations are a known risk in VCY of:
    - (i) Newcastle, Merewether, Fern Bay, Stockton Beach, Tomago, Campvale, Bobs Farm, Tanilba Bay, Corlette, Beresfield and Raymond Terrace up to 400FT. ATC will issue hazard alert on any known unauthorised RPAS operations. Pilots may request alternate tracking or holding to avoid hazard. SFC to 400FT AGL.
    - (ii) Stockton Beach and Raymond Terrace in the APCH and DEP paths of RWY 12/30 and along the coastal VFR route. ATC will issue a hazard alert on any known unauthorised RPAS OPS. Pilots may request alternate tracking or holding to avoid the hazard.

**CTAF - AFRU 118.3**

1. Outside ATS HR.
2. WAE may be OPR on or near RWY and other ACFT MOV areas.
3. In event of EMERG, declare the EMERG to Brisbane Centre FREQ 125.7. Additionally when within 10NM of WLM, advise details to WILLY FIRE on CTAF FREQ 118.3.

**NOISE ABATEMENT PROCEDURES****1. DEPARTURES**

- a. Departing ACFT will be issued a SID.
- b. ACFT issued a radar SID will be assigned noise abatement heading BTN 080R and 330R.
- c. All jet ACFT are to apply ICAO Noise Abatement Procedures 1 or 2.



**2. EXCEPTIONS**

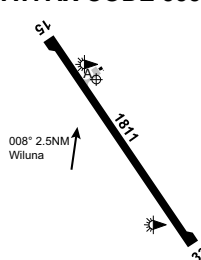
- a. Rotary wing ACFT.
- b. Fixed wing ACFT with a MTOW of 7,000KG or less.
- c. *FIHA AD2 SUPP WLM Part A* compliant aircraft.
- d. Priority ACFT as detailed in *AIP ENR 1.4*.

**ADDITIONAL INFORMATION**

1. AD WIP (sweeping) BTN 1200-2000 UTC (1HR earlier during HDS). WAE will vacate with 15MIN PN when ATC not active. CTC Airfield Works Safety Officer CS 'Sweeper 1' or 'Sweeper 2' on CTAF 118.3 or phone: 0456 456 013.
2. RAAF Williamtown Demolition Range 1, 324747.2S 1514934.0E (245DEG/800M FM ARP). Vertical limit 1,700FT AGL WI 200M radius laterally. Check NOTAM for activation periods, short notice extensions advised by ATIS. Blasts conducted under ATC approval.
3. Windshear hazard exists on RWY12 when wind velocity 030-090DEG ABV 10KTS, and on RWY30 when wind velocity 270-330DEG ABV 15KTS, due jet blast wall.
4. TWY A may be visually dominant in certain wet weather conditions and may be mistaken for the RWY.
5. 25M ground firing range, APRX position 040DEG/0.50NM FM ARP. Limits 400FT in all directions. Active on display of red flags.
6. Weather balloon launch APRX 2315 UTC, PSN 054DEG/230M FM ARP. Launches may occur at other times.
7. Caution: Model ACFT OPR at:
  - a. Hexham Bridge SFC-400FT AGL 234DEG/7.1NM FM ARP.
  - b. Oyster Cove 057DEG/7.2NM FM ARP
8. Caution: Gas flare located at 324841.82S 1514351.98E 247DEG/5.3NM FM ARP (Tomago Smelter).
9. Flying foxes are a seasonal risk at dawn and dusk on APCH to the RWY (on and off the airfield), particularly in the area along Tilligerry Creek, BRG 070 MAG APRX 4-8NM FM ARP. Peak risk period is DEC-FEB although potential risk exists all year round.

**CHARTS RELATED TO THE AERODROME**

1. WAC 3456.
2. MIL Aerodrome Obstruction Chart Type A: AUG 2017  
*Note - does not include recent NW RWY extension.*
3. Also refer to AIP Departure and Approach Procedures.

**WILUNA****ELEV 1652****AVFAX CODE 6604**

WA  
263745S 1201314E UTC +8  
VAR 1 DEG E YWLU  
AD OPR Wiluna Shire Council, PO Box 38, Wiluna, WA, 6646.  
Email: reception@wiluna.wa.gov.au. PH BH 08 9981 8000:  
AD MGR 0428 463 606. CERT

**REMARKS**

1. AD Charges: All ACFT
2. This AD is a Security Controlled Airport.
3. AH PPR FM AD OPR.

**PASSENGER FACILITIES**

WC (not disabled).

**METEOROLOGICAL INFORMATION PROVIDED**

1. TAF CAT D, METAR/SPECI.
2. AWIS PH 08 6216 2641 - Report faults to BoM.

**AERODROME OBSTACLES**

1. TWR 1,836FT AMSL BRG 099 MAG 1.77NM FM ARP. Infringes inner HZS by 40FT. Unlit.
2. Anemometer 1,684FT AMSL BRG 333 MAG 0.12NM FM ARP. Infringes TNS by 8FT. Unlit.
3. Primary IWI 1,667FT AMSL BRG 319 MAG 0.07NM FM ARP. Infringes TNS by 22FT. Unlit.

PHYSICAL CHARACTERISTICS

15/33      146   59a   PCN 8 /F /A /931 (135PSI) /T Sealed      WID 30    RWS 150

AERODROME AND APPROACH LIGHTING

RWY 15/33      LIRL(1)      PAL 119.6      SDBY PWR AVBL  
BY PRIOR ARRANGEMENT

- (1)      24HR PN AD OPR - Fees apply. SDBY PWR is manually activated. 1HR PN REQ for activation.

OTHER LIGHTING

TWY LGT: Blue edge on A.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA      MELBOURNE CENTRE      118.95 Circuit Area

RADIO NAVIGATION AND LANDING AIDS

NDB   WLW   383      263729.2S    1201312.0E    Range 100 (HN 80)      (1)  
(1)    Pilot monitored.

LOCAL TRAFFIC REGULATIONS

1.      All ACFT must use yellow lead in lines when entering or exiting the TWY.  
2.      All ACFT to use designated turning nodes at end of RWY 15/33.  
3.      Limited PRKG AVBL. Unless by prior arrangement (24HR PN), ACFT ABV 5,700KG contact AD MGR for parking.  
4.      For ACFT ABV 5,700KG the following PRKG restrictions apply:  
        a.    PRKG Bay 1: Bay 1A to be vacant.  
        b.    PRKG Bay 1A: Bay 1 to be vacant.  
5.      RWS and GA APN may not be AVBL following a rain event. CTC AD MGR for availability.

CTAF 127.2

AFRU located at Jundee, not AVBL on ground at Wiluna

ADDITIONAL INFORMATION

AD inspections carried out MON-FRI. Additional inspections are AVBL with PN.

CHARTS RELATED TO THE AERODROME

1.      WAC 3345.  
2.      Also refer to AIP Departure and Approach Procedures.

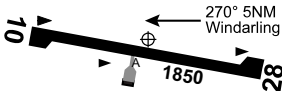
WINDARLING

ELEV 1502

AVFAX CODE 6119

WA      UTC +8      YWDG  
300155S      1192314E      VAR 0 DEG E      CERT

AD OPR Yilgarn Iron Pty Ltd, 20 Walters Dr, Osborne Park, WA, 6017.  
Email: windarling.aerodrome@mrl.com.au. ARO 0419 326 117, if not AVBL  
PH AD manager 0407 148 536.



REMARKS

Restricted OPS: PPR.

APRONS AND TAXIWAYS

TWY A: sealed, WID 15M.

AERODROME OBSTACLES

Vegetation 3FT AGL PSN 50M north of RWY CL for the entire length of RWY 10/28 infringes transitional SFC.

PHYSICAL CHARACTERISTICS

10/28      103   61a   PCN 8 /F /A /522 (76PSI) /T Sealed      WID 30    RWS 90

**AERODROME AND APPROACH LIGHTING**

RWY 10/28 PTBL(1)

BY PRIOR ARRANGEMENT

(1) EMERG only. 90MIN PN to ARO.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE

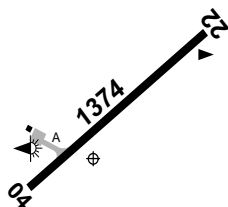
123.4 Circuit area.

**LOCAL TRAFFIC REGULATIONS**

1. From the TWY holding point, ACFT at THR RWY 28 may not be visible.
2. ACFT at THR RWY 10 and 28 may not be visible to each other.
3. ACFT ABV 5,700KG MTOW must turn at RWY ends only. MAX radius MNM speed turns.

**CTAF - AFRU** 126.7**CHARTS RELATED TO THE AERODROME**

1. WAC 3351.
2. Also refer to AIP Departure and Approach Procedures.

**WINDORAH****ELEV 452****AVFAX CODE 4134**

QLD

252447S

1424002E

UTC +10

VAR 7 DEG E

YWDH

CERT

AD OPR Barcoo Shire Council, 6 Perkins Street, Jundah, QLD, 4736.  
 ARO 0459 892 185 (H24): 0499 190 783. Council PH 07 4658 6900.

**REMARKS**

This AD is a Security Controlled Airport.

**HANDLING SERVICES AND FACILITIES**

Windorah Aviation Fuels: H24 PH AD OPR. AVGAS and JET A1 bowser. Credit card machine available ONLY for AVGAS. JET A1 available by appointment only. Call out fees may apply.

**AERODROME OBSTACLES**

Lit water tank located 0.59NM FM ARP BRG 219 MAG and 510FT APRX HGT AMSL. Infringes the transitional OLS by 3FT.

**METEOROLOGICAL INFORMATION PROVIDED**

TAF CAT D, METAR/SPECI.

**PHYSICAL CHARACTERISTICS**

04/22 043 45a PCN 15 /F /A /860 (125PSI) /U Sealed

WID 30

RWS 150

**AERODROME AND APPROACH LIGHTING**

RWY 04/22

LIRL

AFRU+PAL 126.7

SDBY PWR AVBL

BY PRIOR ARRANGEMENT

**OTHER LIGHTING**

SDBY PWR manually activated. 30MIN PN.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

118.8 10500FT

**RADIO NAVIGATION AND LANDING AIDS**

NDB WDH 407

252439.3S

1423947.5E

Range 40 (HN 40)

(1)

(1) Pilot monitored.

**FLIGHT PROCEDURES**

HN ACFT OPS restricted to circling approach minimums.

**CTAF - AFRU** 126.7**ADDITIONAL INFORMATION**

Bird and animal hazard exists.

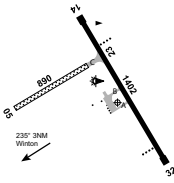
CHARTS RELATED TO THE AERODROME

1. WAC 3342.
2. Also refer to AIP Departure and Approach Procedures.

WINTON

ELEV 638

AVFAX CODE 4311



QLD  
222149S  
AD OPR Winton Shire Council, PO Box 288, Winton, QLD, 4735.  
PH 07 4657 2666: Caretaker 07 4657 1195. ARO 0448 002 338 (H24):  
0428 349 159: 0487 280 909: 0427 570 189 (H24).

1430508E  
VAR 7 DEG E

UTC +10  
YWTN  
CERT

REMARKS

1. AD Charges: Nil

2. This AD is a Security Controlled Airport.

HANDLING SERVICES AND FACILITIES

IOR Aviation: JET A1 and AVGAS AVBL via bowser. Phone 07 4657 1195, 0427 966 516. Payment through IOR pay tab or Fuelcharge APP.

PASSENGER FACILITIES

1. PT/LG/WC/AC - Phone 07 4657 1466 or 0427 571 106.
2. Telstra mobile network coverage only at AD.

AERODROME OBSTACLES

Unlit secondary WDI 110M NE of RWY 14/32 infringes TNS by 10FT based on a 150M ungraded RWS at the NW end.

METEOROLOGICAL INFORMATION PROVIDED

TAF CAT D, METAR/SPECI.

PHYSICAL CHARACTERISTICS

|       |     |     |                                      |        |         |
|-------|-----|-----|--------------------------------------|--------|---------|
| 05/23 | 052 | 29c | Black silt clay                      | WID 18 | RWS 60  |
| 14/32 | 142 | 46a | PCN 16 /F /B /900 (131PSI) /T Sealed | WID 30 | RWS 150 |

AERODROME AND APPROACH LIGHTING

|           |             |                              |                      |
|-----------|-------------|------------------------------|----------------------|
| RWY 14/32 | LIRL        | AFRU+PAL 126.7               | SDBY PWR AVBL        |
| RWY 14/32 | PAPI(2)     | AFRU+PAL 126.7 3.0 DEG50.4FT |                      |
| RWY 14/32 | PTBL(1)     |                              | BY PRIOR ARRANGEMENT |
| (1)       | EMERG only. |                              |                      |
| (2)       | Left side.  |                              |                      |

OTHER LIGHTING

Secondary PWR switchover time: 15 SEC.

ATS AND AERODROME COMMUNICATION FACILITIES

|     |                 |              |
|-----|-----------------|--------------|
| FIA | BRISBANE CENTRE | 122.1 6500FT |
|-----|-----------------|--------------|

CTAF - AFRU 126.7

ADDITIONAL INFORMATION

1. Perimeter security fencing.
2. Bird hazard may exist.

CHARTS RELATED TO THE AERODROME

1. WAC 3233.
2. Also refer to AIP Departure and Approach Procedures.

WOLGAN VALLEY HELIPORT

ELEV 1826

AVFAX CODE 2089

|                                                                                                                         |          |              |      |
|-------------------------------------------------------------------------------------------------------------------------|----------|--------------|------|
| NSW                                                                                                                     |          | UTC +10      | YWVR |
| 331513S                                                                                                                 | 1501116E | VAR 12 DEG E | UNCR |
| AD OPR Sydney HeliTours Pty Ltd, PO Box 46, Mascot, NSW, 1460. Email: bookings@sydneyhelitours.com.au. PH 02 9317 3402. |          |              |      |

REMARKS

- 1. Restricted OPS.
- 2. PPR from AD OPR.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA           BRISBANE CENTRE           133.05  
FIA           MELBOURNE CENTRE       135.25 4000 FT

CTAF 126.7

CHARTS RELATED TO THE AERODROME

- 1. WAC 3456.
- 2. Also refer AIP Departure and Approach Procedures.

WOLLONGONG HELIPORT

ELEV 15

FULL NOTAM SERVICE NOT AVBL

NSW  
342622S                           1505346E                           UTC +10                           YWHP  
AD OPR Touchdown Helicopters, Illawarra Regional Airport, Albion Park Rail, NSW, 2527.  
Email: info@touchdownhelicopters.com.au. PH 02 4257 7612 AH (Voice Menu Applies).  
Website: touchdownhelicopters.com.au.

VAR 13 DEG E                           UNCR

REMARKS

- 1. AD Charges: \$25 per landing.
- 2. PPR for all OPS - CTC AD OPR.
- 3. All amenities AVBL to visiting operators.

HANDLING SERVICES AND FACILITIES

JET A1 and AVGAS AVBL by prior arrangement. DLY 0800-1800 Local. AH call-out fee \$50.

APRONS AND TAXIWAYS

Concrete pad plus grass pads and parking areas.

AERODROME OBSTACLES

Floodlit towers 500M to SE of Heliport may be unlit at night.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA           SYDNEY CENTRE           124.55 Circuit Area

CTAF 127.3

CHARTS RELATED TO THE AERODROME

WAC 3456.

WONDAI

ELEV 1050

FULL NOTAM SERVICE NOT AVBL



QLD  
261703S                           1515141E                           UTC +10                           YWND  
AD OPR South Burnett Regional Council, PO Box 336, Kingaroy, QLD, 4610.  
PH 07 4189 9100: ALA 0448 184 992. Mobile 0488 911 187.

VAR 10 DEG E                           UNCR

PASSENGER FACILITIES

PT (EMERG use only).

AERODROME AND APPROACH LIGHTING

PAL 122.3 (PAL is activated using three times two to four SEC pulses WI a 24SEC period).

ATS AND AERODROME COMMUNICATION FACILITIES

FIA           BRISBANE CENTRE           124.6 4000FT

CTAF 126.7

CHARTS RELATED TO THE AERODROME

WAC 3340.

WONDOOLA

Qld

183430S

1405330E

AD OPR Wundoola Station, via Mt Isa, QLD, 4825. PH 07 4745 3441.

ELEV 190

FULL NOTAM SERVICE NOT AVBL

UTC +10

VAR 6 DEG E

YWDL

UNCR

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

BRISBANE CENTRE

118.6 Circuit Area

CTAF 126.7

CHARTS RELATED TO THE AERODROME

WAC 3220.

WOODIE WOODIE

WA

213843S

1211130E

AD OPR Pilbara Manganese Pty Ltd, PO Box 1220, West Perth, WA, 6872.  
Email: woodienpissupervisors@consminerals.com.au. PH On site 08 9460 7095. ARO 08 9460 7037. ARO AH Emergency 08 9460 7068.

ELEV 889

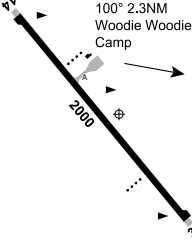
AVFAX CODE 6823

UTC +8

VAR 2 DEG E

YWWI

CERT



100° 2.3NM  
Woodie Woodie  
Camp

200°

REMARKS

1. Restricted OPS: PPR from AD OPR.

2. Day OPS only.

3. No mobile coverage on site.

HANDLING SERVICES AND FACILITIES

Ground handling agents. Contact ARO.  
Fuel facilities: Limited JET A1. Private installation. Contact ARO.

PASSENGER FACILITIES

LG/WC.

AERODROME OBSTACLES

Lit mast 1,042FT AMSL BRG 103 DEG MAG 3,329M FM ARP. Infringes inner HZS by 7FT.

PHYSICAL CHARACTERISTICS

14/32

139 66a PCN 31 /F /A /1000 (145PSI) /T

WID 30 RWS 150

AERODROME AND APPROACH LIGHTING

RWY 14/32

PAPI(1)

3.0 DEG48FT

RWY 14/32

PTBL(2)

BY PRIOR ARRANGEMENT

(1) Left hand side. 30MIN PN to ARO.

(2) EMERG only 90MIN PN to ARO.

1. RWY edge light spacing: RWY 14/32: 90M apart (PTBL).

2. RWY 14 PAPI units located 430M from RWY 14 THR due 1.47% downward slope - reduced landing distance may be applicable.

3. No mains power AVBL - power supply via on site generator.

OTHER LIGHTING

TWY LGT: Nil.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA

MELBOURNE CENTRE

134.5 Not AVBL on Ground

UNICOM

WOODIE WOODIE

128.9

UNICOM

LOCAL TRAFFIC REGULATIONS

1. All ACFT ABV 5,700KG MTOW must use turning nodes for 180DEG turns at MAX radius, MNM speed.

2. ACFT must follow lead-in lines.

3. RWY 32: all ACFT ABV 5,700KG MTOW must run-out to turning node when landing.

4. RWS not maintained for ACFT OPS.

CTAF 126.7

## ADDITIONAL INFORMATION

Blasting scheduled daily however occurs intermittently. Approval must be obtained from ARO or airport manager prior to blasting.

## CHARTS RELATED TO THE AERODROME

1. WAC 3230.
2. Also refer to AIP Departure and Approach Procedures.

## WOOMERA

**ELEV 549**

### AVFAX CODE 5104

SA

UTC +9:30

YPWR

310839S

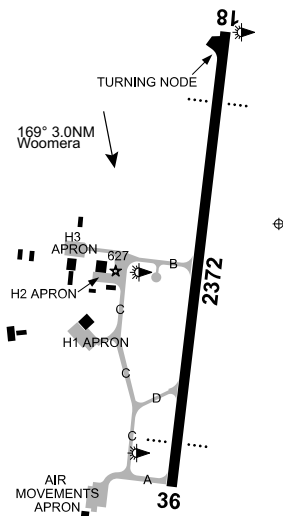
1364901E

VAR 7 DEG E

MIL

AD OPR 20SQN Airbase Command Post (ABCP), Woomera, SA, 5720. PH AD MGR 0438 450 613

H24. Airspace enquires 08 8674 3370 H24.



## REMARKS

1. MIL exclusive AD - no public access.
2. No aircraft is to enter WRX without prior landing and/or airspace approval and an ATC clearance.
  - a. PPR from AD OPR for all ACFT conducting AWK in the confines of R222F at all times.
  - b. RQ to quote landing approval. NR obtained from AD MGR.
3. Processing of ACFT and PAX must be conducted at the Air Movements Terminal building unless directed otherwise by AD MGR.
4. ACFT not to proceed to hangar area until cleared to do so. PPR 48HR PN. HR as per NOTAM.
5. REQ for passenger security clearances to be made with 7 days PN. Message requests for clearance into Woomera should be emailed to AFTRSQN: [wsc.ops@defence.gov.au](mailto:wsc.ops@defence.gov.au) or PH AFTRSQN duty mobile 0482 638 621.
6. Due to refuelling contractual requirements visiting crew must plan to refuel own ACFT. 48HR PN REQ if unable. CTC AFTRSQN duty mobile for further information.

## HANDLING SERVICES AND FACILITIES

AD OPR HR 2200-0700 UTC MON-THU, 2200-0230 UTC FRI (1HR earlier during HDS). FAC may be unmanned outside AD HR. 24HR PN. AH call-out fee applies. PH 0482 638 621. AVTUR F34. AVGAS AVBL by eCSR drum stock only. Refuelling fees apply. E10, E13. ACFT lavatory service and potable water not AVBL.

APRONS AND TAXIWAYS

- 1. TWY A - PCN 46 WID 15M.
- 2. TWY B, TWY C and TWY D - PCN 30 WID 15M.
- 3. AMS APN Eastern half - PCN 46, Western half - PCN 15.
- 4. APN H1, APN H2 and APN H3 - PCN 30.

AERODROME OBSTACLES

- 1. Sinkholes and rabbit burrows of varying size can occur anywhere within the RWS, and may be a hazard during a RWY excursion. Not all holes will be marked, and may also be hidden by vegetation.
- 2. Masts:
  - a. 695FT AMSL 175 DEG MAG 2.9NM FM ARP.
  - b. 855FT AMSL 182 DEG MAG 6.4NM FM ARP.
- 3. Windsocks:
  - a. 562FT AMSL 090 DEG MAG 0.1NM FM THR RWY 18.
  - b. 570FT AMSL 275 DEG MAG 0.1NM FM THR RWY 36.

METEOROLOGICAL INFORMATION PROVIDED

- 1. TAF CAT B, METAR/SPECI, AD WRNG.
- 2. AWIS PH 08 8150 3820 - Report faults to BoM.

PHYSICAL CHARACTERISTICS

- 18/3617978aPCN 46 /F /B /1750 (254PSI) /U GroovedWID 45RWS 150
- 1. Turning node for RWY 18 located W of THR. Unmarked pad. PCN 42.
  - 2. Open swale drains 45M FM CL.

AERODROME AND APPROACH LIGHTING

RWY 18/36MIRLAFRU+PAL 118.3SDBY PWR AVBL

RWY 18/36PAPIAFRU+PAL 118.33.0 DEG48FTSDBY PWR AVBL

RWY 18/36 edge light spacing: 49.5M.

OTHER LIGHTING

- ABNALTN 3 WG246/0.47
- 1. SDBY PWR Switchover time: 3-5 SEC.
  - 2. TWY LGT: Green CL.
  - 3. Turning node LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

FIAMELBOURNE CENTRE122.0 On Ground

TWRWOOMERA TOWER(1)118.3 257.8

(1)TWR manned infrequently for RAAF trials. ML Centre on 122.0 when TWR closed.

RADIO NAVIGATION AND LANDING AIDS

NDB WR 248310836.5S1364829.7ERange 125 (HN 85)(1)

(1)Pilot monitored - 088/0.5 to ARP.

LOCAL TRAFFIC REGULATIONS

- 1. SPECIAL REQUIREMENT - WOOMERA, AD AND WRX RESTRICTED AREAS WHEN ACTIVE
  - 1.1. Airspace entry approval is RQ when WRX area is activated by NOTAM, REQ for entry RQ 2 working days PN. LDG approval RQ for Woomera AD at all times. REQ for landing approval number RQ 2 working days PN.
  - 1.2. Landing and/or airspace approval number must be noted in RMKS field of FPL.
  - 1.3. Landing approval does not constitute a clearance into WRX.



- 1.4. Provide FLW INFO in REQ for both ARR and DEP REQ:
  - a. radio callsign;
  - b. aircraft type;
  - c. place of departure;
  - d. destinations;
  - e. landing places;
  - f. estimated off blocks time;
  - g. time intervals;
  - h. flight levels;
  - i. name of crew;
  - j. names of passengers;
  - k. reason for flight; and
  - l. date of flight.
2. Pilots of large ACFT to be aware that jet blast may cause a FOD hazard when ACFT access Air Movements APN via TWY A. Pilots shall REQ foreign object clearance of THR 36 and TWY A prior to DEP.

## FLIGHT PROCEDURES

Right hand CCTS RWY 36 due R275.

### CTAF - AFRU 118.3

Outside TWR HR.

## ADDITIONAL INFORMATION

1. Animal hazard exists.
2. Weather balloon launch APRX 2315 UTC FM 1.4KM SW ARP. Launches may occur at other times.
3. **WARNING:** Whilst Woomera Restricted Areas (WRX) are active, military operations conducted within, pose a significant flight safety risk to other aircraft. Operations may include weapon and/or flare release, supersonic flight, laser emissions, large scale explosive trials or rocket firings. Operations occur within the vertical and horizontal limits of the WRX, for the duration of activation period. No aircraft is to enter WRX without prior landing and/or airspace approval and an ATC clearance.

## CHARTS RELATED TO THE AERODROME

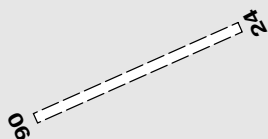
1. WAC 3354.
2. MIL Aerodrome Obstruction Chart Type A: RWY 18/36 AUG 2016.
3. WOOMERA Planning Special - Reference only AVBL FM AD OPR for MIL pilots.
4. Also refer to AIP Departure and Approach Procedures.

## WROTHAM PARK

ELEV 500

### FULL NOTAM SERVICE NOT AVBL

QLD  
163929S 1440003E UTC +10 YWMP  
AD OPR Australian Agricultural Co, Wrotham Park Station, PMB 24, Cairns Mail Centre, QLD, 4877. PH 07 4094 8333. UNCR



### HANDLING SERVICES AND FACILITIES

Private Supply: DLY HJ. Phone 07 4094 8333. Limited supply - private stocks. AVGAS.

## ATS AND AERODROME COMMUNICATION FACILITIES

FIA BRISBANE CENTRE 123.8 Circuit Area

### CTAF 126.7

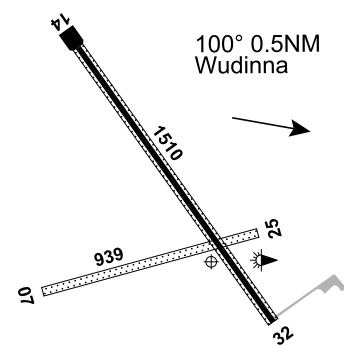
## CHARTS RELATED TO THE AERODROME

WAC 3219, 3220.

WUDINNA

AVFAX CODE 5302

ELEV 310



SA 330236S 1352650E UTC +9:30 YWUD  
AD OPR Wudinna District Council, PO Box 6, Wudinna, SA, 5652. PH 08 8680 2002: CERT  
EMERG Airport Manager 0427 802 358.

**HANDLING SERVICES AND FACILITIES**  
Flying Fuels - 24/7 AVGAS 100 AVBL, all itinerant customers welcome. PH 0412 602 447.

**METEOROLOGICAL INFORMATION PROVIDED**  
1. METAR/SPECI.  
2. AWIS PH 08 8150 3821 - Report faults to BoM.

**PHYSICAL CHARACTERISTICS**

|       |     |     |                                |        |        |
|-------|-----|-----|--------------------------------|--------|--------|
| 07/25 | 068 | 31c | Unrated. Gravel                | WID 18 | RWS 90 |
| 14/32 | 138 | 50c | Unrated. Central 18(60) Sealed | WID 30 | RWS 90 |

**AERODROME AND APPROACH LIGHTING**

|           |         |                      |
|-----------|---------|----------------------|
| RWY 07/25 | PTBL(1) | BY PRIOR ARRANGEMENT |
| RWY 14/32 | LIRL    | PAL 125.1            |
| RWY 14/32 | PTBL(1) | BY PRIOR ARRANGEMENT |

(1) EMERG only. 60MIN PN.  
RWY edge light spacing: 14/32: 90M.

**OTHER LIGHTING**

TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 125.9 6,000FT  
CTAF 126.7

**CHARTS RELATED TO THE AERODROME**

- WAC 3459.
- Also refer to AIP Departure & Approach Procedures.

**WUJAL WUJAL**

ELEV 43

**AVFAX CODE 4532**

**FULL NOTAM SERVICE NOT AVBL**

QLD 155654S 1451907E UTC +10 YWJL  
VAR 6 DEG E UNCR  
AD OPR Torres and Cape Hospital and Health Service, 100 Douglas St, Wujal Wujal, QLD, 4895.  
Email: vince.connellan@health.qld.gov.au. PH Director of Nursing 07 4083 9000 H24.  
Mobile 0407 738 705.

**REMARKS**

Private use.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 121.2  
CTAF 126.7

**CHARTS RELATED TO THE AERODROME**

- WAC 3112.
- Also refer to AIP Departure and Approach Procedures.

## WYANDRA

**ELEV 800**

**FULL NOTAM SERVICE NOT AVBL**

| Year | Number of people |
|------|------------------|
| 1990 | 60               |
| 2000 | 27               |

QLD UTC +10 YWYA  
271600S 1455924E VAR 9 DEG E UNCR  
AD OPR Paroo Shire Council, PO Box 75, Cunnamulla, QLD,  
4490. PH 07 4655 1777. Fax 4655 1647.

## ATS AND AERODROME COMMUNICATION FACILITIES

FIA BRISBANE CENTRE

124.8 Circuit Area

CTAF 126.7

## CHARTS RELATED TO THE AERODROME

WAC 3341.

**WYCHEPROOF**

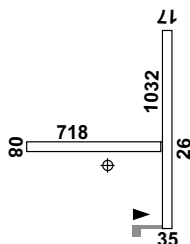
ELEV 350

**AVFAX CODE 3045**

VIC 360332S 1431436E UTC +10 VAR 10 DEG E YWYF CERT  
AD OPR Buloke Shire Council, PO Box 1, Wycheproof, VIC, 3527.  
PH 1300 520 520. Fax 03 5493 7395.

## AERODROME OBSTACLES

1. Lit OBST on high ground 530FT AMSL, 2,100M SW of ARP infringes HZS.
2. Lit mast 585FT AMSL, 1.990M WSW THR RWY 08.



## PHYSICAL CHARACTERISTICS

|       |     |     |                                   |        |        |
|-------|-----|-----|-----------------------------------|--------|--------|
| 08/26 | 080 | 24c | Unrated. Grassed brown silt clay. | WID 30 | RWS 90 |
| 17/35 | 170 | 34c | Unrated. Grassed brown silt clay. | WID 30 | RWS 90 |

## ATS AND AERODROME COMMUNICATION FACILITIES

FIA MELBOURNE CENTRE

### 125.8 Circuit Area

**CTAF 126.7**

## CHARTS RELATED TO THE AERODROME

WAC 3469.

## WYNDHAM

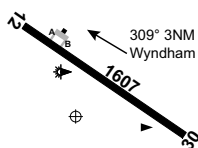
ELEV 15

**AVFAX CODE 6915**

WA UTC +8 YWYM  
153041S 1280911E VAR 2 DEG E CERT  
AD OPR Shire of Wyndham East-Kimberley, PO Box 614, Kununurra, WA,  
6743. Email: airports@swek.wa.gov.au. PH AD Manager 08 9166 2501.  
ARO 0400 990 204; Fax 08 9161 1172. Council PH 08 9168 4100.

## REMARKS

AD Charges: All ACFT



## AERODROME OBSTACLES

1. WX tower 47FT AMSL BRG 346 MAG 0.41NM FM ARP (ADJ western side of APN).
2. LIOL lit terrain:
  - a. Aerodrome Hill 95FT AMSL BRG 058 MAG 0.342NM FM ARP.
  - b. Twin Peak N 122FT AMSL BRG 098 MAG 0.937NM FM ARP.
  - c. Twin Peak S 88FT AMSL BRG 103 MAG 0.873NM FM ARP.
3. MIOL lit terrain:
  - a. Erskine Range E 460FT AMSL BRG 168 MAG 1.283NM FM ARP.
  - b. Erskine Range W 290FT AMSL BRG 176 MAG 1.06NM FM ARP.

**METEOROLOGICAL INFORMATION PROVIDED**

1. METAR/SPECI.
2. AWIS PH 08 6216 2642 - Report faults to BoM.

**PHYSICAL CHARACTERISTICS**

12/30 122 53a PCN 8 /F /C /450 (65PSI) /U Sealed

WID 18 RWS 90

**AERODROME AND APPROACH LIGHTING**

RWY 12/30 LIRL(1) AFRU+PAL 128.0

SDBY PWR AVBL

(1) SDBY PWR AVBL with 1HR PN to ARO.

Nil MAN OPR.

**OTHER LIGHTING**

TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE

122.4 3500FT

**FLIGHT PROCEDURES**

1. Right hand CCTS RQ when OPR on RWY 12.
2. Hang glider OPS are conducted from Mt Bastion/Five Rivers Lookout, 4NM NW of Wyndham. Hang gliders to remain at least 1NM FM extended RCL of RWY 12/30.
3. For special procedures which apply to the Horizontal Falls, see *ERSA GEN - SPECIAL PROCEDURES*.

**CTAF - AFRU 128.0****CHARTS RELATED TO THE AERODROME**

1. WAC 3108.
2. Also refer to AIP Departure and Approach Procedures.

**WYNYARD****ELEV 63****AVFAX CODE 7010**

TAS

405956S

1454352E

UTC +10

VAR 13 DEG E

YWYY

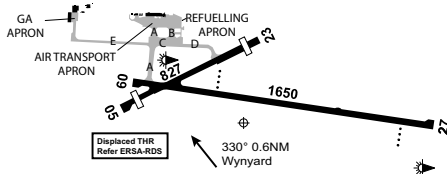
CERT

AD OPR Burnie Airport Corporation, PO Box 420, Wynyard, TAS, 7325.

Email: admin@burnieairport.com.au. PH 03 6442 1133 (ADMIN/OPS). Mobile 0408 551 440

(on call Duty EMERG Officer - if not answered ring 0419 369 404): 0419 369 404 (ADMIN).

Website: www.burnieairport.com.au.

**REMARKS**

1. AD Charges: All ACFT
2. This AD is a Security Controlled Airport.
3. Hi VIS vest or equivalent and valid ASIC to Burnie airport issued VIC must be worn/ displayed airside.

**HANDLING SERVICES AND FACILITIES**

Ground Handling Agents: TSM Airport Services CTC 0498 954 921 and AusFlight Handling CTC 0448 273 509.

World Fuel Services: AVTAS Fuels Pty Ltd. 0600-1800 Local (subject to change in line with airline schedules). CTC 0418 504 359. AVGAS 24HR carnet card and credit card (via smartphone app) activated bowser and JET A1 (tanker) AH call-out fee may apply with 1HR PN. ACFT not refuelled on un-paved areas.

**PASSENGER FACILITIES**

TX (03 6431 2199) HC (Avis, Europcar, Hertz, Thrifty and Dollar)/LG/RF (0456 528 357)/WC/ME.

## APRONS AND TAXIWAYS

All designated aprons and TWY bitumen sealed.

## SURFACE MOVEMENT AND GUIDANCE

All taxi guidelines and APN parking restrictions indicated by painted pavement markings.

## AERODROME OBSTACLES

1. MIOL:
  - a. Busby's Hill ELEV 663FT, BRG 118 DEG 3.0NM FM ARP.
  - b. AM/FM radio TWR ELEV 652 FT, BRG 337 DEG 2.2NM FM ARP.
  - c. Broadcast Australia TWR ELEV 716FT BRG 338 DEG 2.7NM FM ARP.
2. LIOL - Optus TWR ELEV 288FT BRG 315 DEG 1.9NM FM ARP.

## METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT C, METAR/SPECI.
2. AWIS Phone 03 6283 8608 - Report faults to BoM.
3. AWIS FREQ 133.35 (requires one-second pulse to activate) - Report faults to AD OPR.

## PHYSICAL CHARACTERISTICS

|       |     |     |                                         |        |         |
|-------|-----|-----|-----------------------------------------|--------|---------|
| 05/23 | 051 | 27a | PCN 9 /F /A /600 (87PSI) /T Sealed      | WID 18 | RWS 60  |
| 09/27 | 086 | 54a | PCN 20 /F /A /1250 (181PSI) /T Grooved. | WID 30 | RWS 150 |

RWY 05/23 limited to ACFT BLW 5,700KG.

## AERODROME AND APPROACH LIGHTING

|           |      |                |             |               |
|-----------|------|----------------|-------------|---------------|
| RWY 09/27 | LIRL | AFRU+PAL 126.9 |             | SDBY PWR AVBL |
| RWY 09/27 | PAPI | AFRU+PAL 126.9 | 3.0 DEG41FT | SDBY PWR AVBL |

RWY edge light spacing: 09/27: 59M.

## OTHER LIGHTING

1. SDBY PWR Switchover time: 6 SEC.
2. TWY LGT: Blue Edge.
3. Taxi holding PSN LGT: Amber edge.
4. Blue edge LGT on RWY turn pads.

## ATS AND AERODROME COMMUNICATION FACILITIES

FIA MELBOURNE CENTRE 122.6 On Ground

## RADIO NAVIGATION AND LANDING AIDS

|     |     |     |           |            |                                           |
|-----|-----|-----|-----------|------------|-------------------------------------------|
| NDB | WYY | 302 | 405952.7S | 1454229.6E | Range 65 (HN 60) OW 160 (1)<br>(OW HN110) |
|-----|-----|-----|-----------|------------|-------------------------------------------|

(1) 071/1.0 to ARP.

## LOCAL TRAFFIC REGULATIONS

1. Parking restrictions apply to use of air transport apron.
2. Access to all bays requires prior permission from AD OPR.
3. Fuelling apron MAX wingspan 24M. Standing permitted only while refuelling.
4. Code C ACFT limited to use of TWY A, B and C (WID 15M) and main apron parking bay allocated by AD OPR.
5. Taxi on RWY 05/23 and TWY D (WID 10.5M) not AVBL to ACFT ABV 5,700KG except with AD OPR approval.
6. TWY E (WID 7.5M) and GA Apron not AVBL to ACFT ABV 5,700KG.

## FLIGHT PROCEDURES

Right Hand circuits RQ when OPR on RWY 23 and RWY 27.

## CTAF - AFRU 126.9

1. VHF COM between aircraft on ground Devonport & Wynyard may not be AVBL.  
*Note: Due to communication difficulty between Devonport and Wynyard for ACFT on GND, pilots are encouraged to make calls airborne and/or on departure, as appropriate, on the CTAF to enhance self help TFC INFO.*

## ADDITIONAL INFORMATION

1. CAUTION: Bird hazard exists October to February.
2. ACFT DEP RWY 23 in strong SW winds can expect downdraughts and moderate to SEV TURB.

1. WAC 3556.
2. Also refer to AIP Departure and Approach Procedures.

WAC 3340.

**YAM ISLAND****ELEV 15****AVFAX CODE 4533****FULL NOTAM SERVICE NOT AVBL**

QLD 95354S 1424618E UTC +10 YYMI  
AD OPR Torres Strait Island Regional Council, PO Box 7336, Cairns, QLD, 4870. PH 07 4034 5700. ARO 0475 247 248 (H24). UNCR

**REMARKS**

RESTRICTED OPS: PPR from AD OPR.

**AERODROME OBSTACLES**

TWR 458FT AMSL BRG 019 DEG MAG 332M FM RWY 29 THR. Marked and lit.

**PHYSICAL CHARACTERISTICS**

11/29 26a Unrated. Sealed WID 18 RWS 45

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA BRISBANE CENTRE 120.3 Circuit Area

**FLIGHT PROCEDURES**

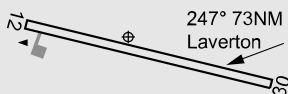
For special procedures which apply to Torres Strait biosecurity requirements, see ERSA GEN-SPECIAL PROCEDURES.

**CTAF** 126.7**CHARTS RELATED TO THE AERODROME**

WAC 3097.

**YAMARNA****ELEV 1449****AVFAX CODE 6405****FULL NOTAM SERVICE NOT AVBL**

WA 280918S 1234030E UTC +8 YYRN  
AD OPR Gold Road Resources Ltd, Level 2, 26 Colin Street, West Perth WA, 6005. UNCR  
Email: meakinsa@hotmail.com. PH 08 9200 1600: H24 08 6245 4213. ARO 08 6245 4213.

**REMARKS**

1. PPR, 120 MINS PN. CTC ARO.
2. AD AVBL MON-THU HJ only. 0700-1700 Local. AD not AVBL FRI-SUN EXC for EMERG.

**HANDLING SERVICES AND FACILITIES**

Nil fuel AVBL.

**AERODROME OBSTACLES**

Fences:

- a. RWY 12: 9M DIST OUT (1,550M FM SOT) and 1.22M ABV CWY.
- b. RWY 30: 2M DIST OUT (1,543M FM SOT) and 1.22M ABV CWY.

**PHYSICAL CHARACTERISTICS**

12/30 117 49c PCN 15 /F /B /900 (131PSI) /U Gravel WID 23 RWS 80

**AERODROME AND APPROACH LIGHTING**

RWY 12/30 PTBL(1) BY PRIOR ARRANGEMENT

(1) EMERG lighting AVBL with 120 MIN PN to ARO.

RWY edge light spacing: 12/30; 87M (PTBL).

**ATS AND AERODROME COMMUNICATION FACILITIES**

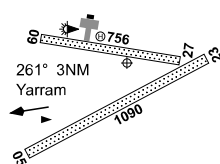
FIA MELBOURNE CENTRE 118.4

**LOCAL TRAFFIC REGULATIONS**

1. RWY 12/30: all fixed wing ACFT must make MAX RAD turns at MNM speed at all RWY ends to avoid SFC damage.
2. AFRU signal NOT AVBL at Yamarna. AFRU located at Tropicana.
3. PRKG by prior arrangement with AD OPR.
4. APN and TWY AVBL to single ACFT ABV 5,700KG MTOW when no other ACFT present.
5. No other ACFT allowed in ACFT ABV 5,700KG MTOW occupying APN or TWY.
6. ACFT ABV 5,700KG MTOW to use primary or secondary lead in lines partially marked on concrete pad.
7. All fixed wing ACFT to use idle power for movements on the APN with the exception of breakaway thrust to initiate taxi. ACFT that cannot comply with this restriction must advise the AD OPR prior to departure.
8. Day VMC OPS only.

**CTAF** 126.7**CHARTS RELATED TO THE AERODROME**

WAC 3352.

**YARRAM****ELEV 60****AVFAX CODE 3046**

VIC 383403S 1464516E UTC +10 YCRM  
VAR 13 DEG E CERT  
AD OPR Wellington Shire Council, PO Box 506, Sale, VIC, 3850.  
PH 1300 366 244. ARO 0429 825 266: 03 5182 5266. Fax 03 5142 3501.  
Website: [www.wellington.vic.gov.au/pages/airports](http://www.wellington.vic.gov.au/pages/airports).

**REMARKS**

AD Charges: RA Aus registered ACFT and ACFT below 1,550KG exempt.  
Current fees and conditions of use can be obtained FM AD OPR or website.

**HANDLING SERVICES AND FACILITIES**

AVGAS AVBL 24HR. Payment via IOR QuickPay app only. Contact IOR Aviation, phone 1800 414 012.

**METEOROLOGICAL INFORMATION PROVIDED**

1. METAR/SPECI.
2. AWIS PH 03 8470 3225 - Report faults to BoM.
3. AWIS FREQ 134.7 (requires one-second pulse to activate) - Report faults to AD OPR.

**PHYSICAL CHARACTERISTICS**

|       |     |     |                                   |        |        |
|-------|-----|-----|-----------------------------------|--------|--------|
| 05/23 | 050 | 36c | 5700/650 (94PSI) Unrated. Grass.  | WID 18 | RWS 60 |
| 09/27 | 086 | 25c | 5700/650 (94PSI) Unrated. Gravel. | WID 23 | RWS 80 |

**AERODROME AND APPROACH LIGHTING**

RWY 09/27 LIRL PAL 119.65 SDBY PWR AVBL  
RWY edge light spacing: 09/27: 90M.

**OTHER LIGHTING**

1. SDBY PWR switchover time: 15 SEC.
2. TWY LGT: Blue edge.

**ATS AND AERODROME COMMUNICATION FACILITIES**

FIA MELBOURNE CENTRE 124.0 On Ground

**LOCAL TRAFFIC REGULATIONS**

ACFT at opposite ends of RWY 05/23 may not be visible to each other.

**FLIGHT PROCEDURES**

Right hand circuits required for night OPS RWY 09.

**CTAF** 126.7



## ADDITIONAL INFORMATION

1. Ultra light ACFT movements at AD.
2. Bird hazard exists.
3. Turbulence and windshear hazard exists:
  - a. RWY 09 - when NE wind ABV 10KT;
  - b. RWY 27 - when NW wind ABV 10KT.

## CHARTS RELATED TO THE AERODROME

1. WAC 3470.
2. Also refer to AIP Departure and Approach Procedures.

## YARRAWONGA

**ELEV 424**

**AVFAX CODE 3005**

VIC

UTC +10

YYWG

360150S

1460140E

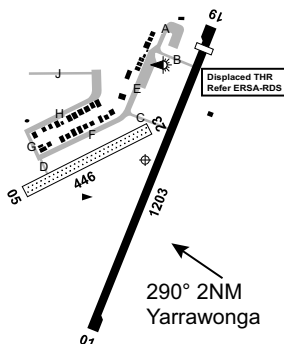
VAR 11 DEG E

CERT

AD OPR Moira Shire Council, PO Box 578, Cobram, VIC, 3644.

CERT

PH AD Manager/ARO 0428 752 274. Council PH 1300 369 966. Fax 03 5872 1567.



## HANDLING SERVICES AND FACILITIES

Fuel supplied by IOR Aviation Pty Ltd. JET A1 and AVGAS 100LL AVBL H24. Payment method via IOR Aviation tag for account holders or via the Fuelcharge APP. PH 1300 457 467.

## PASSENGER FACILITIES

1. WC/TX (03 5743 2111)/ME (0418 125 164, 0408 547 104).
2. The Terminal Building is available to pilots. To book this facility PH 03 5871 9222.

## AERODROME OBSTACLES

1. Transient vehicles on road 15FT AGL BRG 015 DEG MAG 560M FM ARP (160M N of THR RWY 19).
2. Fence 2.4FT AGL APRX BRG 242 DEG MAG 487M FM ARP. Infringes RWY 05/23 transitional SFC by 0.66FT.
3. Towers:
  - a. 475FT AMSL BRG 270 DEG MAG 467M FM ARP. Unlit.
  - b. 560FT AMSL BRG 359 DEG MAG 2,000M FM ARP. Lit.
  - c. 559FT AMSL BRG 229 DEG MAG 3,440M FM ARP. Lit.

**METEOROLOGICAL INFORMATION PROVIDED**

METAR/SPECI.

## PHYSICAL CHARACTERISTICS

|       |     |     |                                     |
|-------|-----|-----|-------------------------------------|
| 01/19 | 011 | 39a | PCN 9 /F /B /700 (102PSI) /T Sealed |
|-------|-----|-----|-------------------------------------|

WID 18 RWS 90

|       |     |     |                          |
|-------|-----|-----|--------------------------|
| 05/23 | 053 | 15c | Unrated. Natural surface |
|-------|-----|-----|--------------------------|

WID 18 RWS 60

## AERODROME AND APPROACH LIGHTING

RWY 01/19      LIRL      AFRU+PAL 126.7

RWY 01/19 edge light spacing: 60M.

OTHER LIGHTING

TWY LGT: Blue edge.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA                      MELBOURNE CENTRE                      125.2 Circuit Area

LOCAL TRAFFIC REGULATIONS

1.

DTHR RWY 19 due obstacle clearance approach gradients.

2.

RWY 05/23 MTOW 3,000KG.

3.

Long term PRKG (3+ days) on grass PRKG area off TWY B, ADJ to wind sock.

4.

No ACFT PRKG on TWY at Terminal Building area. Drop-off and pick-up only.

5.

TWY F and northern half of TWY E MAX 12M wingspan.

6.

Due to single lane and obstructed visibility, all TFC using TWY G to check for oncoming ACFT and BCST intention.

CTAF - AFRU 126.7

ADDITIONAL INFORMATION

1.

Mobile agricultural irrigator may be in vicinity of APCH to RWY 19.

2.

Caution: R363 Mulwala (1.15NM RAD/2,000FT centred on 355840S 1455844E, H24).

3.

Seasonal bird hazard (masked lapwings, plovers and large flock of corellas) at AD.

CHARTS RELATED TO THE AERODROME

1.

WAC 3470.

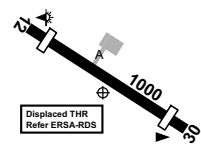
2.

Also refer to AIP Departure and Approach Procedures.

YORKE ISLAND

ELEV 11

AVFAX CODE 4504



QLD

94512S

1432418E

UTC +10

VAR 5 DEG E

YYKI

CERT

AD OPR Torres Strait Island Regional Council, PO Box 7336, Cairns, QLD, 4870. PH 07 4034 5700. ARO 0437 196 306 (H24).

REMARKS

RESTRICTED OPS: PPR from AD OPR.

SURFACE MOVEMENT GUIDANCE

Holding point markings not AVBL.

AERODROME OBSTACLES

TWR lit 425FT AMSL PSN 094513.42S 1432359.59E APRX BRG 260 610M FM ARP.

PHYSICAL CHARACTERISTICS

12/30                      117    33b    Unrated. Concrete pavers                      WID 18    RWS 60

ATS AND AERODROME COMMUNICATION FACILITIES

FIA                      BRISBANE CENTRE                      120.3 Circuit area

FLIGHT PROCEDURES

For special procedures which apply to Torres Strait biosecurity requirements, see ERSA GEN - SPECIAL PROCEDURES.

CTAF 126.7

CHARTS RELATED TO THE AERODROME

1.

WAC 3097.

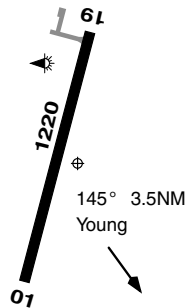
2.

Also refer to AIP Departure and Approach Procedures.

YOUNG

ELEV 1267

AVFAX CODE 2133



NSW  
341520S                      1481453E                      UTC +10  
AD OPR Hilltops Council, Locked Bag 5, Young, NSW, 2594.  
PH 1300 445 586. PH AH 02 6382 4181. Fax 02 6380 1299.

YYNG  
CERT

HANDLING SERVICES AND FACILITIES

AD Local Fuel Info: Phone 0428 693 365.  
Aero Refuellers: AVGAS bowser accepts Aero Refuellers carnet card, V, MC (debit and credit) 02 6041 1599 BH.

METEOROLOGICAL INFORMATION PROVIDED

1.        TAF CAT D, METAR/SPECI.  
2.        AWIS Phone 02 9353 6462 - Report faults to BoM.  
3.        AWIS FREQ 124.65 - Report faults to AD OPR.

PHYSICAL CHARACTERISTICS

01/19                      003   40a   PCN 9 /F /A /1000 (145PSI) /T Sealed                      WID 18        RWS 90

AERODROME AND APPROACH LIGHTING

RWY 01/19        LIRL(1)        PAL 126.7

(1)        PAL - three one second bursts

RWY edge light spacing: 01/19: 90M.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA                      MELBOURNE CENTRE                      135.25 Circuit Area

CTAF 126.7

ADDITIONAL INFORMATION

CAUTION: Bird and animal hazard exists.

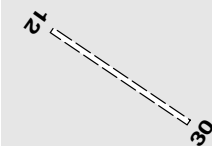
CHARTS RELATED TO THE AERODROME

1.        WAC 3456, 3457.  
2.        Also refer to AIP Departure and Approach Procedures.

YUENDUMU

ELEV 2205

AVFAX CODE 8408



NT  
221515S                      1314656E                      UTC +9:30  
AD OPR Yuendumu Community Government Council, via Alice Springs, NT, 0872. ARO 08 8956 4000: 8956 4095. ARO AH 08 8956 4025: 8956 4065.

YYND  
UNCR

REMARKS

This AD is a Security Controlled Airport.

HANDLING SERVICES AND FACILITIES

2230-0730 UTC. AVGAS and JET A1 drums only. Phone 08 8956 4040 O123 O125.

PASSENGER FACILITIES

Telephone facilities not AVBL.

AERODROME OBSTACLES

Unlit tower located 74 DEG MAG, 0.9NM 187FT.

METEOROLOGICAL INFORMATION PROVIDED

TAF CAT D.

ATS AND AERODROME COMMUNICATION FACILITIES

FIA                      MELBOURNE CENTRE                      119.8 FL165

**CTAF 126.7**

**CHARTS RELATED TO THE AERODROME**

WAC 3231.

## SPECIAL USE AIRSPACE (SUA)

### 1. GENERAL INFORMATION

- 1.1. Information regarding SUA areas is published in *AIP ENR 1.4* and the *DAH*.
- 1.2. Time throughout this section is normally shown in UTC. Where Local time is intended it will be followed by Local.
- 1.3. Hours of operation referring to public holidays refers only to national holidays as listed in *AIP GEN 2.1*. Any other holidays affecting activation will be specified by NOTAM.

### 2. MILITARY AIRSPACE GROUPS

- 2.1. SUA belonging to Military Airspace Groups will be indicated in brackets with a group code alongside the SUA IDENT, e.g. R129 (PEX).
- 2.2. Military Airspace Groups define a group of SUA areas for NOTAM briefing.
- 2.3. Military Airspace Group codes, e.g. PEX can be used in NAIPS location briefings, SPFIB and on the Pilot Website Restricted Area Briefing Tool.

### 3. CONDITIONAL RESTRICTED AREA (RA) STATUS

- 3.1. In order to assist with shared use of airspace, all RA have been allocated a RA conditional status. This will be an indication as to the likelihood of obtaining a clearance to fly through restricted airspace. NOTAM may be issued to indicate changes to the RA conditional status, which should be checked prior to flight planning.

#### 3.2. RA conditional status legend

- a. RA1: pilots may flight plan through the RA and under normal circumstances expect a clearance from ATC.
- b. RA2: pilots must not flight plan through the RA unless on a route specified in *GEN-FPR* or under agreement with the Department of Defence, however a clearance from ATC is not assured. Other tracking may be offered through the RA on a tactical basis.
- c. RA3: pilots must not flight plan through the RA and clearances will not be available.  
*Note: In a declared emergency, every effort will be made to obtain approval to transit a RA, irrespective of its conditional status.*

### 4. MILITARY OPERATING AREAS (MOA)

- 4.1. MOA are a subset of danger areas. They are primarily established outside Australian territory in Australian administered airspace for use by the Australian Defence Force for military training and exercises.
- 4.2. Outside Australian territory, only Australian registered aircraft are restricted from entering MOA unless they have Administering Authority approval. Within Australian territory, both foreign registered and Australian registered aircraft are restricted from entering MOA unless they have Administering Authority approval.
- 4.3. It is highly recommended that foreign registered aircraft make appropriate safety contact with the relevant Administering Authority if they choose to enter an active MOA outside Australian territory.

### 5. SUA ACRONYM LIST

|            |                                                                                        |
|------------|----------------------------------------------------------------------------------------|
| ACFR       | Australian Centre for Field Robotics, Sydney University                                |
| ANSTO      | Australian Nuclear Science and Technology Organisation                                 |
| BCP        | Base Command Post                                                                      |
| CSIRO      | Commonwealth Scientific and Industrial Research Organisation                           |
| DEFENCE    | Department of Defence (switchboard)                                                    |
| DO         | Duty Officer                                                                           |
| DOTAM      | Director of Training Area Management                                                   |
| EODF       | Explosive Ordnance Defence Flight                                                      |
| FLTCDR     | Flight Commander                                                                       |
| GBRMPA     | Great Barrier Reef Marine Park Authority                                               |
| JACC       | Joint Airspace Control Cell                                                            |
| MSCSPO NCS | Maritime Strategic Communications, System Program Office, Naval Communications Station |
| OC         | Officer Commanding                                                                     |
| OIC        | Officer in Charge                                                                      |
| OPSO       | Operations Officer                                                                     |
| RCO        | Range Control Officer                                                                  |
| RSU        | Radar Support Unit                                                                     |
| SRPSU      | School of Radio Physics, Sydney University                                             |

**6. RESTRICTED AREAS**

| <b>IDENT</b>                                                                                       | <b>STATUS</b> | <b>LIMIT</b>  | <b>HOUR</b>                                     | <b>AUTHORITY</b>                  | <b>ACTIVITY</b>               |
|----------------------------------------------------------------------------------------------------|---------------|---------------|-------------------------------------------------|-----------------------------------|-------------------------------|
| R122                                                                                               | RA3           | SFC - 3000    | H24                                             | (103) MSCSPO NCS Harold E Holt    | COMMUNICATIONS                |
| R124                                                                                               | RA3           | SFC - 1000    | H24                                             | (103) MSCSPO NCS Harold E Holt    | COMMUNICATIONS                |
| R125A                                                                                              | RA3           | SFC - 1500    | H24                                             | (109) XO 1SSU                     | COMMUNICATIONS                |
| R125B                                                                                              | RA3           | 1500 - FL135  | H24                                             | (109) XO 1SSU                     | COMMUNICATIONS                |
| R125C                                                                                              | RA3           | FL135 - FL200 | H24                                             | (109) XO 1SSU                     | COMMUNICATIONS                |
| R129(PEX)                                                                                          | RA2           | SFC - 5000    | NOTAM                                           | (79) Army DOTAM WA                | MILITARY NON-FLYING           |
| R131A                                                                                              | RA3           | SFC - UNL     | H24                                             | (68) Geoscience Australia         | LASER RADIATION OCULAR HAZARD |
| R131B                                                                                              | RA3           | 5000 - UNL    | H24                                             | (68) Geoscience Australia         | LASER RADIATION OCULAR HAZARD |
| R131C                                                                                              | RA3           | 10000 - UNL   | H24                                             | (68) Geoscience Australia         | LASER RADIATION OCULAR HAZARD |
| R131D                                                                                              | RA3           | FL150 - UNL   | H24                                             | (68) Geoscience Australia         | LASER RADIATION OCULAR HAZARD |
| R131E                                                                                              | RA3           | FL250 - UNL   | H24                                             | (68) Geoscience Australia         | LASER RADIATION OCULAR HAZARD |
| R131F                                                                                              | RA3           | FL350 - UNL   | H24                                             | (68) Geoscience Australia         | LASER RADIATION OCULAR HAZARD |
| R131G                                                                                              | RA3           | FL450 - UNL   | H24                                             | (68) Geoscience Australia         | LASER RADIATION OCULAR HAZARD |
| Note: Contact tracking station (08) 99291011 for entry details - (08) 99271760 if above unattended |               |               |                                                 |                                   |                               |
| R134A(PEX)                                                                                         | RA2           | SFC - 5000    | NOTAM                                           | (79) Army DOTAM WA                | MILITARY NON-FLYING           |
| R134B(PEX)                                                                                         | RA2           | SFC - 9000    | NOTAM                                           | (79) Army DOTAM WA                | MILITARY NON-FLYING           |
| R134C(PEX)                                                                                         | RA3           | SFC - 4000    | H24                                             | (79) Army DOTAM WA                | MILITARY NON-FLYING           |
| R134D(PEX)                                                                                         | RA2           | 4000 - 10000  | NOTAM                                           | (79) Army DOTAM WA                | MILITARY NON-FLYING           |
| R135                                                                                               | RA3           | SFC - 8200    | H24                                             | (98) 1RSU OPS FLTCDR              | MILITARY NON-FLYING           |
| R140A                                                                                              | RA3           | SFC - 1500    | H24                                             | (76) Navy HMAS Stirling           | MILITARY NON-FLYING           |
| R140B(SNX)                                                                                         | RA3           | 1500 - 4000   | NOTAM                                           | (76) Navy HMAS Stirling           | MILITARY NON-FLYING           |
| R153A(PEX)                                                                                         | RA2           | SFC - 2000    | NOTAM                                           | (67) FLTCDR 453SQN PEARCE         | MILITARY FLYING               |
| R153B(PEX)                                                                                         | RA2           | SFC - 3500    | NOTAM                                           | (67) FLTCDR 453SQN PEARCE         | MILITARY FLYING               |
| R153C(PEX)                                                                                         | RA2           | SFC - 4500    | NOTAM                                           | (67) FLTCDR 453SQN PEARCE         | MILITARY FLYING               |
| R153D(PEX)                                                                                         | RA2           | SFC - 6500    | NOTAM                                           | (67) FLTCDR 453SQN PEARCE         | MILITARY FLYING               |
| R155A(PEX)                                                                                         | RA2           | SFC - FL160   | NOTAM                                           | (67) FLTCDR 453SQN PEARCE         | MILITARY FLYING               |
| R155B(PEX)                                                                                         | RA2           | SFC - FL160   | NOTAM                                           | (67) FLTCDR 453SQN PEARCE         | MILITARY FLYING               |
| R156(PEX)                                                                                          | RA2           | 4000 - FL160  | NOTAM                                           | (67) FLTCDR 453SQN PEARCE         | MILITARY FLYING               |
| R163(PEX)                                                                                          | RA2           | 4500 - NOTAM  | NOTAM                                           | (67) FLTCDR 453SQN PEARCE         | MILITARY FLYING               |
| R179(PEX)                                                                                          | RA3           | NOTAM - NOTAM | NOTAM                                           | (67) FLTCDR 453SQN PEARCE         | MILITARY FLYING/NON-FLYING    |
| R184(LNX)                                                                                          | RA3           | SFC - 4000    | NOTAM                                           | (76) Navy HMAS Stirling           | MILITARY FLYING/NON-FLYING    |
| R189(SNX)                                                                                          | RA2           | SFC - 4500    | NOTAM                                           | (76) Navy HMAS Stirling           | MILITARY FLYING/NON-FLYING    |
| R203A(DSX)                                                                                         | RA2           | SFC - 4000    | MON-FRI 2000-1300 EXC PH or as amended by NOTAM | (105) Army RCO Kangaroo Flat      | MILITARY FLYING/NON-FLYING    |
| R203B(DSX)                                                                                         | RA2           | 4000 - NOTAM  | NOTAM                                           | (105) Army RCO Kangaroo Flat      | MILITARY FLYING/NON-FLYING    |
| R211(TNX)                                                                                          | RA3           | SFC - 9500    | NOTAM                                           | (58) FLTCDR 452SQN TINDAL         | MILITARY NON-FLYING           |
| R212(TNX)                                                                                          | RA3           | SFC - 9500    | NOTAM                                           | (58) FLTCDR 452SQN TINDAL         | MILITARY NON-FLYING           |
| R215                                                                                               | RA3           | SFC - FL180   | H24                                             | (82) Australian Chief of Security | SATELLITE TRACKING FACILITY   |
| R221                                                                                               | RA3           | SFC - UNL     | NOTAM                                           | (92) Airlservices Australia       | LASER RADIATION OCULAR HAZARD |
| R222A(WRX)                                                                                         | RA2           | SFC - UNL     | NOTAM                                           | (54) Air Force RCO WOOMERA        | MILITARY FLYING/NON-FLYING    |
| R222B(WRX)                                                                                         | RA2           | SFC - UNL     | NOTAM                                           | (54) Air Force RCO WOOMERA        | MILITARY FLYING/NON-FLYING    |
| R222C(WRX)                                                                                         | RA2           | SFC - UNL     | NOTAM                                           | (54) Air Force RCO WOOMERA        | MILITARY FLYING/NON-FLYING    |
| R222D(WRX)                                                                                         | RA2           | SFC - UNL     | NOTAM                                           | (54) Air Force RCO WOOMERA        | MILITARY FLYING/NON-FLYING    |
| R222E(WRX)                                                                                         | RA2           | SFC - UNL     | NOTAM                                           | (54) Air Force RCO WOOMERA        | MILITARY FLYING/NON-FLYING    |
| R222F(WRX)                                                                                         | RA2           | SFC - UNL     | NOTAM                                           | (54) Air Force RCO WOOMERA        | MILITARY FLYING/NON-FLYING    |
| R222G(WRX)                                                                                         | RA2           | SFC - UNL     | NOTAM                                           | (54) Air Force RCO WOOMERA        | MILITARY FLYING/NON-FLYING    |
| R222H(WRX)                                                                                         | RA2           | SFC - UNL     | NOTAM                                           | (54) Air Force RCO WOOMERA        | MILITARY FLYING/NON-FLYING    |
| R222I(WRX)                                                                                         | RA2           | SFC - UNL     | NOTAM                                           | (54) Air Force RCO WOOMERA        | MILITARY FLYING/NON-FLYING    |
| R222J(WRX)                                                                                         | RA2           | SFC - UNL     | NOTAM                                           | (54) Air Force RCO WOOMERA        | MILITARY FLYING/NON-FLYING    |
| R224A                                                                                              | RA2           | SFC - FL195   | NOTAM                                           | (105) Army RCO Mt Bunday          | MILITARY FLYING/NON-FLYING    |
| R224B                                                                                              | RA2           | FL195 - NOTAM | NOTAM                                           | (105) Army RCO Mt Bunday          | MILITARY FLYING/NON-FLYING    |
| R225A(TNX)                                                                                         | RA2           | 9500 - FL600  | NOTAM                                           | (58) FLTCDR 452SQN TINDAL         | MILITARY FLYING               |
| R225B(TNX)                                                                                         | RA2           | 9500 - FL600  | NOTAM                                           | (58) FLTCDR 452SQN TINDAL         | MILITARY FLYING               |
| R225C(TNX)                                                                                         | RA2           | 9500 - FL600  | NOTAM                                           | (58) FLTCDR 452SQN TINDAL         | MILITARY FLYING               |
| R225D(TNX)                                                                                         | RA2           | 9500 - FL600  | NOTAM                                           | (58) FLTCDR 452SQN TINDAL         | MILITARY FLYING               |
| R225E(TNX)                                                                                         | RA2           | 9500 - FL600  | NOTAM                                           | (58) FLTCDR 452SQN TINDAL         | MILITARY FLYING               |
| R225F(TNX)                                                                                         | RA2           | 9500 - FL600  | NOTAM                                           | (58) FLTCDR 452SQN TINDAL         | MILITARY FLYING               |
| R226A(TNX)                                                                                         | RA2           | 9500 - NOTAM  | NOTAM                                           | (58) FLTCDR 452SQN TINDAL         | MILITARY FLYING               |
| R226B(TNX)                                                                                         | RA2           | 9500 - NOTAM  | NOTAM                                           | (58) FLTCDR 452SQN TINDAL         | MILITARY FLYING               |
| R228A                                                                                              | RA2           | 5000 - FL270  | NOTAM                                           | (55) FLTCDR 452SQN DARWIN         | MILITARY FLYING               |
| R228B                                                                                              | RA2           | FL120 - FL180 | NOTAM                                           | (58) FLTCDR 452SQN TINDAL         | MILITARY FLYING               |

| <b>IDENT</b> | <b>STATUS</b> | <b>LIMIT</b>  | <b>HOUR</b>                                                               | <b>AUTHORITY</b>                | <b>ACTIVITY</b>            |
|--------------|---------------|---------------|---------------------------------------------------------------------------|---------------------------------|----------------------------|
| R231(EDX)    | RA2           | SFC - 2500    | JO 2230 - 1030<br>(1HR EARLIER<br>HDS) or as<br>amended by<br>NOTAM       | (51) FLTCDR 453SQN<br>EDINBURGH | MILITARY FLYING            |
| R232(TNX)    | RA2           | SFC - NOTAM   | NOTAM                                                                     | (58) FLTCDR 452SQN TINDAL       | MILITARY FLYING/NON-FLYING |
| R233A(EDX)   | RA1           | SFC - 2500    | NOTAM                                                                     | (51) FLTCDR 453SQN<br>EDINBURGH | MILITARY FLYING            |
| R233B(EDX)   | RA1           | 2500 - 4500   | NOTAM                                                                     | (51) FLTCDR 453SQN<br>EDINBURGH | MILITARY FLYING            |
| R234(EDX)    | RA1           | 1500 - 4500   | NOTAM                                                                     | (51) FLTCDR 453SQN<br>EDINBURGH | MILITARY FLYING            |
| R235         | RA3           | SFC - 7000    | H24                                                                       | (98) 1RSU OPS FLTCDR            | MILITARY NON-FLYING        |
| R237(WRX)    | RA2           | SFC - UNL     | NOTAM                                                                     | (54) Air Force RCO WOOMERA      | MILITARY FLYING            |
| R238(TNX)    | RA2           | 3500 - NOTAM  | NOTAM                                                                     | (58) FLTCDR 452SQN TINDAL       | MILITARY FLYING            |
| R241(TNX)    | RA2           | 8500 - NOTAM  | NOTAM                                                                     | (58) FLTCDR 452SQN TINDAL       | MILITARY FLYING            |
| R244(TNX)    | RA2           | 4000 - 9500   | NOTAM                                                                     | (58) FLTCDR 452SQN TINDAL       | MILITARY FLYING            |
| R245(TNX)    | RA2           | 9500 - NOTAM  | NOTAM                                                                     | (58) FLTCDR 452SQN TINDAL       | MILITARY FLYING            |
| R246A(WRX)   | RA2           | SFC - UNL     | NOTAM                                                                     | (54) Air Force RCO WOOMERA      | MILITARY FLYING            |
| R246B(WRX)   | RA2           | SFC - UNL     | NOTAM                                                                     | (54) Air Force RCO WOOMERA      | MILITARY FLYING            |
| R246C(WRX)   | RA2           | SFC - UNL     | NOTAM                                                                     | (54) Air Force RCO WOOMERA      | MILITARY FLYING            |
| R247(TNX)    | RA2           | 4000 - 9500   | NOTAM                                                                     | (58) FLTCDR 452SQN TINDAL       | MILITARY FLYING            |
| R248(TNX)    | RA2           | 4000 - 9500   | NOTAM                                                                     | (58) FLTCDR 452SQN TINDAL       | MILITARY FLYING            |
| R249A(TNX)   | RA1           | 1500 - 2500   | NOTAM                                                                     | (58) FLTCDR 452SQN TINDAL       | MILITARY FLYING            |
| R249B(TNX)   | RA1           | 2500 - NOTAM  | NOTAM                                                                     | (58) FLTCDR 452SQN TINDAL       | MILITARY FLYING            |
| R250(TNX)    | RA2           | SFC - 9500    | NOTAM                                                                     | (58) FLTCDR 452SQN TINDAL       | MILITARY FLYING            |
| R251(TNX)    | RA2           | 9500 - NOTAM  | NOTAM                                                                     | (58) FLTCDR 452SQN TINDAL       | MILITARY FLYING            |
| R252A(TNX)   | RA2           | 9500 - NOTAM  | NOTAM                                                                     | (58) FLTCDR 452SQN TINDAL       | MILITARY FLYING            |
| R252B(TNX)   | RA2           | 9500 - NOTAM  | NOTAM                                                                     | (58) FLTCDR 452SQN TINDAL       | MILITARY FLYING            |
| R253(TNX)    | RA2           | 8500 - NOTAM  | NOTAM                                                                     | (58) FLTCDR 452SQN TINDAL       | MILITARY FLYING            |
| R254(EDX)    | RA3           | NOTAM - FL200 | NOTAM                                                                     | (51) FLTCDR 453SQN<br>EDINBURGH | MILITARY FLYING            |
| R255(EDX)    | RA1           | SFC - 1500    | NOTAM                                                                     | (51) FLTCDR 453SQN<br>EDINBURGH | MILITARY FLYING            |
| R259A(ENX)   | RA3           | SFC - 3000    | NOTAM                                                                     | (93) Army RCO Cultana           | MILITARY FLYING/NON-FLYING |
| R259B(ENX)   | RA3           | 3000 - NOTAM  | NOTAM                                                                     | (93) Army RCO Cultana           | MILITARY FLYING/NON-FLYING |
| R260A(ENX)   | RA1           | SFC - 3000    | NOTAM                                                                     | (93) Army RCO Cultana           | MILITARY FLYING/NON-FLYING |
| R260B(ENX)   | RA1           | 3000 - NOTAM  | NOTAM                                                                     | (93) Army RCO Cultana           | MILITARY FLYING/NON-FLYING |
| R262A(DSX)   | RA2           | NOTAM - NOTAM | NOTAM                                                                     | (55) FLTCDR 452SQN DARWIN       | MILITARY FLYING/NON-FLYING |
| R262B(DSX)   | RA2           | 5000 - NOTAM  | NOTAM                                                                     | (55) FLTCDR 452SQN DARWIN       | MILITARY FLYING/NON-FLYING |
| R262C(DSX)   | RA2           | 5000 - NOTAM  | NOTAM                                                                     | (55) FLTCDR 452SQN DARWIN       | MILITARY FLYING/NON-FLYING |
| R265A(EDX)   | RA1           | 4500 - NOTAM  | NOTAM                                                                     | (51) FLTCDR 453SQN<br>EDINBURGH | MILITARY FLYING            |
| R265B(EDX)   | RA1           | 3500 - NOTAM  | NOTAM                                                                     | (51) FLTCDR 453SQN<br>EDINBURGH | MILITARY FLYING            |
| R265C(EDX)   | RA1           | 8500 - NOTAM  | NOTAM                                                                     | (51) FLTCDR 453SQN<br>EDINBURGH | MILITARY FLYING            |
| R265D(EDX)   | RA1           | 9500 - NOTAM  | NOTAM                                                                     | (51) FLTCDR 453SQN<br>EDINBURGH | MILITARY FLYING            |
| R265E(EDX)   | RA1           | 3500 - 4500   | NOTAM                                                                     | (51) FLTCDR 453SQN<br>EDINBURGH | MILITARY FLYING            |
| R265F(EDX)   | RA1           | 4500 - NOTAM  | NOTAM                                                                     | (51) FLTCDR 453SQN<br>EDINBURGH | MILITARY FLYING            |
| R268         | RA2           | SFC - NOTAM   | NOTAM                                                                     | (80) Army RCO BFTA              | MILITARY FLYING/NON-FLYING |
| R269         | RA2           | SFC - NOTAM   | NOTAM                                                                     | (80) Army RCO BFTA              | MILITARY FLYING/NON-FLYING |
| R270         | RA2           | SFC - NOTAM   | NOTAM                                                                     | (80) Army RCO BFTA              | MILITARY FLYING/NON-FLYING |
| R273(WRX)    | RA2           | SFC - UNL     | NOTAM                                                                     | (54) Air Force RCO WOOMERA      | MILITARY FLYING            |
| R275(WRX)    | RA3           | SFC - 2100    | NOTAM                                                                     | (54) Air Force RCO WOOMERA      | MILITARY NON-FLYING        |
| R279(EDX)    | RA2           | SFC - FL250   | NOTAM                                                                     | (51) FLTCDR 453SQN<br>EDINBURGH | MILITARY FLYING/NON-FLYING |
| R281(WRX)    | RA3           | SFC - NOTAM   | NOTAM                                                                     | (54) Air Force RCO WOOMERA      | MILITARY NON-FLYING        |
| R286         | RA3           | SFC - 1500    | H24                                                                       | (1) Safework SA Govt            | EXPLOSIVES STORAGE         |
| R287A(WRX)   | RA2           | SFC - 2000    | NOTAM                                                                     | (54) Air Force RCO WOOMERA      | MILITARY FLYING            |
| R287B(WRX)   | RA2           | 2000 - 4000   | NOTAM                                                                     | (54) Air Force RCO WOOMERA      | MILITARY FLYING            |
| R287C(WRX)   | RA2           | 4000 - NOTAM  | NOTAM                                                                     | (54) Air Force RCO WOOMERA      | MILITARY FLYING            |
| R290A        | RA3           | SFC - 4000    | DLY 2130-1330<br>EXC PH (1HR<br>EARLIER HDS)<br>or as amended<br>by NOTAM | (29) Army RCO Murray Bridge     | MILITARY FLYING/NON-FLYING |
| R290B        | RA3           | 4000 - 7500   | NOTAM                                                                     | (29) Army RCO Murray Bridge     | MILITARY FLYING/NON-FLYING |
| R292A(PWX)   | RA3           | SFC - 8500    | H24                                                                       | (36) Army RCO Port Wakefield    | MILITARY FLYING/NON-FLYING |
| R292B(PWX)   | RA3           | 8500 - NOTAM  | NOTAM                                                                     | (36) Army RCO Port Wakefield    | MILITARY FLYING/NON-FLYING |
| R292C(PWX)   | RA3           | NOTAM - NOTAM | NOTAM                                                                     | (36) Army RCO Port Wakefield    | MILITARY FLYING/NON-FLYING |
| R292D(PWX)   | RA3           | NOTAM - NOTAM | NOTAM                                                                     | (36) Army RCO Port Wakefield    | MILITARY FLYING/NON-FLYING |
| R292E(PWX)   | RA3           | SFC - NOTAM   | NOTAM                                                                     | (36) Army RCO Port Wakefield    | MILITARY FLYING/NON-FLYING |
| R292F(PWX)   | RA3           | SFC - NOTAM   | NOTAM                                                                     | (36) Army RCO Port Wakefield    | MILITARY FLYING/NON-FLYING |

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|--------------|---------------|---------------|-----------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------------|
| R302A(ENX)   | RA2           | SFC - 3000    | NOTAM                                                                                               | (93) Army RCO Cultana                        | MILITARY FLYING/NON-FLYING |
| R302B(ENX)   | RA2           | 3000 - NOTAM  | NOTAM                                                                                               | (93) Army RCO Cultana                        | MILITARY FLYING/NON-FLYING |
| R303A(ENX)   | RA3           | SFC - 3000    | NOTAM                                                                                               | (93) Army RCO Cultana                        | MILITARY FLYING/NON-FLYING |
| R303B(ENX)   | RA3           | 3000 - NOTAM  | NOTAM                                                                                               | (93) Army RCO Cultana                        | MILITARY FLYING/NON-FLYING |
| R304A(ENX)   | RA3           | SFC - 3000    | NOTAM                                                                                               | (93) Army RCO Cultana                        | MILITARY FLYING/NON-FLYING |
| R304B(ENX)   | RA3           | 3000 - NOTAM  | NOTAM                                                                                               | (93) Army RCO Cultana                        | MILITARY FLYING/NON-FLYING |
| R327A        | RA3           | SFC - FL150   | NOTAM                                                                                               | (92) Airservices Australia                   | MODEL ROCKET ACTIVITY      |
| R327B        | RA3           | FL150 - FL250 | NOTAM                                                                                               | (92) Airservices Australia                   | MODEL ROCKET ACTIVITY      |
| R330A(PCX)   | RA3           | SFC - 2500    | NOTAM                                                                                               | (72) Point Cook AD OPR                       | MILITARY FLYING            |
| R330B(PCX)   | RA3           | SFC - 4500    | NOTAM                                                                                               | (72) Point Cook AD OPR                       | MILITARY FLYING            |
| R332         | RA3           | SFC - 2000    | DLY 2100-1300<br>(1HR EARLIER<br>HDS) or as<br>amended by<br>NOTAM                                  | (107) Navy HMAS Cerberus                     | MILITARY NON-FLYING        |
| R350A        | RA3           | SFC - 5000    | H24                                                                                                 | (23) Army RCO Puckapunyal                    | MILITARY FLYING/NON-FLYING |
| R350B        | RA2           | 5000 - FL200  | DLY 2100-1200<br>(1HR EARLIER<br>HDS) or as<br>amended by<br>NOTAM                                  | (23) Army RCO Puckapunyal                    | MILITARY FLYING/NON-FLYING |
| R351A        | RA3           | SFC - 5000    | H24                                                                                                 | (26) Army RCO Graytown                       | MILITARY NON-FLYING        |
| R351B        | RA2           | 5000 - FL150  | DLY 2100-1200<br>(1HR EARLIER<br>HDS) or as<br>amended by<br>NOTAM                                  | (26) Army RCO Graytown                       | MILITARY NON-FLYING        |
| R351C        | RA2           | FL150 - FL500 | NOTAM                                                                                               | (26) Army RCO Graytown                       | MILITARY NON-FLYING        |
| R352         | RA3           | SFC - 3000    | NOTAM                                                                                               | (23) Army RCO Puckapunyal                    | MILITARY FLYING/NON-FLYING |
| R360A(ESX)   | RA2           | SFC - 6000    | NOTAM                                                                                               | (20) FLTCDR 453SQN EAST<br>SALE              | MILITARY FLYING            |
| R360B(ESX)   | RA2           | 1000 - 6000   | NOTAM                                                                                               | (20) FLTCDR 453SQN EAST<br>SALE              | MILITARY FLYING            |
| R360C(ESX)   | RA2           | 6000 - FL210  | NOTAM                                                                                               | (20) FLTCDR 453SQN EAST<br>SALE              | MILITARY FLYING            |
| R360D(ESX)   | RA2           | 4000 - FL210  | NOTAM                                                                                               | (20) FLTCDR 453SQN EAST<br>SALE              | MILITARY FLYING            |
| R360E(ESX)   | RA2           | 6000 - FL210  | NOTAM                                                                                               | (20) FLTCDR 453SQN EAST<br>SALE              | MILITARY FLYING            |
| R360F(ESX)   | RA2           | 6000 - FL210  | NOTAM                                                                                               | (20) FLTCDR 453SQN EAST<br>SALE              | MILITARY FLYING            |
| R362A        | RA3           | SFC - 3500    | NOTAM                                                                                               | (35) Army DOTAM VIC/TAS                      | MILITARY NON-FLYING        |
| R362B        | RA2           | 3500 - NOTAM  | NOTAM                                                                                               | (35) Army DOTAM VIC/TAS                      | MILITARY NON-FLYING        |
| R363         | RA3           | SFC - 2000    | H24                                                                                                 | (24) Thales Mulwala                          | MILITARY NON-FLYING        |
| R364         | RA3           | SFC - 2000    | H24                                                                                                 | (25) Thales Benalla                          | MILITARY NON-FLYING        |
| R368         | RA2           | SFC - 2200    | NOTAM                                                                                               | (5) Army RCO Albury                          | MILITARY NON-FLYING        |
| R374         | RA3           | SFC - 1500    | H24                                                                                                 | (21) Army RCO Swan Island                    | MILITARY FLYING/NON-FLYING |
| R379         | RA2           | SFC - NOTAM   | NOTAM                                                                                               | (35) Army DOTAM VIC/TAS                      | MILITARY NON-FLYING        |
| R393(ESX)    | RA2           | SFC - NOTAM   | NOTAM                                                                                               | (20) FLTCDR 453SQN EAST<br>SALE              | MILITARY NON-FLYING        |
| R405A        | RA3           | SFC - 500     | H24                                                                                                 | (95) Regulatory Oversight<br>Division (CASA) | HELICOPTERS & SEAPLANES    |
| R405B        | RA3           | SFC - 1000    | H24                                                                                                 | (95) Regulatory Oversight<br>Division (CASA) | HELICOPTERS & SEAPLANES    |
| R406         | RA2           | SFC - 5000    | NOTAM                                                                                               | (15) Temora Historic Flight Club             | AIR DISPLAYS               |
| R409A        | RA2           | SFC - 3000    | MON - FRI<br>2200-0600<br>(1HR EARLIER<br>HDS) EXC PH                                               | (100) Rurex Pty Ltd                          | SURFACE FIRING RANGE       |
| R409B        | RA3           | 3000 - 6000   | NOTAM                                                                                               | (100) Rurex Pty Ltd                          | SURFACE FIRING RANGE       |
| R420F(NWX)   | RA1           | FL125 - FL300 | NOTAM                                                                                               | (3) FLTCDR 453SQN NOWRA                      | MILITARY FLYING            |
| R421A(NWX)   | RA1           | SFC - FL125   | NOTAM                                                                                               | (3) FLTCDR 453SQN NOWRA                      | MILITARY FLYING            |
| R421B(NWX)   | RA1           | 2500 - FL125  | NOTAM                                                                                               | (3) FLTCDR 453SQN NOWRA                      | MILITARY FLYING            |
| R424         | RA3           | SFC - 3500    | H24                                                                                                 | (6) SRPSU                                    | RADIO TELESCOPE            |
| R430A        | RA2           | SFC - 3500    | H24                                                                                                 | (84) CSIRO Tidbinbilla                       | RADIATION HAZARD           |
| R430B        | RA2           | 3500 - 4500   | H24                                                                                                 | (84) CSIRO Tidbinbilla                       | RADIATION HAZARD           |
| R430C        | RA2           | 4500 - 10000  | H24                                                                                                 | (84) CSIRO Tidbinbilla                       | RADIATION HAZARD           |
| R469(RIX)    | RA1           | 2500 - 4500   | MON-THU<br>2200-1300, FRI<br>and JF 2200-<br>0830 (1HR<br>EARLIER HDS)<br>or as amended<br>by NOTAM | (78) FLTCDR 453SQN<br>RICHMOND               | MILITARY FLYING            |



| <b>IDENT</b> | <b>STATUS</b> | <b>LIMIT</b>                                                       | <b>HOUR</b>                                                                                                        | <b>AUTHORITY</b>                 | <b>ACTIVITY</b>            |
|--------------|---------------|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------|----------------------------|
| R470(RIX)    | RA1           | SFC - 4500                                                         | MON-THU<br>2200-1300, FRI<br>and JF 2200-<br>0830 (1HR<br>EARLIER HDS)<br>or as amended<br>by NOTAM                | (78) FLTCDR 453SQN<br>RICHMOND   | MILITARY FLYING            |
| R494(RIX)    | RA1           | 4500 - FL280                                                       | NOTAM                                                                                                              | (78) FLTCDR 453SQN<br>RICHMOND   | MILITARY FLYING            |
| R504         | RA3           | SFC - 3000                                                         | JO 2300-0600<br>(1HR EARLIER<br>HDS) or as<br>amended by<br>NOTAM                                                  | (4) OIC EODF Orchard Hills       | MILITARY NON-FLYING        |
| R521         | RA3           | SFC - 2000                                                         | H24                                                                                                                | (19) ANSTO                       | ANSTO RESEARCH REACTOR     |
| R522         | RA3           | SFC - 6500                                                         | NOTAM                                                                                                              | (16) Army RCO Holsworthy         | MILITARY NON-FLYING        |
| R524         | RA3           | SFC - 2500                                                         | H24                                                                                                                | (12) CSIRO Narrabri              | RADIO TELESCOPE            |
| R525         | RA3           | SFC - 5000                                                         | H24                                                                                                                | (13) CSIRO Parkes                | RADIO TELESCOPE            |
| R533         | RA3           | SFC - 3500                                                         | H24                                                                                                                | (69) Thales Duty Officer         | MILITARY NON-FLYING        |
| R555A        | RA3           | SFC - 2500                                                         | H24                                                                                                                | (16) Army RCO Holsworthy         | MILITARY FLYING/NON-FLYING |
| R555B        | RA2           | 2500 - NOTAM                                                       | NOTAM                                                                                                              | (16) Army RCO Holsworthy         | MILITARY FLYING/NON-FLYING |
| R555C        | RA3           | SFC - 3000                                                         | DLY 2100-1100<br>(1HR EARLIER<br>HDS) or as<br>amended by<br>NOTAM                                                 | (16) Army RCO Holsworthy         | MILITARY FLYING/NON-FLYING |
| R555D        | RA2           | NOTAM - NOTAM                                                      | NOTAM                                                                                                              | (16) Army RCO Holsworthy         | MILITARY FLYING/NON-FLYING |
| R555F        | RA3           | Note: Refer ERSA Luscombe<br>SFC - 2000                            | (Army airfield Holsworthy) special procedures<br>JO 2200-1400<br>(1HR EARLIER<br>HDS) or as<br>amended by<br>NOTAM | (83) 6 AVN Regiment OPSO         | MILITARY FLYING            |
| R560A(WWX)   | RA2           | 8500 - FL240                                                       | NOTAM                                                                                                              | (2) FLTCDR 453SQN<br>WILLIAMTOWN | MILITARY FLYING            |
| R560B(WWX)   | RA2           | 8500 - FL240                                                       | NOTAM                                                                                                              | (2) FLTCDR 453SQN<br>WILLIAMTOWN | MILITARY FLYING            |
| R564A(SGX)   | RA3           | SFC - 4000                                                         | DLY 2100-1300<br>(1HR EARLIER<br>HDS) or as<br>amended by<br>NOTAM                                                 | (9) Army RCO Singleton           | MILITARY FLYING/NON-FLYING |
| R564B(SGX)   | RA2           | 4000 - NOTAM                                                       | NOTAM                                                                                                              | (9) Army RCO Singleton           | MILITARY FLYING/NON-FLYING |
| R570A(WWX)   | RA2           | 10000 - FL360                                                      | NOTAM                                                                                                              | (2) FLTCDR 453SQN<br>WILLIAMTOWN | MILITARY FLYING            |
| R570B(WWX)   | RA2           | 10000 - FL360                                                      | NOTAM                                                                                                              | (2) FLTCDR 453SQN<br>WILLIAMTOWN | MILITARY FLYING            |
| R570C(WWX)   | RA2           | 10000 - FL360                                                      | NOTAM                                                                                                              | (2) FLTCDR 453SQN<br>WILLIAMTOWN | MILITARY FLYING            |
| R570D(WWX)   | RA2           | 10000 - FL360                                                      | NOTAM                                                                                                              | (2) FLTCDR 453SQN<br>WILLIAMTOWN | MILITARY FLYING            |
| R570E(WWX)   | RA2           | FL360 - NOTAM                                                      | NOTAM                                                                                                              | (2) FLTCDR 453SQN<br>WILLIAMTOWN | MILITARY FLYING            |
| R570F(WWX)   | RA2           | FL360 - NOTAM                                                      | NOTAM                                                                                                              | (2) FLTCDR 453SQN<br>WILLIAMTOWN | MILITARY FLYING            |
| R570G(WWX)   | RA2           | FL360 - NOTAM                                                      | NOTAM                                                                                                              | (2) FLTCDR 453SQN<br>WILLIAMTOWN | MILITARY FLYING            |
| R570H(WWX)   | RA2           | FL360 - NOTAM                                                      | NOTAM                                                                                                              | (2) FLTCDR 453SQN<br>WILLIAMTOWN | MILITARY FLYING            |
| R585A(WMX)   | RA2           | SFC - 4500                                                         | NOTAM                                                                                                              | (2) FLTCDR 453SQN<br>WILLIAMTOWN | MILITARY FLYING            |
| R585B(WMX)   | RA2           | SFC - 10000                                                        | NOTAM                                                                                                              | (2) FLTCDR 453SQN<br>WILLIAMTOWN | MILITARY FLYING            |
| R585C(WMX)   | RA2           | SFC - 10000                                                        | NOTAM                                                                                                              | (2) FLTCDR 453SQN<br>WILLIAMTOWN | MILITARY FLYING            |
| R585D(WMX)   | RA2           | SFC - 10000                                                        | NOTAM                                                                                                              | (2) FLTCDR 453SQN<br>WILLIAMTOWN | MILITARY FLYING            |
| R586A(WMX)   | RA2           | 4500 - FL250                                                       | NOTAM                                                                                                              | (2) FLTCDR 453SQN<br>WILLIAMTOWN | MILITARY FLYING            |
| R586B(WMX)   | RA2           | Note: Area may be subject to short notice recall.<br>FL250 - FL600 | NOTAM                                                                                                              | (2) FLTCDR 453SQN<br>WILLIAMTOWN | MILITARY FLYING            |
| R586C(WMX)   | RA2           | Note: Area may be subject to short notice recall.<br>FL125 - FL600 | NOTAM                                                                                                              | (2) FLTCDR 453SQN<br>WILLIAMTOWN | MILITARY FLYING            |
| R596(WMX)    | RA2           | Note: Area may be subject to short notice recall.<br>SFC - FL120   | NOTAM                                                                                                              | (2) FLTCDR 453SQN<br>WILLIAMTOWN | MILITARY FLYING/NON-FLYING |
| R603(SHX)    | RA2           | Note: Area may be subject to short notice recall.<br>SFC - 4000    | NOTAM                                                                                                              | (77) DEFENCE JACC                | MILITARY FLYING            |

| IDENT      | STATUS | LIMIT                                                                                          | HOUR                                                 | AUTHORITY                        | ACTIVITY                   |
|------------|--------|------------------------------------------------------------------------------------------------|------------------------------------------------------|----------------------------------|----------------------------|
| R604A(SHX) | RA2    | 4000 - FL125                                                                                   | NOTAM                                                | (77) DEFENCE JACC                | MILITARY FLYING            |
| R604B(SHX) | RA2    | FL125 - FL245                                                                                  | NOTAM                                                | (77) DEFENCE JACC                | MILITARY FLYING            |
| R605A(SHX) | RA2    | 4000 - FL125                                                                                   | NOTAM                                                | (77) DEFENCE JACC                | MILITARY FLYING            |
| R605B(SHX) | RA2    | FL125 - FL245                                                                                  | NOTAM                                                | (77) DEFENCE JACC                | MILITARY FLYING            |
| R605C(SHX) | RA2    | FL245 - FL600                                                                                  | NOTAM                                                | (77) DEFENCE JACC                | MILITARY FLYING            |
| R608       | RA3    | SFC - 8200                                                                                     | H24                                                  | (98) 1RSU OPS FLTCDR             | MILITARY NON-FLYING        |
| R609(EVX)  | RA3    | NOTAM - NOTAM                                                                                  | NOTAM                                                | (49) FLTCDR 452SQN<br>AMBERLEY   | MILITARY FLYING            |
| R625A(AMX) | RA1    | 1500 - 8500                                                                                    | NOTAM                                                | (48) FLTCDR 452SQN<br>AMBERLEY   | MILITARY FLYING            |
| R625B(AMX) | RA1    | 2500 - 8500                                                                                    | NOTAM                                                | (48) FLTCDR 452SQN<br>AMBERLEY   | MILITARY FLYING            |
| R625C(AMX) | RA1    | 4500 - 8500                                                                                    | NOTAM                                                | (48) FLTCDR 452SQN<br>AMBERLEY   | MILITARY FLYING            |
| R625D(AMX) | RA1    | 8500 - FL210                                                                                   | NOTAM                                                | (48) FLTCDR 452SQN<br>AMBERLEY   | MILITARY FLYING            |
| R625E(AMX) | RA1    | FL210 - FL310                                                                                  | NOTAM                                                | (48) FLTCDR 452SQN<br>AMBERLEY   | MILITARY FLYING            |
| R627       | RA3    | SFC - 2000                                                                                     | DLY 2100-0600<br>EXC PH or as<br>amended by<br>NOTAM | (38) Army RCO Greenbank          | MILITARY NON-FLYING        |
| R634A      | RA3    | SFC - 3800                                                                                     | NOTAM                                                | (50) Army RCO Canungra           | MILITARY FLYING/NON-FLYING |
| R634B      | RA2    | 3800 - 8500                                                                                    | NOTAM                                                | (50) Army RCO Canungra           | MILITARY FLYING/NON-FLYING |
| R636       | RA2    | 7000 - FL230                                                                                   | NOTAM                                                | (48) FLTCDR 452SQN<br>AMBERLEY   | MILITARY FLYING            |
| R638A(EVX) | RA2    | 1000 - 8000                                                                                    | NOTAM                                                | (48) FLTCDR 452SQN<br>AMBERLEY   | MILITARY FLYING/NON-FLYING |
| R638B(EVX) | RA2    | Note: NOTAM may be requested to change activation HRS with 2 HRS notification<br>SFC - 8000    | NOTAM                                                | (48) FLTCDR 452SQN<br>AMBERLEY   | MILITARY FLYING/NON-FLYING |
| R638C(EVX) | RA2    | Note: NOTAM may be requested to change activation HRS with 2 HRS notification<br>8000 - NOTAM  | NOTAM                                                | (48) FLTCDR 452SQN<br>AMBERLEY   | MILITARY FLYING/NON-FLYING |
| R639A(AWX) | RA2    | Note: NOTAM may be requested to change activation HRS with 2 HRS notification<br>10000 - NOTAM | NOTAM                                                | (48) FLTCDR 452SQN<br>AMBERLEY   | MILITARY FLYING            |
| R639B(AWX) | RA2    | 10000 - NOTAM                                                                                  | NOTAM                                                | (48) FLTCDR 452SQN<br>AMBERLEY   | MILITARY FLYING            |
| R639C(AWX) | RA2    | 10000 - NOTAM                                                                                  | NOTAM                                                | (48) FLTCDR 452SQN<br>AMBERLEY   | MILITARY FLYING            |
| R639D(AWX) | RA2    | 10000 - NOTAM                                                                                  | NOTAM                                                | (48) FLTCDR 452SQN<br>AMBERLEY   | MILITARY FLYING            |
| R642A      | RA3    | SFC - 2000                                                                                     | NOTAM                                                | (46) Army RCO Shoalwater Bay     | MILITARY FLYING/NON-FLYING |
| R642B      | RA2    | 2000 - 6000                                                                                    | NOTAM                                                | (46) Army RCO Shoalwater Bay     | MILITARY FLYING/NON-FLYING |
| R643       | RA2    | 2000 - 6000                                                                                    | NOTAM                                                | (46) Army RCO Shoalwater Bay     | MILITARY FLYING/NON-FLYING |
| R647A      | RA3    | SFC - 4500                                                                                     | H24                                                  | (69) Thales Duty Officer         | MILITARY NON-FLYING        |
| R647B      | RA3    | 4500 - 7000                                                                                    | NOTAM                                                | (69) Thales Duty Officer         | MILITARY NON-FLYING        |
| R654A(OKX) | RA2    | SFC - 6500                                                                                     | NOTAM                                                | (41) FLTCDR 452SQN OAKEY         | MILITARY FLYING            |
| R654B(OKX) | RA2    | SFC - 6500                                                                                     | NOTAM                                                | (41) FLTCDR 452SQN OAKEY         | MILITARY FLYING            |
| R654C(OKX) | RA1    | 6500 - FL125                                                                                   | NOTAM                                                | (41) FLTCDR 452SQN OAKEY         | MILITARY FLYING            |
| R654D(OKX) | RA1    | 6500 - FL125                                                                                   | NOTAM                                                | (41) FLTCDR 452SQN OAKEY         | MILITARY FLYING            |
| R681(SBX)  | RA2    | NOTAM - NOTAM                                                                                  | NOTAM                                                | (46) Army RCO Shoalwater Bay     | MILITARY FLYING/NON-FLYING |
| R682(SBX)  | RA2    | NOTAM - NOTAM                                                                                  | NOTAM                                                | (46) Army RCO Shoalwater Bay     | MILITARY FLYING/NON-FLYING |
| R683(SBX)  | RA2    | NOTAM - NOTAM                                                                                  | NOTAM                                                | (46) Army RCO Shoalwater Bay     | MILITARY FLYING/NON-FLYING |
| R684A(SBX) | RA3    | SFC - 2000                                                                                     | H24                                                  | (46) Army RCO Shoalwater Bay     | MILITARY FLYING/NON-FLYING |
| R684B(SBX) | RA2    | 2000 - NOTAM                                                                                   | NOTAM                                                | (46) Army RCO Shoalwater Bay     | MILITARY FLYING/NON-FLYING |
| R685A(WBX) | RA2    | SFC - NOTAM                                                                                    | NOTAM                                                | (37) Army RCO Wide Bay           | MILITARY FLYING/NON-FLYING |
| R685B(WBX) | RA2    | SFC - NOTAM                                                                                    | NOTAM                                                | (37) Army RCO Wide Bay           | MILITARY FLYING/NON-FLYING |
| R686(SBX)  | RA2    | SFC - FL160                                                                                    | NOTAM                                                | (46) Army RCO Shoalwater Bay     | MILITARY FLYING/NON-FLYING |
| R692A(SBX) | RA3    | SFC - 2000                                                                                     | H24                                                  | (46) Army RCO Shoalwater Bay     | MILITARY FLYING/NON-FLYING |
| R692B(SBX) | RA2    | 2000 - 6000                                                                                    | NOTAM                                                | (46) Army RCO Shoalwater Bay     | MILITARY FLYING/NON-FLYING |
| R692C(SBX) | RA2    | 6000 - NOTAM                                                                                   | NOTAM                                                | (46) Army RCO Shoalwater Bay     | MILITARY FLYING/NON-FLYING |
| R725       | RA3    | NOTAM - NOTAM                                                                                  | NOTAM                                                | (48) FLTCDR 452SQN<br>AMBERLEY   | MILITARY FLYING            |
| R732(TLX)  | RA2    | SFC - NOTAM                                                                                    | NOTAM                                                | (44) FLTCDR 452SQN<br>TOWNSVILLE | MILITARY FLYING/NON-FLYING |
| R736(TLX)  | RA2    | SFC - NOTAM                                                                                    | NOTAM                                                | (44) FLTCDR 452SQN<br>TOWNSVILLE | MILITARY FLYING/NON-FLYING |
| R737A(TLX) | RA2    | 7000 - NOTAM                                                                                   | NOTAM                                                | (44) FLTCDR 452SQN<br>TOWNSVILLE | MILITARY FLYING            |
| R737B(TLX) | RA2    | 7000 - NOTAM                                                                                   | NOTAM                                                | (44) FLTCDR 452SQN<br>TOWNSVILLE | MILITARY FLYING            |
| R737C(TLX) | RA2    | 7000 - NOTAM                                                                                   | NOTAM                                                | (44) FLTCDR 452SQN<br>TOWNSVILLE | MILITARY FLYING            |
| R737D(TLX) | RA2    | 7000 - NOTAM                                                                                   | NOTAM                                                | (44) FLTCDR 452SQN<br>TOWNSVILLE | MILITARY FLYING            |

| <b>IDENT</b> | <b>STATUS</b> | <b>LIMIT</b>  | <b>HOUR</b>                                       | <b>AUTHORITY</b>              | <b>ACTIVITY</b>             |
|--------------|---------------|---------------|---------------------------------------------------|-------------------------------|-----------------------------|
| R739(TLX)    | RA2           | SFC - NOTAM   | NOTAM                                             | (44) FLTCDR 452SQN TOWNSVILLE | MILITARY FLYING/NON-FLYING  |
| R747(TLX)    | RA2           | SFC - NOTAM   | NOTAM                                             | (44) FLTCDR 452SQN TOWNSVILLE | MILITARY FLYING/NON-FLYING  |
| R751(TLX)    | RA2           | SFC - NOTAM   | NOTAM                                             | (44) FLTCDR 452SQN TOWNSVILLE | MILITARY FLYING/NON-FLYING  |
| R752(TLX)    | RA2           | SFC - NOTAM   | NOTAM                                             | (44) FLTCDR 452SQN TOWNSVILLE | MILITARY FLYING/NON-FLYING  |
| R765         | RA2           | SFC - NOTAM   | NOTAM                                             | (18) Fleet HQ Potts Point     | MILITARY NON-FLYING         |
| R766         | RA3           | SFC - 3000    | H24                                               | (43) GBRMPA                   | ENVIRONMENT PROTECTION AREA |
| R768A(TLX)   | RA2           | SFC - 2000    | DLY 2100-1200<br>EXC PH or as amended by<br>NOTAM | (104) Army RCO Mt Stuart      | MILITARY NON-FLYING         |
| R768B(TLX)   | RA2           | 2000 - 3000   | NOTAM                                             | (104) Army RCO Mt Stuart      | MILITARY NON-FLYING         |
| R783         | RA2           | SFC - NOTAM   | NOTAM                                             | (18) Fleet HQ Potts Point     | MILITARY NON-FLYING         |
| R786(TUX)    | RA2           | NOTAM - NOTAM | NOTAM                                             | (40) Army OC Jungle Training  | MILITARY FLYING/NON-FLYING  |
| R801(CNX)    | RA2           | SFC - 3500    | NOTAM                                             | (77) DEFENCE JACC             | MILITARY FLYING             |
| R802A(CNX)   | RA2           | 3500 - FL200  | NOTAM                                             | (77) DEFENCE JACC             | MILITARY FLYING             |
| R802B(CNX)   | RA2           | FL200 - FL600 | NOTAM                                             | (77) DEFENCE JACC             | MILITARY FLYING             |
| R803A(CNX)   | RA2           | 5500 - FL200  | NOTAM                                             | (77) DEFENCE JACC             | MILITARY FLYING             |
| R803B(CNX)   | RA2           | FL200 - FL600 | NOTAM                                             | (77) DEFENCE JACC             | MILITARY FLYING             |
| R804A(CNX)   | RA2           | 5500 - FL200  | NOTAM                                             | (77) DEFENCE JACC             | MILITARY FLYING             |
| R804B(CNX)   | RA2           | FL200 - FL600 | NOTAM                                             | (77) DEFENCE JACC             | MILITARY FLYING             |
| R805A(CNX)   | RA2           | 5500 - FL200  | NOTAM                                             | (77) DEFENCE JACC             | MILITARY FLYING             |
| R805B(CNX)   | RA2           | FL200 - FL600 | NOTAM                                             | (77) DEFENCE JACC             | MILITARY FLYING             |
| R806A(CNX)   | RA2           | 5500 - FL200  | NOTAM                                             | (77) DEFENCE JACC             | MILITARY FLYING             |
| R806B(CNX)   | RA2           | FL200 - FL600 | NOTAM                                             | (77) DEFENCE JACC             | MILITARY FLYING             |
| R808A(CNX)   | RA2           | FL125 - FL200 | NOTAM                                             | (77) DEFENCE JACC             | MILITARY FLYING             |
| R808B(CNX)   | RA2           | FL200 - FL600 | NOTAM                                             | (77) DEFENCE JACC             | MILITARY FLYING             |
| R850A(LMX)   | RA2           | NOTAM - FL280 | NOTAM                                             | (77) DEFENCE JACC             | MILITARY FLYING             |
| R850B(LMX)   | RA2           | FL280 - FL600 | NOTAM                                             | (77) DEFENCE JACC             | MILITARY FLYING             |
| R851A(LMX)   | RA2           | NOTAM - 10000 | NOTAM                                             | (77) DEFENCE JACC             | MILITARY FLYING             |
| R851B(LMX)   | RA2           | 10000 - FL280 | NOTAM                                             | (77) DEFENCE JACC             | MILITARY FLYING             |
| R851C(LMX)   | RA2           | FL280 - FL600 | NOTAM                                             | (77) DEFENCE JACC             | MILITARY FLYING             |
| R860A(LMX)   | RA2           | NOTAM - 2500  | NOTAM                                             | (77) DEFENCE JACC             | MILITARY FLYING             |
| R860B(LMX)   | RA2           | 2500 - FL280  | NOTAM                                             | (77) DEFENCE JACC             | MILITARY FLYING             |
| R860C(LMX)   | RA2           | FL280 - FL600 | NOTAM                                             | (77) DEFENCE JACC             | MILITARY FLYING             |

## 7. DANGER AREAS

| <b>IDENT</b> | <b>LIMIT</b> | <b>HOUR</b>                             | <b>CONTACT</b>                                             | <b>ACTIVITY</b>             |
|--------------|--------------|-----------------------------------------|------------------------------------------------------------|-----------------------------|
| D102         | SFC - 3900   | H24                                     | (99) Chevron Australia - Aviation Department               | HIGH VELOCITY EXHAUST PLUME |
| D104A        | SFC - 2500   | H24                                     | (95) Regulatory Services and Surveillance (Western Region) | FLYING TRAINING             |
| D104B        | SFC - 3500   | H24                                     | (95) Regulatory Services and Surveillance (Western Region) | FLYING TRAINING             |
| D104C        | SFC - 6000   | H24                                     | (95) Regulatory Services and Surveillance (Western Region) | FLYING TRAINING             |
| D106         | SFC - 1600   | HJ                                      | (70) Telfer AD OPR                                         | BLASTING                    |
| D107         | SFC - 2000   | HJ                                      | (70) Mt Magnet AD OPR                                      | BLASTING                    |
| D110         | SFC - 1500   | NOTAM                                   | (56) Army DOTAM WA                                         | FIRING                      |
| D121         | SFC - 1500   | H24                                     | (64) Woodside OKHA                                         | HIGH VELOCITY EXHAUST PLUME |
| D133         | SFC - 1500   | H24                                     | (62) Woodside Goodwyn Alpha                                | HIGH VELOCITY EXHAUST PLUME |
| D149         | SFC - 2000   | H24                                     | (60) Woodside Withnell Bay                                 | HIGH VELOCITY EXHAUST PLUME |
| D150         | SFC - 2000   | H24                                     | (60) Woodside Withnell Bay                                 | HIGH VELOCITY EXHAUST PLUME |
| D151         | SFC - 1500   | H24                                     | (63) Woodside North Rankin                                 | HIGH VELOCITY EXHAUST PLUME |
| D154         | SFC - 1500   | NOTAM                                   | (61) Army DOTAM WA                                         | FIRING RANGE                |
| D164         | SFC - 1700   | DLY 2100-1200 or as amended by<br>NOTAM | (61) Army DOTAM WA                                         | FIRING                      |
| D169         | SFC - 1500   | H24                                     | (73) Army DOTAM WA                                         | FIRING                      |
| D172         | SFC - 500    | JO HJ                                   | (70) Karratha AD OPR                                       | BLASTING                    |
| D174         | SFC - FL150  | HJ or as amended by<br>NOTAM            | (89) Skydive Jurien Bay                                    | PARACHUTING                 |
| D186         | SFC - 8500   | HJ                                      | (66) Skydive Australia                                     | PARACHUTING                 |
| D187         | SFC - 1800   | H24                                     | (88) Chevron Australia                                     | HIGH VELOCITY EXHAUST PLUME |
| D188         | SFC - 2000   | HJ                                      | (65) Mt Gibson Iron                                        | BLASTING                    |
| D193(PEX)    | SFC - 4000   | JO HJ or as amended by<br>NOTAM         | (67) FLTCDR 453SQN PEARCE                                  | MILITARY FLYING             |
| D197(PEX)    | SFC - 1500   | HJ or as amended by<br>NOTAM            | (67) FLTCDR 453SQN PEARCE                                  | FIRING                      |
| D198(PEX)    | SFC - 2000   | JO HJ                                   | (67) FLTCDR 453SQN PEARCE                                  | MILITARY FLYING             |

| <b>IDENT</b> | <b>LIMIT</b> | <b>HOURL</b>                                                     | <b>CONTACT</b>                                              | <b>ACTIVITY</b>                 |
|--------------|--------------|------------------------------------------------------------------|-------------------------------------------------------------|---------------------------------|
| D204         | BCTA - NOTAM | NOTAM                                                            | (102) Adelaide Soaring Club                                 | GLIDING                         |
| D205         | BCTA - NOTAM | NOTAM                                                            | (102) Adelaide Soaring Club                                 | GLIDING                         |
| D206         | BCTA - NOTAM | NOTAM                                                            | (102) Adelaide Soaring Club                                 | GLIDING                         |
| D207A        | BCTA - NOTAM | NOTAM                                                            | (95) Regulatory Services and Surveillance (Northern Region) | GLIDING                         |
| D207B        | BCTA - NOTAM | NOTAM                                                            | (95) Regulatory Services and Surveillance (Northern Region) | GLIDING                         |
| D207C        | BCTA - NOTAM | NOTAM                                                            | (95) Regulatory Services and Surveillance (Northern Region) | GLIDING                         |
| D207D        | BCTA - NOTAM | NOTAM                                                            | (95) Regulatory Services and Surveillance (Northern Region) | GLIDING                         |
| D209(TNX)    | SFC - 2500   | NOTAM                                                            | (58) FLTCDR 452SQN TINDAL                                   | VFR TRANSIT LANE                |
| D210(TNX)    | SFC - BCTA   | MON - FRI<br>2130-1330<br>EXC PH or as<br>amended by<br>NOTAM    | (58) FLTCDR 452SQN TINDAL                                   | MILITARY FLYING                 |
| D213(DNX)    | SFC - 1100   | H24                                                              | (106) Army RCO Robertson Barracks                           | RIFLE RANGE                     |
| D216(DNX)    | SFC - 1400   | H24 or as<br>amended by<br>NOTAM                                 | (106) Army RCO Robertson Barracks                           | RIFLE RANGE                     |
| D217         | SFC - 3000   | H24                                                              | (94) INPEX                                                  | HIGH VELOCITY EXHAUST PLUME     |
| D218         | SFC - 1500   | H24                                                              | (57) Rio Tinto Jabiru                                       | BLASTING                        |
| D220         | SFC - 4500   | HJ                                                               | (95) Regulatory Services and Surveillance (Western Region)  | FLYING TRAINING/TRANSIT AREA    |
| D223(TNX)    | SFC - 8500   | NOTAM                                                            | (58) FLTCDR 452SQN TINDAL                                   | MILITARY FLYING                 |
| D227         | SFC - 900    | H24                                                              | (59) Conoco Phillips Darwin                                 | HIGH VELOCITY EXHAUST PLUME     |
| D229(TNX)    | SFC - 8500   | NOTAM                                                            | (58) FLTCDR 452SQN TINDAL                                   | MILITARY FLYING                 |
| D236A        | SFC - 3000   | NOTAM                                                            | (80) Army RCO BFTA                                          | VFR TRANSIT LANE                |
| D236B        | SFC - 3000   | NOTAM                                                            | (80) Army RCO BFTA                                          | VFR TRANSIT LANE                |
| D239         | SFC - 900    | DLY 0600-0830                                                    | (70) Olympic Dam AD OPR                                     | BLASTING                        |
| D242         | SFC - 650    | HR DAILY<br>0100-0200,<br>0500-0600 or<br>as amended by<br>NOTAM | (70) McArthur River Mine AD OPR                             | BLASTING                        |
| D243(TNX)    | SFC - 1000   | MON-FRI<br>0700-0800<br>EXC PH or as<br>AMD by<br>NOTAM          | (58) FLTCDR 452SQN TINDAL                                   | BLASTING                        |
| D256         | SFC - 600    | H24                                                              | (55) FLTCDR 452SQN DARWIN                                   | RIFLE RANGE                     |
| D257         | SFC - 1500   | HJ or as<br>amended by<br>NOTAM                                  | (55) FLTCDR 452SQN DARWIN                                   | ACCESS LANE                     |
| D258A(EDX)   | SFC - 8500   | JO HJ or as<br>amended by<br>NOTAM                               | (51) FLTCDR 453SQN EDINBURGH                                | MILITARY FLYING                 |
| D258B(EDX)   | SFC - 9500   | JO HJ or as<br>amended by<br>NOTAM                               | (51) FLTCDR 453SQN EDINBURGH                                | MILITARY FLYING                 |
| D258C(EDX)   | SFC - FL150  | JO HJ or as<br>amended by<br>NOTAM                               | (51) FLTCDR 453SQN EDINBURGH                                | MILITARY FLYING                 |
| D261(ENX)    | SFC - 3000   | NOTAM                                                            | (93) Army RCO Cultana                                       | ACCESS LANE                     |
| D266         | SFC - 8500   | HJ                                                               | (108) SA Skydiving                                          | PARACHUTING                     |
| D267         | SFC - NOTAM  | NOTAM                                                            | (80) Army RCO BFTA                                          | FIRING & MILITARY FLYING        |
| D271         | SFC - 5000   | H24                                                              | (53) HWE Mining                                             | BLASTING                        |
| D280         | SFC - 2500   | HJ                                                               | (95) Regulatory Services and Surveillance (Western Region)  | FLYING TRAINING & TRANSIT AREA  |
| D284         | SFC - 5600   | H24                                                              | (70) Moomba AD OPR                                          | HIGH VELOCITY EXHAUST PLUME     |
| D285         | SFC - 4000   | HJ                                                               | (70) Murray Bridge AD OPR                                   | AEROBATIC AREA                  |
| D288A        | SFC - 2500   | HJ                                                               | (95) Regulatory Services and Surveillance (Northern Region) | FLYING TRAINING                 |
| D288B        | SFC - 1000   | NOTAM                                                            | (71) Army DO Robertson Barracks                             | MILITARY FLYING                 |
| D288C        | SFC - 1000   | NOTAM                                                            | (71) Army DO Robertson Barracks                             | MILITARY FLYING                 |
| D305         | SFC - 4000   | HJ                                                               | (95) Regulatory Services and Surveillance (Southern Region) | FLYING TRAINING                 |
| D315         | SFC - 7500   | HJ                                                               | (95) Regulatory Oversight Division                          | FLYING TRAINING                 |
| D316         | SFC - 5000   | H24                                                              | (95) Regulatory Services and Surveillance (Southern Region) | FLYING TRAINING                 |
| D322A        | SFC - NOTAM  | NOTAM                                                            | (28) Textron System Pty Ltd                                 | UNMANNED AERIAL VEHICLE TESTING |
| D322B        | SFC - NOTAM  | NOTAM                                                            | (28) Textron System Pty Ltd                                 | UNMANNED AERIAL VEHICLE TESTING |
| D333         | SFC - 2500   | NOTAM                                                            | (74) Swoop Aero VIC                                         | UNMANNED AERIAL VEHICLE TESTING |
| D342         | SFC - 2500   | HJ OT BY<br>NOTAM                                                | (81) Skydive The Beach Melbourne                            | PARACHUTING                     |

| <b>IDENT</b> | <b>LIMIT</b> | <b>HOUR</b>                                                                  | <b>CONTACT</b>                                            | <b>ACTIVITY</b>                 |
|--------------|--------------|------------------------------------------------------------------------------|-----------------------------------------------------------|---------------------------------|
| D353(ESX)    | SFC - 1500   | JO HJ or as amended by NOTAM                                                 | (20) FLTCDR 453SQN EAST SALE                              | VFR TRANSIT LANE                |
| D372         | SFC - 1200   | H24                                                                          | (22) Beach Energy Lang Lang                               | HIGH VELOCITY EXHAUST PLUME     |
| D373         | SFC - FL125  | HJ                                                                           | (75) Skydive Australia                                    | PARACHUTING                     |
| D376         | SFC - FL125  | HJ or as amended by NOTAM                                                    | (91) Skydive Euroa                                        | PARACHUTING                     |
| D378         | SFC - 1700   | NOTAM                                                                        | (35) Army DOTAM VIC/TAS                                   | MILITARY NON-FLYING             |
| D383A(PCX)   | SFC - BCTA   | HJ or as amended by NOTAM                                                    | (72) Point Cook AD OPR                                    | FLYING TRAINING                 |
| D383B(PCX)   | SFC - BCTA   | HJ or as amended by NOTAM                                                    | (72) Point Cook AD OPR                                    | AEROBATICS AREA                 |
| D392(ESX)    | SFC - NOTAM  | NOTAM                                                                        | (20) FLTCDR 453SQN EAST SALE                              | FIRING                          |
| D399         | 4500 - 5500  | NOTAM                                                                        | (27) Airservices Australia Melbourne                      | GLIDER FLYING                   |
| D410         | SFC - 760    | H24                                                                          | (96) Control Room                                         | HIGH VELOCITY EXHAUST PLUME     |
| D427         | SFC - 5000   | NOTAM                                                                        | (15) Temora Historic Flight Club                          | AIR DISPLAYS                    |
| D431         | SFC - 3100   | MON - FRI 2300 - 0700                                                        | (11) Unimin Australia                                     | BLASTING                        |
| D432         | SFC - 3300   | MON - FRI 2300 - 0700                                                        | (11) Unimin Australia                                     | BLASTING                        |
| D435         | SFC - 3000   | DLY 2100-1400 (1HR EARLIER HDS) or as amended by NOTAM                       | (34) Army RCO Kapooka                                     | FIRING                          |
| D451         | SFC - 4500   | NOTAM                                                                        | (17) ACFR                                                 | UNMANNED AERIAL VEHICLE TESTING |
| D457         | SFC - 3000   | MON-THU 2030-1300 FRI-SUN 2030-1230 (1HR EARLIER HDS) or as amended by NOTAM | (7) Army RCO Majura                                       | FIRING                          |
| D458         | SFC - 3400   | MON-THU 2030-1300 FRI-SUN 2030-1230 (1HR EARLIER HDS) or as amended by NOTAM | (7) Army RCO Majura                                       | FIRING                          |
| D459(RIX)    | SFC - 2500   | JO HJ or as amended by NOTAM                                                 | (78) FLTCDR 453SQN RICHMOND                               | MILITARY FLYING                 |
| D513         | SFC - FL180  | NOTAM                                                                        | (30) Air Affairs Australia                                | UAV OPERATIONS                  |
| D523A        | SFC - 3500   | H24                                                                          | (10) CASA OAR                                             | FLYING TRAINING                 |
| D523B        | SFC - 8000   | H24                                                                          | (10) CASA OAR                                             | FLYING TRAINING                 |
| D526         | SFC - 8500   | MON - SAT-HJ                                                                 | (8) Newcrest Mining                                       | BLASTING                        |
| D531A        | SFC - 8000   | HJ                                                                           | (95) Regulatory Services and Surveillance (Sydney Region) | FLYING TRAINING                 |
| D531B        | SFC - 5000   | HJ                                                                           | (95) Regulatory Services and Surveillance (Sydney Region) | FLYING TRAINING                 |
| D535         | SFC - BCTA   | HJ                                                                           | (75) Skydive Australia                                    | PARACHUTING                     |
| D537(WWX)    | SFC - 1300   | NOTAM                                                                        | (2) FLTCDR 453SQN WILLIAMTOWN                             | MILITARY FIRING                 |
| D539A        | SFC - 2000   | HJ                                                                           | (97) Airservices Australia Shift Manager                  | LANE OF ENTRY                   |
| D539B        | SFC - 2500   | HJ                                                                           | (97) Airservices Australia Shift Manager                  | LANE OF ENTRY                   |
| D543         | SFC - 1100   | H24                                                                          | (14) Origin Energy Uranquinty                             | HIGH VELOCITY EXHAUST PLUME     |
| D552         | SFC - 4500   | HJ                                                                           | (95) Regulatory Services and Surveillance (Sydney Region) | FLYING TRAINING                 |
| D556A        | SFC - 2500   | HJ                                                                           | (95) Regulatory Services and Surveillance (Sydney Region) | FLYING TRAINING                 |
| D556B        | SFC - 4500   | HJ                                                                           | (95) Regulatory Services and Surveillance (Sydney Region) | FLYING TRAINING                 |
| D566A(WWX)   | SFC - 8500   | NOTAM                                                                        | (2) FLTCDR 453SQN WILLIAMTOWN                             | MILITARY FLYING                 |
| D566B(WWX)   | SFC - 8500   | NOTAM                                                                        | (2) FLTCDR 453SQN WILLIAMTOWN                             | MILITARY FLYING                 |
| D576A(WWX)   | SFC - 10000  | NOTAM                                                                        | (2) FLTCDR 453SQN WILLIAMTOWN                             | MILITARY FLYING                 |
| D576B(WWX)   | SFC - 10000  | NOTAM                                                                        | (2) FLTCDR 453SQN WILLIAMTOWN                             | MILITARY FLYING                 |
| D576C(WWX)   | SFC - 10000  | NOTAM                                                                        | (2) FLTCDR 453SQN WILLIAMTOWN                             | MILITARY FLYING                 |
| D576D(WWX)   | SFC - 10000  | NOTAM                                                                        | (2) FLTCDR 453SQN WILLIAMTOWN                             | MILITARY FLYING                 |
| D589(WMX)    | SFC - 2500   | NOTAM                                                                        | (2) FLTCDR 453SQN WILLIAMTOWN                             | VFR TRANSIT LANE                |

| IDENT      | LIMIT       | HOURL                                                       | CONTACT                                                    | ACTIVITY                       |
|------------|-------------|-------------------------------------------------------------|------------------------------------------------------------|--------------------------------|
| D593A      | SFC - 7500  | HJ                                                          | (31) Sydney Parachute and Skydiving Centre                 | PARACHUTING                    |
| D593B      | SFC - 4500  | HJ                                                          | (31) Sydney Parachute and Skydiving Centre                 | PARACHUTING                    |
| D602(SHX)  | SFC - 4000  | NOTAM                                                       | (77) DEFENCE JACC                                          | MILITARY FLYING                |
| D606(SHX)  | SFC - FL125 | NOTAM                                                       | (77) DEFENCE JACC                                          | MILITARY FLYING                |
| D611       | SFC - FL150 | H24                                                         | (52) SANTOS Ballera                                        | HIGH VELOCITY EXHAUST PLUME    |
| D612A(AMX) | SFC - 1500  | NOTAM                                                       | (48) FLTCDR 452SQN AMBERLEY                                | MILITARY FLYING                |
| D612B(AMX) | SFC - 2500  | NOTAM                                                       | (48) FLTCDR 452SQN AMBERLEY                                | MILITARY FLYING                |
| D613(OKX)  | SFC - 5500  | MON-THU 2200-1330<br>FRI 2200-0630 EXC<br>PH OT BY<br>NOTAM | (41) FLTCDR 452SQN OAKLEY                                  | MILITARY FLYING                |
| D615       | SFC - 2400  | NOTAM                                                       | (90) Dept of Defence - ADF Range Management                | FIRING                         |
| D617A(AEX) | SFC - 5000  | NOTAM                                                       | (48) FLTCDR 452SQN AMBERLEY                                | MILITARY FLYING                |
| D617B(AEX) | SFC - 5000  | NOTAM                                                       | (48) FLTCDR 452SQN AMBERLEY                                | MILITARY FLYING                |
| D617C(AEX) | SFC - 5000  | NOTAM                                                       | (48) FLTCDR 452SQN AMBERLEY                                | MILITARY FLYING                |
| D617D(AEX) | SFC - 5000  | NOTAM                                                       | (48) FLTCDR 452SQN AMBERLEY                                | MILITARY FLYING                |
| D618       | SFC - 2000  | NOTAM                                                       | (46) Army RCO Shoalwater Bay                               | MILITARY FLYING / TRANSIT AREA |
| D619       | SFC - 4500  | NOTAM                                                       | (77) DEFENCE JACC                                          | MILITARY FLYING                |
| D621A(AWX) | SFC - 10000 | NOTAM                                                       | (48) FLTCDR 452SQN AMBERLEY                                | MILITARY FLYING                |
| D621B(AWX) | SFC - 10000 | NOTAM                                                       | (48) FLTCDR 452SQN AMBERLEY                                | MILITARY FLYING                |
| D621C(AWX) | SFC - 10000 | NOTAM                                                       | (48) FLTCDR 452SQN AMBERLEY                                | MILITARY FLYING                |
| D621D(AWX) | SFC - 10000 | NOTAM                                                       | (48) FLTCDR 452SQN AMBERLEY                                | MILITARY FLYING                |
| D623       | SFC - 5000  | NOTAM                                                       | (32) Queensland Rocketry Society                           | ROCKET LAUNCHING               |
| D629A      | SFC - 1500  | HJ                                                          | (95) Regulatory Services and Surveillance (Eastern Region) | CIVIL FLYING TRAINING          |
| D629B      | SFC - 2500  | HJ                                                          | (95) Regulatory Services and Surveillance (Eastern Region) | CIVIL FLYING TRAINING          |
| D629C      | SFC - 3500  | HJ                                                          | (95) Regulatory Services and Surveillance (Eastern Region) | CIVIL FLYING TRAINING          |
| D629D      | SFC - 3500  | HJ                                                          | (95) Regulatory Services and Surveillance (Eastern Region) | CIVIL FLYING TRAINING          |
| D629E      | SFC - 4500  | HJ                                                          | (95) Regulatory Services and Surveillance (Eastern Region) | CIVIL FLYING TRAINING          |
| D630A(AMX) | SFC - 4500  | MON-THU 2200-1330<br>FRI 2200-0630 EXC<br>PH OT BY<br>NOTAM | (48) FLTCDR 452SQN AMBERLEY                                | MILITARY FLYING                |
| D630B(AMX) | SFC - 4500  | NOTAM                                                       | (48) FLTCDR 452SQN AMBERLEY                                | MILITARY FLYING                |
| D630C(AMX) | SFC - 8500  | MON-THU 2200-1330<br>FRI 2200-0630 EXC<br>PH OT BY<br>NOTAM | (48) FLTCDR 452SQN AMBERLEY                                | MILITARY FLYING                |
| D630D(AMX) | SFC - 8500  | NOTAM                                                       | (48) FLTCDR 452SQN AMBERLEY                                | MILITARY FLYING                |
| D632(AEX)  | SFC - 5000  | NOTAM                                                       | (48) FLTCDR 452SQN AMBERLEY                                | MILITARY FLYING                |
| D635A      | SFC - 6000  | HJ                                                          | (101) Flight Training Adelaide                             | FLYING TRAINING                |
| D635B      | SFC - 3000  | HJ                                                          | (101) Flight Training Adelaide                             | FLYING TRAINING                |
| D645(AMX)  | SFC - BCTA  | NOTAM                                                       | (48) FLTCDR 452SQN AMBERLEY                                | MILITARY FLYING                |
| D648(AMX)  | SFC - 2000  | NOTAM                                                       | (38) Army RCO Greenbank                                    | FIRING                         |
| D652(OKX)  | SFC - 2800  | H24                                                         | (42) Power Holding                                         | HIGH VELOCITY EXHAUST PLUME    |
| D656A      | SFC - 1500  | HJ                                                          | (95) Regulatory Services and Surveillance (Eastern Region) | FLYING TRAINING                |
| D656B      | SFC - 2500  | HJ                                                          | (95) Regulatory Services and Surveillance (Eastern Region) | FLYING TRAINING                |
| D656C      | SFC - 4500  | HJ                                                          | (95) Regulatory Services and Surveillance (Eastern Region) | FLYING TRAINING                |
| D656D      | SFC - 4500  | HJ                                                          | (95) Regulatory Services and Surveillance (Eastern Region) | FLYING TRAINING                |
| D658A(AEX) | SFC - 5000  | NOTAM                                                       | (48) FLTCDR 452SQN AMBERLEY                                | MILITARY FLYING                |
| D658B(AEX) | SFC - 5000  | NOTAM                                                       | (48) FLTCDR 452SQN AMBERLEY                                | MILITARY FLYING                |
| D664       | SFC - 5000  | HJ                                                          | (95) Regulatory Services and Surveillance (Eastern Region) | FLYING TRAINING                |
| D666       | SFC - 2000  | HJ                                                          | (95) Regulatory Services and Surveillance (Eastern Region) | FLYING TRAINING                |
| D672       | SFC - 2500  | HJ                                                          | (95) Regulatory Services and Surveillance (Eastern Region) | TRAINING AREA                  |
| D673       | SFC - 4500  | HJ                                                          | (95) Regulatory Services and Surveillance (Eastern Region) | TRAINING AREA                  |
| D675       | SFC - 3500  | HJ                                                          | (95) Regulatory Services and Surveillance (Eastern Region) | TRAINING AREA                  |
| D679A(AEX) | SFC - 5000  | NOTAM                                                       | (48) FLTCDR 452SQN AMBERLEY                                | MILITARY FLYING                |

| <b>IDENT</b> | <b>LIMIT</b> | <b>HOURL</b>                                                                | <b>CONTACT</b>                                              | <b>ACTIVITY</b>             |
|--------------|--------------|-----------------------------------------------------------------------------|-------------------------------------------------------------|-----------------------------|
| D679B(AEX)   | SFC - 5000   | NOTAM                                                                       | (48) FLTCDR 452SQN AMBERLEY                                 | MILITARY FLYING             |
| D688         | SFC - 5000   | HJ                                                                          | (95) Regulatory Services and Surveillance (Eastern Region)  | FLYING TRAINING             |
| D690(AEX)    | SFC - FL125  | NOTAM                                                                       | (48) FLTCDR 452SQN AMBERLEY                                 | MILITARY FLYING             |
| D691         | SFC - 5000   | HJ                                                                          | (95) Regulatory Services and Surveillance (Eastern Region)  | FLYING TRAINING             |
| D698         | SFC - BCTA   | NOTAM                                                                       | (77) DEFENCE JACC                                           | MILITARY FLYING             |
| D706         | SFC - 4500   | HJ                                                                          | (95) Regulatory Services and Surveillance (Eastern Region)  | FLYING TRAINING             |
| D722         | SFC - 2000   | H24                                                                         | (47) Cement Australia                                       | HIGH VELOCITY EXHAUST PLUME |
| D723         | SFC - 3500   | H24                                                                         | (85) QCLNG                                                  | HIGH VELOCITY EXHAUST PLUME |
| D724         | SFC - 3500   | H24                                                                         | (86) Santos GLNG                                            | HIGH VELOCITY EXHAUST PLUME |
| D726         | SFC - 5000   | H24                                                                         | (87) Australian Pacific Liquified Natural Gas               | HIGH VELOCITY EXHAUST PLUME |
| D731         | SFC - 3500   | NOTAM                                                                       | (104) Army RCO Atherton                                     | FIRING                      |
| D744(TLX)    | SFC - 7000   | NOTAM                                                                       | (44) FLTCDR 452SQN TOWNSVILLE                               | MILITARY FLYING             |
| D762         | SFC - 3500   | HJ                                                                          | (39) Airlservices Australia Cairns                          | PARACHUTING ACTIVITY        |
| D764(TLX)    | SFC - 2500   | HJ                                                                          | (95) Regulatory Services and Surveillance (Northern Region) | FLYING TRAINING             |
| D769A        | SFC - 1500   | HJ                                                                          | (95) Regulatory Services and Surveillance (Northern Region) | FLYING TRAINING             |
| D769B        | SFC - 2500   | HJ                                                                          | (95) Regulatory Services and Surveillance (Northern Region) | FLYING TRAINING             |
| D771A        | SFC - 1500   | HJ                                                                          | (95) Regulatory Services and Surveillance (Northern Region) | FLYING TRAINING             |
| D771B        | SFC - 2500   | HJ                                                                          | (95) Regulatory Services and Surveillance (Northern Region) | FLYING TRAINING             |
| D771C        | SFC - 3500   | HJ                                                                          | (95) Regulatory Services and Surveillance (Northern Region) | FLYING TRAINING             |
| D771D        | SFC - 4500   | HJ                                                                          | (95) Regulatory Services and Surveillance (Northern Region) | FLYING TRAINING             |
| D772         | SFC - 1700   | MON 2200-0600 WED 2200-0600 FRI-SUN 2200-0600 EXC PH or as amended by NOTAM | (104) Army RCO Wangetti                                     | FIRING                      |
| D779(TLX)    | SFC - 2500   | DLY 2000-1400 EXC PH or as amended by NOTAM                                 | (45) Army RCO Cape Cleveland                                | MILITARY FLYING             |
| D812         | SFC - NOTAM  | NOTAM                                                                       | (56) Army DOTAM WA                                          | FIRING                      |
| D813(CNX)    | SFC - 5500   | NOTAM                                                                       | (77) DEFENCE JACC                                           | MILITARY FLYING             |
| D814(CNX)    | SFC - 5500   | NOTAM                                                                       | (77) DEFENCE JACC                                           | MILITARY FLYING             |
| D815(CNX)    | SFC - 5500   | NOTAM                                                                       | (77) DEFENCE JACC                                           | MILITARY FLYING             |
| D816(CNX)    | SFC - 5500   | NOTAM                                                                       | (77) DEFENCE JACC                                           | MILITARY FLYING             |
| D817(CNX)    | SFC - FL125  | NOTAM                                                                       | (77) DEFENCE JACC                                           | MILITARY FLYING             |
| D818(CNX)    | SFC - FL125  | NOTAM                                                                       | (77) DEFENCE JACC                                           | MILITARY FLYING             |
| D819(CNX)    | SFC - FL125  | NOTAM                                                                       | (77) DEFENCE JACC                                           | MILITARY FLYING             |
| D820(CNX)    | SFC - FL125  | NOTAM                                                                       | (77) DEFENCE JACC                                           | MILITARY FLYING             |

## 8. MILITARY OPERATING AREAS

| <b>IDENT</b> | <b>LIMIT</b>  | <b>HOURL</b> | <b>CONTACT</b>               | <b>ACTIVITY</b>            |
|--------------|---------------|--------------|------------------------------|----------------------------|
| M147A(LNX)   | SFC - FL700   | NOTAM        | (76) Navy HMAS Stirling      | MILITARY FLYING/NON-FLYING |
| M147B(LNX)   | SFC - FL260   | NOTAM        | (76) Navy HMAS Stirling      | MILITARY FLYING/NON-FLYING |
| M147C(LNX)   | SFC - FL260   | NOTAM        | (76) Navy HMAS Stirling      | MILITARY FLYING/NON-FLYING |
| M161(PEX)    | 6000 - NOTAM  | NOTAM        | (67) FLTCDR 453SQN PEARCE    | MILITARY FLYING            |
| M166(PEX)    | 2000 - NOTAM  | NOTAM        | (67) FLTCDR 453SQN PEARCE    | MILITARY FLYING/NON-FLYING |
| M170A(PEX)   | NOTAM - NOTAM | NOTAM        | (67) FLTCDR 453SQN PEARCE    | MILITARY FLYING/NON-FLYING |
| M170B(PEX)   | NOTAM - NOTAM | NOTAM        | (67) FLTCDR 453SQN PEARCE    | MILITARY FLYING/NON-FLYING |
| M171A(PEX)   | SFC - NOTAM   | NOTAM        | (67) FLTCDR 453SQN PEARCE    | MILITARY FLYING/NON-FLYING |
| M171B(PEX)   | SFC - NOTAM   | NOTAM        | (67) FLTCDR 453SQN PEARCE    | MILITARY FLYING/NON-FLYING |
| M180(SNX)    | SFC - 2000    | NOTAM        | (76) Navy HMAS Stirling      | MILITARY FLYING/NON-FLYING |
| M181(SNX)    | SFC - FL260   | NOTAM        | (76) Navy HMAS Stirling      | MILITARY FLYING/NON-FLYING |
| M182A(SNX)   | NOTAM - NOTAM | NOTAM        | (76) Navy HMAS Stirling      | MILITARY FLYING/NON-FLYING |
| M182B(SNX)   | NOTAM - NOTAM | NOTAM        | (76) Navy HMAS Stirling      | MILITARY FLYING/NON-FLYING |
| M182C(SNX)   | NOTAM - NOTAM | NOTAM        | (76) Navy HMAS Stirling      | MILITARY FLYING/NON-FLYING |
| M182D(SNX)   | NOTAM - NOTAM | NOTAM        | (76) Navy HMAS Stirling      | MILITARY FLYING/NON-FLYING |
| M182E(SNX)   | NOTAM - NOTAM | NOTAM        | (76) Navy HMAS Stirling      | MILITARY FLYING/NON-FLYING |
| M182F(SNX)   | NOTAM - NOTAM | NOTAM        | (76) Navy HMAS Stirling      | MILITARY FLYING/NON-FLYING |
| M182G(SNX)   | NOTAM - NOTAM | NOTAM        | (76) Navy HMAS Stirling      | MILITARY FLYING/NON-FLYING |
| M195(SNX)    | SFC - NOTAM   | NOTAM        | (76) Navy HMAS Stirling      | MILITARY FLYING/NON-FLYING |
| M201(EDX)    | SFC - FL600   | NOTAM        | (51) FLTCDR 453SQN EDINBURGH | MILITARY FLYING/NON-FLYING |
| M240A(DNX)   | 5000 - NOTAM  | NOTAM        | (55) FLTCDR 452SQN DARWIN    | MILITARY FLYING/NON-FLYING |
| M240B(DNX)   | NOTAM - NOTAM | NOTAM        | (55) FLTCDR 452SQN DARWIN    | MILITARY FLYING/NON-FLYING |

| <b>IDENT</b> | <b>LIMIT</b>  | <b>HOURL</b> | <b>CONTACT</b>                | <b>ACTIVITY</b>            |
|--------------|---------------|--------------|-------------------------------|----------------------------|
| M240C(DNX)   | NOTAM - NOTAM | NOTAM        | (55) FLTCDR 452SQN DARWIN     | MILITARY FLYING/NON-FLYING |
| M240D(DNX)   | 5000 - NOTAM  | NOTAM        | (55) FLTCDR 452SQN DARWIN     | MILITARY FLYING/NON-FLYING |
| M240E(DNX)   | 5000 - NOTAM  | NOTAM        | (55) FLTCDR 452SQN DARWIN     | MILITARY FLYING/NON-FLYING |
| M240F(DNX)   | 5000 - NOTAM  | NOTAM        | (55) FLTCDR 452SQN DARWIN     | MILITARY FLYING/NON-FLYING |
| M263A(DSX)   | NOTAM - NOTAM | NOTAM        | (55) FLTCDR 452SQN DARWIN     | MILITARY FLYING/NON-FLYING |
| M263B(DSX)   | NOTAM - NOTAM | NOTAM        | (55) FLTCDR 452SQN DARWIN     | MILITARY FLYING/NON-FLYING |
| M263C(DSX)   | NOTAM - NOTAM | NOTAM        | (55) FLTCDR 452SQN DARWIN     | MILITARY FLYING/NON-FLYING |
| M263D(DSX)   | NOTAM - NOTAM | NOTAM        | (55) FLTCDR 452SQN DARWIN     | MILITARY FLYING/NON-FLYING |
| M263E(DSX)   | NOTAM - NOTAM | NOTAM        | (55) FLTCDR 452SQN DARWIN     | MILITARY FLYING/NON-FLYING |
| M263F(DSX)   | NOTAM - NOTAM | NOTAM        | (55) FLTCDR 452SQN DARWIN     | MILITARY FLYING/NON-FLYING |
| M263G(DSX)   | NOTAM - NOTAM | NOTAM        | (55) FLTCDR 452SQN DARWIN     | MILITARY FLYING/NON-FLYING |
| M301A(ESX)   | 4000 - FL210  | NOTAM        | (20) FLTCDR 453SQN EAST SALE  | MILITARY FLYING            |
| M301B(ESX)   | FL210 - FL450 | NOTAM        | (20) FLTCDR 453SQN EAST SALE  | MILITARY FLYING            |
| M331A        | SFC - 9000    | NOTAM        | (33) Navy HMAS Cerberus       | MILITARY FLYING/NON-FLYING |
| M331B        | SFC - NOTAM   | NOTAM        | (33) Navy HMAS Cerberus       | MILITARY FLYING/NON-FLYING |
| M334         | SFC - NOTAM   | NOTAM        | (33) Navy HMAS Cerberus       | MILITARY FLYING/NON-FLYING |
| M440A(TSX)   | NOTAM - NOTAM | NOTAM        | (18) Fleet HQ Potts Point     | MILITARY FLYING            |
| M440B(TSX)   | NOTAM - NOTAM | NOTAM        | (18) Fleet HQ Potts Point     | MILITARY FLYING            |
| M440C(TSX)   | NOTAM - NOTAM | NOTAM        | (18) Fleet HQ Potts Point     | MILITARY FLYING/NON-FLYING |
| M440D(TSX)   | NOTAM - NOTAM | NOTAM        | (18) Fleet HQ Potts Point     | MILITARY FLYING/NON-FLYING |
| M440E(TSX)   | NOTAM - NOTAM | NOTAM        | (18) Fleet HQ Potts Point     | MILITARY FLYING/NON-FLYING |
| M440F(TSX)   | NOTAM - NOTAM | NOTAM        | (18) Fleet HQ Potts Point     | MILITARY FLYING/NON-FLYING |
| M440G(TSX)   | NOTAM - NOTAM | NOTAM        | (18) Fleet HQ Potts Point     | MILITARY FLYING/NON-FLYING |
| M440H(TSX)   | NOTAM - NOTAM | NOTAM        | (18) Fleet HQ Potts Point     | MILITARY FLYING/NON-FLYING |
| M440J(TSX)   | NOTAM - NOTAM | NOTAM        | (18) Fleet HQ Potts Point     | MILITARY FLYING/NON-FLYING |
| M440K(TSX)   | NOTAM - NOTAM | NOTAM        | (18) Fleet HQ Potts Point     | MILITARY FLYING/NON-FLYING |
| M440L(TSX)   | NOTAM - NOTAM | NOTAM        | (18) Fleet HQ Potts Point     | MILITARY FLYING/NON-FLYING |
| M440M(TSX)   | NOTAM - NOTAM | NOTAM        | (18) Fleet HQ Potts Point     | MILITARY FLYING/NON-FLYING |
| M440N(TSX)   | NOTAM - NOTAM | NOTAM        | (18) Fleet HQ Potts Point     | MILITARY FLYING/NON-FLYING |
| M440P(TSX)   | NOTAM - NOTAM | NOTAM        | (18) Fleet HQ Potts Point     | MILITARY FLYING/NON-FLYING |
| M441(TSX)    | NOTAM - NOTAM | NOTAM        | (18) Fleet HQ Potts Point     | MILITARY FLYING/NON-FLYING |
| M442A(TSX)   | SFC - 1500    | NOTAM        | (18) Fleet HQ Potts Point     | MILITARY FLYING            |
| M442B(TSX)   | SFC - 7500    | NOTAM        | (18) Fleet HQ Potts Point     | MILITARY FLYING            |
| M442C(TSX)   | SFC - 8500    | NOTAM        | (18) Fleet HQ Potts Point     | MILITARY FLYING            |
| M442D(TSX)   | SFC - FL125   | NOTAM        | (18) Fleet HQ Potts Point     | MILITARY FLYING            |
| M442E(TSX)   | SFC - FL205   | NOTAM        | (18) Fleet HQ Potts Point     | MILITARY FLYING            |
| M443(TSX)    | NOTAM - NOTAM | NOTAM        | (18) Fleet HQ Potts Point     | MILITARY FLYING/NON-FLYING |
| M444A(TSX)   | NOTAM - NOTAM | NOTAM        | (18) Fleet HQ Potts Point     | MILITARY FLYING/NON-FLYING |
| M444B(TSX)   | NOTAM - NOTAM | NOTAM        | (18) Fleet HQ Potts Point     | MILITARY FLYING/NON-FLYING |
| M444C(TSX)   | NOTAM - NOTAM | NOTAM        | (18) Fleet HQ Potts Point     | MILITARY FLYING/NON-FLYING |
| M550A(WEX)   | NOTAM - NOTAM | NOTAM        | (18) Fleet HQ Potts Point     | MILITARY FLYING/NON-FLYING |
| M550B(WEX)   | SFC - FL600   | NOTAM        | (2) FLTCDR 453SQN WILLIAMTOWN | MILITARY FLYING            |
| M550C(WEX)   | SFC - FL600   | NOTAM        | (2) FLTCDR 453SQN WILLIAMTOWN | MILITARY FLYING            |
| M550D(WEX)   | SFC - FL600   | NOTAM        | (2) FLTCDR 453SQN WILLIAMTOWN | MILITARY FLYING            |
| M610A(SHX)   | FL125 - FL245 | NOTAM        | (77) DEFENCE JACC             | MILITARY FLYING            |
| M610B(SHX)   | FL245 - FL600 | NOTAM        | (77) DEFENCE JACC             | MILITARY FLYING            |
| M640A(AEX)   | 5000 - NOTAM  | NOTAM        | (48) FLTCDR 452SQN AMBERLEY   | MILITARY FLYING            |
| M640B(AEX)   | 5000 - NOTAM  | NOTAM        | (48) FLTCDR 452SQN AMBERLEY   | MILITARY FLYING            |
| M640C(AEX)   | 5000 - NOTAM  | NOTAM        | (48) FLTCDR 452SQN AMBERLEY   | MILITARY FLYING            |
| M640D(AEX)   | 5000 - NOTAM  | NOTAM        | (48) FLTCDR 452SQN AMBERLEY   | MILITARY FLYING            |
| M641(EVX)    | SFC - NOTAM   | NOTAM        | (48) FLTCDR 452SQN AMBERLEY   | MILITARY FLYING/NON-FLYING |
| M646(AEX)    | 5000 - NOTAM  | NOTAM        | (48) FLTCDR 452SQN AMBERLEY   | MILITARY FLYING            |
| M649A(AEX)   | 5000 - NOTAM  | NOTAM        | (48) FLTCDR 452SQN AMBERLEY   | MILITARY FLYING            |
| M649B(AEX)   | 5000 - NOTAM  | NOTAM        | (48) FLTCDR 452SQN AMBERLEY   | MILITARY FLYING            |
| M661A(AEX)   | 5000 - NOTAM  | NOTAM        | (48) FLTCDR 452SQN AMBERLEY   | MILITARY FLYING            |
| M661B(AEX)   | 5000 - NOTAM  | NOTAM        | (48) FLTCDR 452SQN AMBERLEY   | MILITARY FLYING            |
| M670A(AEX)   | FL125 - FL245 | NOTAM        | (48) FLTCDR 452SQN AMBERLEY   | MILITARY FLYING            |
| M670B(AEX)   | FL245 - NOTAM | NOTAM        | (48) FLTCDR 452SQN AMBERLEY   | MILITARY FLYING            |
| M678(SBX)    | NOTAM - NOTAM | NOTAM        | (46) Army RCO Shoalwater Bay  | MILITARY FLYING            |
| M694         | NOTAM - NOTAM | NOTAM        | (18) Fleet HQ Potts Point     | MILITARY FLYING            |
| M742(TLX)    | 4000 - FL240  | NOTAM        | (44) FLTCDR 452SQN TOWNSVILLE | MILITARY FLYING            |
| M777         | SFC - NOTAM   | NOTAM        | (18) Fleet HQ Potts Point     | MILITARY NON-FLYING        |
| M821A(CNX)   | FL125 - FL200 | NOTAM        | (77) DEFENCE JACC             | MILITARY FLYING            |
| M821B(CNX)   | FL200 - FL600 | NOTAM        | (77) DEFENCE JACC             | MILITARY FLYING            |
| M822A(CNX)   | FL125 - FL200 | NOTAM        | (77) DEFENCE JACC             | MILITARY FLYING            |
| M822B(CNX)   | FL200 - FL600 | NOTAM        | (77) DEFENCE JACC             | MILITARY FLYING            |
| M823A(CNX)   | FL125 - FL200 | NOTAM        | (77) DEFENCE JACC             | MILITARY FLYING            |
| M823B(CNX)   | FL200 - FL600 | NOTAM        | (77) DEFENCE JACC             | MILITARY FLYING            |
| M824(CNX)    | NOTAM - NOTAM | NOTAM        | (77) DEFENCE JACC             | MILITARY FLYING            |
| M855A(LMX)   | 10000 - FL280 | NOTAM        | (77) DEFENCE JACC             | MILITARY FLYING            |
| M855B(LMX)   | FL280 - FL600 | NOTAM        | (77) DEFENCE JACC             | MILITARY FLYING            |
| M856A(LMX)   | NOTAM - FL280 | NOTAM        | (77) DEFENCE JACC             | MILITARY FLYING            |
| M856B(LMX)   | FL280 - FL600 | NOTAM        | (77) DEFENCE JACC             | MILITARY FLYING            |
| M857A(LMX)   | NOTAM - FL280 | NOTAM        | (77) DEFENCE JACC             | MILITARY FLYING            |



| <b>IDENT</b> | <b>LIMIT</b>  | <b>HOURL</b> | <b>CONTACT</b>    | <b>ACTIVITY</b> |
|--------------|---------------|--------------|-------------------|-----------------|
| M857B(LMX)   | FL280 - FL600 | NOTAM        | (77) DEFENCE JACC | MILITARY FLYING |
| M858A(LMX)   | NOTAM - 10000 | NOTAM        | (77) DEFENCE JACC | MILITARY FLYING |
| M858B(LMX)   | 10000 - FL280 | NOTAM        | (77) DEFENCE JACC | MILITARY FLYING |
| M858C(LMX)   | FL280 - FL600 | NOTAM        | (77) DEFENCE JACC | MILITARY FLYING |
| M865A(LMX)   | NOTAM - FL280 | NOTAM        | (77) DEFENCE JACC | MILITARY FLYING |
| M865B(LMX)   | FL280 - FL950 | NOTAM        | (77) DEFENCE JACC | MILITARY FLYING |
| M866A(LMX)   | NOTAM - FL280 | NOTAM        | (77) DEFENCE JACC | MILITARY FLYING |
| M866B(LMX)   | FL280 - FL950 | NOTAM        | (77) DEFENCE JACC | MILITARY FLYING |
| M867A(LMX)   | NOTAM - FL280 | NOTAM        | (77) DEFENCE JACC | MILITARY FLYING |
| M867B(LMX)   | FL280 - FL950 | NOTAM        | (77) DEFENCE JACC | MILITARY FLYING |
| M868A(LMX)   | NOTAM - FL280 | NOTAM        | (77) DEFENCE JACC | MILITARY FLYING |
| M868B(LMX)   | FL280 - FL950 | NOTAM        | (77) DEFENCE JACC | MILITARY FLYING |
| M869A(LMX)   | NOTAM - FL250 | NOTAM        | (77) DEFENCE JACC | MILITARY FLYING |
| M869B(LMX)   | NOTAM - FL250 | NOTAM        | (77) DEFENCE JACC | MILITARY FLYING |

## 9. LIST OF RELEVANT CONTACT NUMBERS

- (1) 08 8570 2242 or 0447 113 398
- (2) 02 4034 6800
- (3) 02 4449 5396
- (4) 0417 846 546 or 02 4728 0186
- (5) 03 5735 7586 or 0408 435 633
- (6) 02 6238 2262
- (7) 02 6241 5696 or 0416 266 583 AH or 0416 266 580
- (8) 02 6392 2451
- (9) 02 6575 0345 or 0418 166 358
- (10) 02 6217 1177 (option 7)
- (11) 02 6769 5704
- (12) 02 6790 4000 or AH 02 6790 4075
- (13) 02 6861 1777 or AH 0427 001 583
- (14) 02 6927 0110
- (15) 02 6977 1088
- (16) 0490 657 305 or 0413 186 354
- (17) 02 9351 7468
- (18) 02 9537 4652 or 02 6128 4339 AH
- (19) 02 9717 3663
- (20) 03 5169 7489
- (21) 03 5254 9000
- (22) 03 5654 9100
- (23) 03 5735 7769 or 0408 435 633
- (24) 03 5742 2200
- (25) 03 5760 3222
- (26) 03 5736 3010 or 03 5794 3211 or 0417 028 505
- (27) 03 9235 7337^
- (28) 03 9518 7300
- (29) 0448 366 812
- (30) 0475 537 062
- (31) 0411 864 676
- (32) 0412 366 054
- (33) 0412 843 939
- (34) 0428 229 881
- (35) 03 6237 7273 OR 0429 999 889
- (36) 08 8867 0270 or 08 8867 0299 or 0437 743 721
- (37) 07 5488 1611 or 0448 952 274 or 0428 275 740
- (38) 07 3804 2411 or 0438 711 976
- (39) 07 4050 5380^
- (40) 0409 056 233
- (41) 07 4577 7220
- (42) 07 4691 4012
- (43) 07 4750 0700
- (44) 07 4752 1207
- (45) 07 4752 2502
- (46) 07 4935 5000 or 0459 843 330
- (47) 07 4970 1111
- (48) 07 5361 3349
- (49) 02 6682 4740
- (50) 07 5618 6270 or 0407 149 557
- (51) 08 7383 2114
- (52) 08 8116 5000
- (53) 08 8644 5798
- (54) 08 8674 3370
- (55) 08 7929 4671 or 0408 809 864
- (56) 08 9311 2530 or 0438 710 644
- (57) 08 8938 1571
- (58) 08 8973 7460 or 08 8973 7461
- (59) 08 8919 1579

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|       |                                              |
|-------|----------------------------------------------|
| (60)  | 08 9158 8261                                 |
| (61)  | 08 9311 2650                                 |
| (62)  | 08 9348 5650                                 |
| (63)  | 08 9348 5852                                 |
| (64)  | 08 9348 5862                                 |
| (65)  | 08 9423 0862                                 |
| (66)  | 08 9444 4199                                 |
| (67)  | 0467 718 182 or 08 9476 8622                 |
| (68)  | 08 9929 1011                                 |
| (69)  | 1800 234 583                                 |
| (70)  | AD OPR See ERSa FAC                          |
| (71)  | 0889251071 or 0438719805                     |
| (72)  | 03 8348 6888                                 |
| (73)  | 08 9311 2650 or 0477 324 840                 |
| (74)  | 03 7003 9494                                 |
| (75)  | 1300 663 634                                 |
| (76)  | 08 9553 2369 OOH 02 6128 4339, 0418 225 754  |
| (77)  | 02 6128 4856 or 02 6128 4857 or 02 6128 4858 |
| (78)  | 02 4579 3346                                 |
| (79)  | 08 9576 5001 or 0412 564 121                 |
| (80)  | 0427 185 058                                 |
| (81)  | 03 9739 0333                                 |
| (82)  | 08 8951 2025 or 08 8951 2010 or 08 8951 2000 |
| (83)  | 02 8782 7531                                 |
| (84)  | CSIRO Tidbinbilla Control Room 02 6201 7940  |
| (85)  | 1300 765 033                                 |
| (86)  | 07 4844 4000                                 |
| (87)  | 07 4836 7777 OR 07 4836 8065                 |
| (88)  | 08 9184 3717                                 |
| (89)  | 1300 293 766                                 |
| (90)  | 07 4411 7569                                 |
| (91)  | 03 9432 2419 or 0413 863 929                 |
| (92)  | 03 9235 7420                                 |
| (93)  | 08 8641 5830                                 |
| (94)  | 08 8983 8030 or 08 8983 8060                 |
| (95)  | 131 757                                      |
| (96)  | 02 8724 9125                                 |
| (97)  | 02 9556 6853                                 |
| (98)  | 08 7374 7020                                 |
| (99)  | 08 9261 4458                                 |
| (100) | 0419 984 938                                 |
| (101) | 08 8209 4398                                 |
| (102) | 0438 409 928                                 |
| (103) | 08 9949 3321                                 |
| (104) | 0437 462 916 or 07 4772 9829                 |
| (105) | 0418 425 916 or 08 8978 2545                 |
| (106) | 0428 429 694 or 08 7971 2587                 |
| (107) | 0409 038 714 or 0430 339 921                 |
| (108) | 08 8272 7888                                 |
| (109) | 02 5130 6904                                 |

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**AERODROMES AND ALA CODES - ENCODED**

| <b>LOCATION</b>        | <b>STATE</b> | <b>CODE</b> | <b>LOCATION</b>       | <b>STATE</b> | <b>CODE</b> |
|------------------------|--------------|-------------|-----------------------|--------------|-------------|
| ABBIEGLASSIE           | QLD          | YABG/ALA    | ANNANDALE             | QLD          | YADE/ALA    |
| ABERDEEN               | QLD          | YABD/ALA    | ANNINGIE              | NT           | YANN/ALA    |
| ABERFOYLE              | QLD          | YABF/ALA    | ANNITOWA              | NT           | YANW/ALA    |
| ABINGDON DOWNS         | QLD          | YABI/ALA    | ANSWER DOWNS          | QLD          | YAND/ALA    |
| ABRA MINE              | WA           | YABR/AD     | ANTHONY LAGOON        | NT           | YANL/ALA    |
| ADAMINABY              | NSW          | YADY/ALA    | APOLLO BAY            | VIC          | YAPO/ALA    |
| ADVALE                 | QLD          | YADA/ALA    | AQUILA                | QLD          | YAQA/ALA    |
| ADELAIDE               | SA           | YPAD/AD     | ARAMAC                | QLD          | YAMC/ALA    |
| ADELAIDE INTL RACEWAY  | SA           | YAIW/HLS    | ARAPUNYA              | NT           | YARP/ALA    |
| ADELAIDE/PARAFIELD     | SA           | YPPF/AD     | ARARAT                | VIC          | YARA/AD     |
| ADELS GROVE            | QLD          | YALG/ALA    | ARARAT HOSPITAL       | VIC          | YXAR/HLS    |
| AGINCOURT NORTH        | QLD          | YAIN/HLS    | ARCADIA               | QLD          | YACI/ALA    |
| AGINCOURT SOUTH        | QLD          | YAIS/HLS    | ARCHER RIVER          | QLD          | YARC/ALA    |
| AGNES WATER            | QLD          | YAWT/ALA    | ARCTURUS DOWNS HS     | QLD          | YATU/ALA    |
| AILERON                | NT           | YALR/ALA    | ARDLETHAN             | NSW          | YARL/ALA    |
| ALAMEIN                | SA           | YAMN/ALA    | ARDMORE               | QLD          | YAOR/ALA    |
| ALBANY                 | WA           | YABA/AD     | ARDROSSAN HOSPITAL    | SA           | YXAN/HLS    |
| ALBILBAH               | QLD          | YALH/ALA    | AREYONGA              | NT           | YARN/ALA    |
| ALBION DOWNS           | WA           | YABS/ALA    | ARGADARGADA           | NT           | YARD/ALA    |
| ALBURY                 | NSW          | YMAY/AD     | ARGYLE                | QLD          | YAGL/ALA    |
| ALBURY HOSPITAL        | NSW          | YXAL/HLS    | ARGYLE                | WA           | YARG/AD     |
| ALCOOTA STN            | NT           | YALC/ALA    | ARIZONA HS            | QLD          | YARI/ALA    |
| ALDERLEY               | QLD          | YALY/ALA    | ARKAPENA              | SA           | YRKP/ALA    |
| ALDERSYDE              | QLD          | YADR/ALA    | ARKARoola             | SA           | YARK/ALA    |
| ALDINGA                | SA           | YADG/ALA    | ARLINGTON REEF        | QLD          | YARF/HLS    |
| ALEXANDRA              | VIC          | YAXA/HLS    | ARMIDALE              | NSW          | YARM/AD     |
| ALEXANDRIA STN         | NT           | YALX/ALA    | ARMIDALE HOSPITAL     | NSW          | YXAH/HLS    |
| ALFRED HOSPITAL        | VIC          | YAFD/HLS    | ARMRAYNALD            | QLD          | YAML/ALA    |
| ALICE DOWNS STN        | QLD          | YACD/ALA    | ARNO HS               | QLD          | YANO/ALA    |
| ALICE SPRINGS          | NT           | YBAS/AD     | ARRABURY              | QLD          | YARY/ALA    |
| ALLAMBE                | NT           | YALM/ALA    | ARUBIDDY              | WA           | YADD/ALA    |
| ALLANDY                | NSW          | YALN/ALA    | ASHBURTON DOWNS       | WA           | YAHD/ALA    |
| ALONNAH MEDICAL        | TAS          | YXBY/HLS    | ASHFORD               | NSW          | YASF/ALA    |
| ALPHA                  | QLD          | YAPH/AD     | ATHERTON              | QLD          | YATN/ALA    |
| ALPURRURULAM           | NT           | YALP/ALA    | ATHERTON HOSPITAL     | QLD          | YXAT/HLS    |
| ALROY DOWNS            | NT           | YALD/ALA    | AUBURN                | QLD          | YAUB/ALA    |
| ALSTONVILLE SOUTH      | NSW          | YAVS/ALA    | AUBURNVALE            | QLD          | YMFA/ALA    |
| ALTHORPE ISLAND        | SA           | YALT/HLS    | AUGATHELLA            | QLD          | YAUA/ALA    |
| ALTON DOWNS            | SA           | YADS/ALA    | AUGUSTA               | WA           | YAUG/ALA    |
| AMATA                  | SA           | YAMT/ALA    | AUGUSTUS DOWNS        | QLD          | YAGD/ALA    |
| AMBALINDUM             | NT           | YABL/ALA    | AURUKUN               | QLD          | YAUR/AD     |
| AMBERLEY               | QLD          | YAMB/AD     | AUST AGE OF DINOSAURS | QLD          | YAOD/HLS    |
| AMMAROO                | NT           | YAMM/ALA    | MUSEUM                |              |             |
| AMPHITHEATRE           | VIC          | YATR/ALA    | AUSTRAL DOWNS STN     | NT           | YAUS/ALA    |
| AMPILATWATJA           | NT           | YAMJ/ALA    | AUTEUIL               | QLD          | YAUT/ALA    |
| ANABURROO              | NT           | YANR/ALA    | AUVERGNE STN          | NT           | YAUV/ALA    |
| ANDADO                 | NT           | YADO/ALA    | AVALON                | VIC          | YMAV/AD     |
| ANGASTON HOSPITAL      | SA           | YXAG/HLS    | AVALON EAST           | VIC          | YAVE/ALA    |
| ANGATJA                | SA           | YANJ/ALA    | AVON DOWNS            | NT           | YAVD/ALA    |
| ANGEL PLATFORM OIL RIG | WA           | YAGP/HLS    | AYERS ROCK/CONNELLAN  | NT           | YAYE/AD     |
| ANMATJERE/GEMTREE      | NT           | YGTC/ALA    | AYR                   | QLD          | YAYR/ALA    |
| CARAVAN PARK           |              |             | AYR HOSPITAL          | QLD          | YXYR/HLS    |
| ANMATJERE/PINE HILL    | NT           | YPHS/ALA    | AYTON                 | QLD          | YAYT/HLS    |
| STATION                |              |             | BAAL BONE COLLIERY    | NSW          | YBNE/HLS    |
| ANNA CREEK             | SA           | YANK/ALA    | BACCHUS MARSH         | VIC          | YBSS/ALA    |
| ANNA PLAINS HS         | WA           | YAPA/ALA    | BADU ISLAND           | QLD          | YBAU/ALA    |
|                        |              |             | BAIKAL                | NT           | YIKL/ALA    |

| LOCATION               | STATE | CODE     | LOCATION              | STATE | CODE     |
|------------------------|-------|----------|-----------------------|-------|----------|
| BAIRNSDALE             | VIC   | YBNS/AD  | BAYSWATER             | QLD   | YBYW/ALA |
| BAIRNSDALE HOSPITAL    | VIC   | YXBN/HLS | BAYU UN DAN           | WA    | YBYU/HLS |
| BALAKLAVA              | SA    | YBVA/ALA | BAYU UN DAN WHP       | WA    | YWPB/HLS |
| BALAKLAVA HOSPITAL     | SA    | YXBA/HLS | BEACHPORT             | SA    | YBCP/HLS |
| BALCANOONA             | SA    | YBLC/ALA | BEACON                | WA    | YBEC/ALA |
| BALD HILLS             | NSW   | YBLI/ALA | BEACONSFIELD          | QLD   | YBCF/ALA |
| BALGAIR                | WA    | YBGI/ALA | BEAGLE BAY            | WA    | YBGB/ALA |
| BALGO HILL             | WA    | YBGO/AD  | BEATRICE DOWNS        | QLD   | YBTC/ALA |
| BALLADONIA             | WA    | YBAL/ALA | BEATRICE JUNCTION     | QLD   | YBTJ/HLS |
| BALLANDOOL             | QLD   | YBDO/ALA | BEAUDESERT            | QLD   | YBDR/HLS |
| BALLARAT               | VIC   | YBLT/AD  | BEAUDESERT HOSPITAL   | QLD   | YXBS/HLS |
| BALLARAT BASE HOSPITAL | VIC   | YXBT/HLS | BEAUFORT              | VIC   | YBFT/ALA |
| BALLERA                | QLD   | YLLE/AD  | BEAVER REEF           | QLD   | YBVR/HLS |
| BALLIDU                | WA    | YBIU/ALA | BEDARRA ISLAND        | QLD   | YBDA/HLS |
| BALLINA/BYRON GATEWAY  | NSW   | YBNA/AD  | BEDFORD DOWNS         | WA    | YBDF/ALA |
| BALMA                  | NT    | YLMA/ALA | BEDOURIE              | QLD   | YBIE/AD  |
| BALONNE                | QLD   | YONE/ALA | BEDOUT ISLAND         | WA    | YBEX/HLS |
| BALRANALD              | NSW   | YBRN/AD  | BEEANTHA              | QLD   | YBEA/ALA |
| BALURGA                | QLD   | YBRG/ALA | BEECHMONT             | QLD   | YXBC/HLS |
| BAMBOO CREEK           | WA    | YBBC/ALA | BEECHWORTH            | VIC   | YBCH/ALA |
| BAMYILI                | NT    | YBMY/ALA | BEEF MACHINE          | WA    | YBFM/ALA |
| BAN BAN SPRINGS        | NT    | YBBS/ALA | BEEFWOOD              | QLD   | YBFW/HLS |
| BANIYALA               | NT    | YBNI/ALA | BEGA HOSPITAL         | NSW   | YXBV/HLS |
| BANJAWARN              | WA    | YBJW/ALA | BELELE                | WA    | YELE/ALA |
| BANKSIA                | QLD   | YBKA/ALA | BELL PEAK             | QLD   | YBEP/HLS |
| BANNOCKBURN            | WA    | YBNC/ALA | BELLBROOK MEDICAL     | NSW   | YXBK/HLS |
| BARADINE               | NSW   | YBAD/ALA | BELLBURN              | WA    | YBEB/ALA |
| BARALABA               | QLD   | YBAB/ALA | BELLENDEN KER         | QLD   | YBEN/HLS |
| BARALABA HOSPITAL      | QLD   | YXLB/HLS | BELLEVUE              | WA    | YBLU/AD  |
| BARCALTINE             | QLD   | YBAR/AD  | BELLEVUE              | QLD   | YBVE/ALA |
| BARENYA                | QLD   | YBEY/ALA | BELLGREE              | QLD   | YBLX/ALA |
| BARIMUNYA              | WA    | YBRY/AD  | BELLINGEN MEDICAL     | NSW   | YXEG/HLS |
| BARKLY DOWNS           | QLD   | YBAW/ALA | BELYANDO/LABONA       | QLD   | YLBA/ALA |
| BARKLY WAYSIDE INN     | NT    | YBKS/ALA | BELYANDO/MORAY DOWNS  | QLD   | YAMO/ALA |
| BARMERA                | SA    | YBMR/HLS | BEN BULLEN MEDICAL    | NSW   | YXUN/HLS |
| BARMOUNT               | QLD   | YBMU/ALA | BENALLA               | VIC   | YBLA/AD  |
| BAROSSA                | OTH   | YBSA/HLS | BENAMBRA              | VIC   | YBRA/ALA |
| BARRABA                | NSW   | YBBA/ALA | BENCUBBIN             | WA    | YBCB/ALA |
| BARRACOUTA PLATFORM    | VIC   | YUTA/HLS | BENDICK MURRELL       | NSW   | YBND/ALA |
| BARRARATJPI            | NT    | YBJP/ALA | BENDIGO               | VIC   | YBDG/AD  |
| BARRKIRA               | NT    | YRIA/ALA | BENDIGO HOSPITAL      | VIC   | YXBE/HLS |
| BARRONUP               | QLD   | YBNP/HLS | BENING FIELD          | QLD   | YBEG/ALA |
| BARROW CREEK           | NT    | YBRC/ALA | BENMARA               | NT    | YBNM/ALA |
| BARROW ISLAND          | WA    | YBWX/AD  | BENTINCK ISLAND       | QLD   | YBTK/ALA |
| BARTON SIDING          | SA    | YBTN/ALA | BERESFORD             | QLD   | YBSF/ALA |
| BARWON FIELD           | VIC   | YGBF/ALA | BERMAGUI              | NSW   | YBMG/HLS |
| BARWON HEADS/GEELONG   | VIC   | YBRS/ALA | BERRI                 | SA    | YBRI/HLS |
| BARYULGIL              | NSW   | YBYL/ALA | BERRIDALE             | NSW   | YBED/ALA |
| BATAVIA DOWNS          | QLD   | YBTV/ALA | BESSIE SPRINGS        | NT    | YBSN/ALA |
| BATCHELOR              | NT    | YBCR/ALA | BETOOTA               | QLD   | YBEO/ALA |
| BATHURST               | NSW   | YBTH/AD  | BEULAH                | VIC   | YBEU/ALA |
| BATHURST HARBOUR       | TAS   | YHBH/ALA | BEVERLEY (WA)         | WA    | YBEV/ALA |
| BATHURST HOSPITAL      | NSW   | YXBH/HLS | BEVERLEY MINE         | SA    | YBEE/ALA |
| BATHURST ISLAND        | NT    | YBTI/AD  | BHD SUPPLY MOBILE RIG | WA    | BHD/HLS  |
| BATMAN PARK HELIPORT   | VIC   | YBPK/HLS | BICHENO MEDICAL       | TAS   | YXBF/HLS |
| BATT REEF              | QLD   | YBAT/HLS | BICKERTON ISLAND      | NT    | YBIC/ALA |
| BATTLE CAMP STN        | QLD   | YBTP/ALA | BIG BELL              | WA    | YBBE/ALA |
| BAYGURTJI              | NT    | YBAY/ALA | BIGGENDEN             | QLD   | YBIN/ALA |

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|-------------------------|--------------|-------------|------------------------|--------------|-------------|
| BIGGENDEN HOSPITAL      | QLD          | YXBI/HLS    | BOONAH HOSPITAL        | QLD          | YXBO/HLS    |
| BILLA KALINA            | SA           | YBIK/ALA    | BOORABIN               | WA           | YBOB/ALA    |
| BILLABALONG             | WA           | YBBL/ALA    | BOORT                  | VIC          | YBBT/ALA    |
| BILLABONG HOUSE         | QLD          | YBNH/HLS    | BOOTU CREEK            | NT           | YBTU/ALA    |
| BILLABONG ROAD HOUSE    | WA           | YBLB/ALA    | BOOYLGOO SPRINGS       | WA           | YBOY/ALA    |
| BILLABONG STN           | NSW          | YBST/ALA    | BORDER VILLAGE         | SA           | YBOV/ALA    |
| BILLILUNA               | WA           | YBIL/ALA    | BORDERTOWN             | SA           | YBOR/ALA    |
| BILOELA                 | QLD          | YBLE/ALA    | BORROLOOLA             | NT           | YBRL/ALA    |
| BILOELA HOSPITAL        | QLD          | YXBZ/HLS    | BORUNG                 | VIC          | YUNG/ALA    |
| BINDOON                 | WA           | YBOO/ALA    | BOTHWELL MEDICAL       | TAS          | YXEL/HLS    |
| BINDOON HILL            | WA           | YBHL/ALA    | BOULIA                 | QLD          | YBOU/AD     |
| BINDOON HLS             | WA           | YBON/HLS    | BOURKE                 | NSW          | YBKE/AD     |
| BING BONG               | NT           | YBIG/ALA    | BOWEN                  | QLD          | YBWN/AD     |
| BINGARA MEDICAL         | NSW          | YXIG/HLS    | BOWEN DOWNS            | QLD          | YBWO/ALA    |
| BINGIL BAY AIRFIELD     | QLD          | YBBY/ALA    | BOWEN HOSPITAL         | QLD          | YXBW/HLS    |
| BINNABURRA              | QLD          | YXBB/HLS    | BOWRAL MEDICAL         | NSW          | YXOW/HLS    |
| BIRANYBIRANY            | NT           | YBIY/ALA    | BOWRAVILLE MEDICAL     | NSW          | YXVL/HLS    |
| BIRCHIP                 | VIC          | YBIR/AD     | BOX HILL HOSPITAL      | VIC          | YXXL/HLS    |
| BIRDSVILLE              | QLD          | YBDV/AD     | BOYUP BROOK            | WA           | YBOP/ALA    |
| BIRRI BEACH             | QLD          | YBBH/ALA    | BRACADALE STATION      | SA           | YBDL/ALA    |
| BIRRINDUDU              | NT           | YBDU/ALA    | BRADSHAW               | NT           | YBRD/ALA    |
| BIRTHDAY SIDING         | SA           | YBDS/ALA    | BRAIDWOOD (QLD)        | QLD          | YBDD/ALA    |
| BLACK DOWNS STN         | QLD          | YBKD/ALA    | BRAIDWOOD/PERCHERON    | NSW          | YPER/ALA    |
| BLACK TIP WHP           | WA           | YBCT/HLS    | BRAMPTON HOSPITAL      | QLD          | YBPI/ALA    |
| BLACKALL                | QLD          | YBCK/AD     | BRAMWELL STATION       | QLD          | YBWL/ALA    |
| BLACKSTONE RANGE        | WA           | YBSR/ALA    | BRAZAKKA               | QLD          | YBAZ/HLS    |
| BLACKTOWN HOSPITAL      | NSW          | YXBL/HLS    | BREAM A PLATFORM       | VIC          | YUMA/HLS    |
| BLACKWATER              | QLD          | YBTR/ALA    | BREAM B PLATFORM       | VIC          | YURB/HLS    |
| BLACKWATER HOSPITAL     | QLD          | YXKW/HLS    | BREMER ISLAND          | NT           | YBRE/ALA    |
| BLACKWOOD               | QLD          | YBCD/ALA    | BRENDLE DOWNS STATION  | QLD          | YTBH/ALA    |
| BLANCHETOWN             | SA           | YBCN/ALA    | BREWARRINA             | NSW          | YBRW/AD     |
| BLAYNEY MEDICAL         | NSW          | YXAY/HLS    | BREWON                 | NSW          | YEW0/ALA    |
| BLENCO FALLS            | QLD          | YBOF/HLS    | BRIDGEWATER            | VIC          | YBGR/ALA    |
| BLENHEIM                | QLD          | YBHN/ALA    | BRIDPORT               | TAS          | YBDP/ALA    |
| BLINMAN                 | SA           | YBLM/ALA    | BRIGHTLANDS            | QLD          | YBTX/ALA    |
| BLOOMFIELD              | QLD          | YBMD/ALA    | BRIGHTON DOWNS         | QLD          | YBTD/ALA    |
| BLOSSOM BANKS           | QLD          | YBSM/HLS    | BRISBANE               | QLD          | YBBN/AD     |
| BLUE LAGOON             | QLD          | YBWH/ALA    | BRISBANE WEST WELLCAMP | QLD          | YBWW/AD     |
| BLUE MOUNTAINS HOSPITAL | NSW          | YXBM/HLS    | BRISBANE/ARCHERFIELD   | QLD          | YBAF/AD     |
| BLUEWATER PARK          | QLD          | YBLP/ALA    | BROCRABEE              | WA           | YBOE/ALA    |
| BOATMAN                 | QLD          | YBOT/ALA    | BROKEN HILL            | NSW          | YBHI/AD     |
| BOBIN MEDICAL           | NSW          | YXOI/HLS    | BRONZEWING             | WA           | YBWG/ALA    |
| BOGGABILLA              | NSW          | YBOL/ALA    | BROOKING SPRINGS HS    | WA           | YBOS/ALA    |
| BOIGU ISLAND            | QLD          | YBOI/ALA    | BROOKLANDS AIR PARK    | SA           | YBAK/ALA    |
| BOLLARDS LAGOON         | SA           | YBLG/ALA    | BROOKLET/BLUEBERRY     | NSW          | YBBF/ALA    |
| BOLLON                  | QLD          | YBLI/ALA    | FIELDS                 |              |             |
| BOLWARRA                | QLD          | YBWR/ALA    | BROOME/INTL            | WA           | YBRM/AD     |
| BOMBALA                 | NSW          | YBOM/ALA    | BROWN BROTHERS         | VIC          | YILA/ALA    |
| BOMBALA MEDICAL         | NSW          | YXOM/HLS    | BROWNS RANGE           | WA           | YBNR/ALA    |
| BON BON                 | SA           | YBBO/ALA    | BROWSE BASIN           | WA           | YBRB/HLS    |
| BOND SPRINGS            | NT           | YBSP/ALA    | BROWSE ISLAND          | WA           | YBWS/HLS    |
| BONNEY DOWNS STN        | WA           | YBYD/ALA    | BRUCE ROCK             | WA           | YBRO/ALA    |
| BOOBY ISLAND            | QLD          | YVND/HLS    | BRUKUNGA/CLAREMONT     | SA           | YCLB/ALA    |
| BOODGE                  | WA           | YBGE/ALA    | BRUNCHILLY STN         | NT           | YBNY/ALA    |
| BOOLEROO CENTRE         | SA           | YBOC/ALA    | BRUNETTE DOWNS         | NT           | YBRU/ALA    |
| BOOLGEEDA               | WA           | YBGD/AD     | BRUNY ISLAND           | TAS          | YBYI/ALA    |
| BOOMI                   | NSW          | YBMI/ALA    | BRYMAROO               | QLD          | YBYO/HLS    |
| BOONAH                  | QLD          | YBOA/ALA    | BUCKINGHAM DOWNS       | QLD          | YBUH/ALA    |

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|---------------------------|--------------|-------------|-------------------------|--------------|-------------|
| BUDGERYGAR STN            | QLD          | YBGT/ALA    | CAMDEN HAVEN            | NSW          | YCMH/ALA    |
| BUKADAL                   | NT           | YBKL/ALA    | CAMEL CREEK             | QLD          | YCMK/ALA    |
| BULGA DOWNS STN           | WA           | YBUG/ALA    | CAMFIELD STN            | NT           | YCFD/ALA    |
| BULGA SURFACE OPERATIONS  | NSW          | YBSO/HLS    | CAMOOWEAL               | QLD          | YCMW/AD     |
| BULGA UNDERGROUND         | NSW          | YBGU/HLS    | CAMP ENGSTROM WOOLSHED  | QLD          | YCSW/ALA    |
| BULGUNNIA                 | SA           | YBUL/ALA    | CAMPBELLTOWN HOSPITAL   | NSW          | YXCP/HLS    |
| BULIMBA                   | QLD          | YBWM/ALA    | CANBERRA                | ACT          | YSCB/AD     |
| BULLA CAMP                | NT           | YBCA/ALA    | CANBERRA HOSPITAL       | ACT          | YXCB/HLS    |
| BULLAMON PLAINS           | QLD          | YBPL/ALA    | CANN RIVER              | VIC          | YCNR/ALA    |
| BULLERINGA                | QLD          | YBUX/ALA    | CANNINGTON STN          | QLD          | YCAM/ALA    |
| BULLIO                    | NSW          | YBLO/ALA    | CANNON HILL COMMUNITY   | NT           | YCAN/ALA    |
| BULLITA                   | NT           | YBIT/ALA    | CANOBIE                 | QLD          | YCBE/ALA    |
| BULLO RIVER VALLEY        | NT           | YBYY/ALA    | CANOPUS PARK            | QLD          | YCPH/ALA    |
| BULLOO DOWNS              | QLD          | YBUO/ALA    | CANOWINDRA MEDICAL      | NSW          | YXAO/HLS    |
| BULMAN/DELARA             | NT           | YDEA/ALA    | CANTEEN CREEK           | NT           | YCCO/ALA    |
| BULWER/MORETON ISLAND     | QLD          | YXBU/HLS    | CANUNGRA HLS            | QLD          | YXCA/HLS    |
| BUNBURY                   | WA           | YBUN/AD     | CAPE BARREN ISLAND      | TAS          | YCBN/ALA    |
| BUNDABERG                 | QLD          | YBUD/AD     | CAPE BORDA              | SA           | YCBO/HLS    |
| BUNDABERG HOSPITAL        | QLD          | YXBD/HLS    | CAPE CAPRICORN          | QLD          | YCPG/HLS    |
| BUNDOORA/GRASSTREE MINE   | QLD          | YGTM/HLS    | CAPE CRAWFORD           | NT           | YCCF/HLS    |
| BUNYAN                    | NSW          | YBUY/ALA    | CAPE DON                | NT           | YCPD/ALA    |
| BURDEKIN WILDERNESS LODGE | QLD          | YBWI/ALA    | CAPE FLATTERY           | QLD          | YCFI/ALA    |
| BURKE AND WILLS           | QLD          | YBKW/ALA    | CAPE LAMBERT            | WA           | YCPH/HLS    |
| BURKETOWN                 | QLD          | YBKT/AD     | CAPE LEVEQUE            | WA           | YCLQ/ALA    |
| BURNIE                    | TAS          | YBUI/HLS    | CAPE MELVILLE           | QLD          | YCME/HLS    |
| BURRA                     | SA           | YURR/HLS    | CAPE OTWAY              | VIC          | YCTY/HLS    |
| BURREN JUNCTION           | NSW          | YBRJ/ALA    | CAPE PRESTON            | WA           | YCPR/AD     |
| BURRUM                    | NT           | YBUR/ALA    | CAPE SHIELD (DJARRAKPI) | NT           | YCHI/ALA    |
| BUSHY PARK                | QLD          | YBHK/ALA    | CAPE TRIBULATION        | QLD          | YCTB/HLS    |
| BUSSELTON                 | WA           | YBLN/AD     | CAPE WILLOUGHBY         | SA           | YCWb/HLS    |
| BUTHEROO STN              | NSW          | YBUT/ALA    | CAPEL                   | WA           | YCAP/ALA    |
| BUTTABONE                 | NSW          | YBTT/ALA    | CAPELLA                 | QLD          | YCEL/ALA    |
| BUYMARR                   | NT           | YBYM/ALA    | CARANDOTTA              | QLD          | YCDT/ALA    |
| CABOOLTURE                | QLD          | YCAB/ALA    | CARAVONICA              | QLD          | YCAV/HLS    |
| CABOOLTURE HOSPITAL       | QLD          | YXLT/HLS    | CARCUMA/CARCORY STATION | SA           | YCST/ALA    |
| CADELL                    | SA           | YCLL/HLS    | CARDOWAN                | QLD          | YCDA/ALA    |
| CADJEBUT                  | WA           | YCAJ/ALA    | CARDWELL/DALLACHY       | QLD          | YCDW/ALA    |
| CADNEY HOMESTEAD          | SA           | YCDH/ALA    | CARINA DOWNS            | QLD          | YCRS/ALA    |
| CAIGUNA                   | WA           | YCAG/ALA    | CARINDA                 | NSW          | YCRA/ALA    |
| CAIRNS HOSPITAL           | QLD          | YCBH/HLS    | CARLTON HILL            | WA           | YCIL/ALA    |
| CAIRNS/CAIRNS INTL        | QLD          | YBCS/AD     | CARNAMAH                | WA           | YCNH/ALA    |
| CALDERVALE STN            | QLD          | YCDV/ALA    | CARNARVON               | WA           | YCAR/AD     |
| CALLINGTON                | SA           | YCTO/ALA    | CARNEGIE HS             | WA           | YCGI/ALA    |
| CALLION                   | WA           | YCAI/ALA    | CAROSUE DAM             | WA           | YSCD/AD     |
| CALOUNDRA                 | QLD          | YCDR/ALA    | CARPENTARIA DOWNS       | QLD          | YCPN/ALA    |
| CALOUNDRA HOSPITAL        | QLD          | YXOU/HLS    | CARRAPATEENA            | SA           | YCPT/AD     |
| CALTON HILLS              | QLD          | YCTS/ALA    | CARRARA                 | QLD          | YCAH/HLS    |
| CALVARY HOSPITAL          | ACT          | YXCY/HLS    | CARRIETON               | SA           | YCRT/ALA    |
| CALVERT HILLS             | NT           | YCVH/ALA    | CASEY SKIWAY            | OTH          | YCSK/ALA    |
| CALVIN GROVE              | SA           | YCVG/ALA    | CASEY STATION           | OTH          | YCAY/HLS    |
| CALWYNYARDAH              | WA           | YCYH/ALA    | CASHMERE DOWNS STN      | WA           | YCHE/ALA    |
| CAMBALLIN                 | WA           | YCBL/ALA    | CASINO                  | NSW          | YCAS/ALA    |
| CAMBERWELL MEDICAL        | NSW          | YXRW/HLS    | CASSILIS                | QLD          | YCSI/ALA    |
| CAMBOOYA                  | QLD          | YCMB/ALA    | CASTERTON               | VIC          | YCTN/ALA    |
| CAMDEN                    | NSW          | YSCN/AD     | CASTLEMAINE             | VIC          | YCAL/ALA    |
|                           |              |             | CEDAR CREEK             | QLD          | YXCD/HLS    |
|                           |              |             | CEDAR MEDICAL           | NSW          | YXCR/HLS    |

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| CEDARS PARK              | QLD          | YCED/ALA    | COFFS HARBOUR           | NSW          | YCFS/AD     |
| CEDUNA                   | SA           | YCDU/AD     | COFFS HARBOUR HOSPITAL  | NSW          | YXOF/HLS    |
| CENTURY MINE             | QLD          | YCNV/AD     | COHUNA                  | VIC          | YCOH/ALA    |
| CERES                    | VIC          | YCES/ALA    | COHUNA HOSPITAL         | VIC          | YXOA/HLS    |
| CERVANTES                | WA           | YCVS/ALA    | COLAC                   | VIC          | YCLC/HLS    |
| CESSNOCK                 | NSW          | YCNK/AD     | COLAC                   | VIC          | YOLA/ALA    |
| CHADWICK                 | SA           | YCHD/ALA    | COLANYA                 | QLD          | YCOL/ALA    |
| CHALLENGER               | SA           | YCGR/ALA    | COLDSTREAM              | VIC          | YCEM/ALA    |
| CHALLENGER SURVEY SHIP   | WA           | YCHN/HLS    | COLEAMBALLY             | NSW          | YCLY/ALA    |
| CHANNEL PT               | NT           | YCNP/ALA    | COLLARENEBRI            | NSW          | YCBR/ALA    |
| CHARLES DARWIN           | NT           | YCDP/HLS    | COLLARENEBRI HOSPITAL   | NSW          | YXCL/HLS    |
| CHARLEVILLE              | QLD          | YBCV/AD     | COLLIE                  | WA           | YCOI/ALA    |
| CHARLIE ONE              | WA           | YCLN/HLS    | COLLINGULLIE MEDICAL    | NSW          | YXIL/HLS    |
| CHARLOTTE PLAINS         | QLD          | YCHA/ALA    | COLLINS ISLAND          | QLD          | YCII/ALA    |
| CHARLTON                 | VIC          | YCHL/ALA    | COLLINS LOWER TULLY     | QLD          | YCLT/ALA    |
| CHARLTON HOSPITAL        | VIC          | YXHC/HLS    | COLLINSVILLE            | QLD          | YCSV/ALA    |
| CHARNLEY RIVER           | WA           | YCYR/ALA    | COLLINSVILLE COAL       | QLD          | YCCL/HLS    |
| CHARTERS TOWERS          | QLD          | YCHT/AD     | COLLINSVILLE HOSPITAL   | QLD          | YXCV/HLS    |
| CHARTERS TOWERS HOSPITAL | QLD          | YXHT/HLS    | COLLYMONGLE             | NSW          | YCLM/ALA    |
| CHATSWORTH STATION       | QLD          | YCTH/ALA    | COLONSAY                | QLD          | YCLS/ALA    |
| CHEEPIE                  | QLD          | YCPH/ALA    | COLUMBINE MEDICAL       | NSW          | YXUB/HLS    |
| CHERBOURG HOSPITAL       | QLD          | YXCH/HLS    | COME BY CHANCE          | NSW          | YCBC/ALA    |
| CHERRABAH                | QLD          | YCHB/ALA    | COMMANCHE               | QLD          | YCMC/ALA    |
| CHERRY GARDENS           | SA           | YSCC/ALA    | COMMODORE               | SA           | YCMD/ALA    |
| CHESTERFIELD             | QLD          | YCHQ/ALA    | COMMONWEALTH HILL       | SA           | YCWH/ALA    |
| CHEVIOT HILLS            | QLD          | YCHS/ALA    | COMPRESSOR STN 1        | WA           | YCSD/ALA    |
| CHILDERS                 | QLD          | YCHS/ALA    | COMPRESSOR STN 2        | WA           | YCSE/ALA    |
| CHILLAGOE                | QLD          | YCGO/AD     | COMPRESSOR STN 3        | WA           | YCSA/ALA    |
| CHINCHILLA               | QLD          | YCCA/AD     | COMPRESSOR STN 4        | WA           | YCSF/ALA    |
| CHINCHILLA HOSPITAL      | QLD          | YXCI/HLS    | COMPRESSOR STN 5        | WA           | YCSB/ALA    |
| CHRISTMAS CREEK          | WA           | YCHK/AD     | COMPRESSOR STN 6        | WA           | YCSA/ALA    |
| CHRISTMAS ISLAND         | OTH          | YPXM/AD     | CONCORD HOSPITAL        | NSW          | YXCC/HLS    |
| CHUULANGUN               | QLD          | YCHU/ALA    | CONDOBOLIN              | NSW          | YCDO/AD     |
| CLARA CREEK/DUNGOWAN     | QLD          | YDUG/ALA    | CONDOBOLIN MEDICAL      | NSW          | YXOL/HLS    |
| CLARAVALE                | NT           | YCLV/ALA    | CONJUBOY                | QLD          | YCJU/ALA    |
| CLARE                    | SA           | YCLA/HLS    | CONNELLANS WILDMAN      | NT           | YCWG/ALA    |
| CLARE VALLEY             | SA           | YCVA/ALA    | LAGOON CAMP             |              |             |
| CLARKE ISLAND            | TAS          | YCKD/ALA    | CONSUELO                | QLD          | YCSL/ALA    |
| CLERMONT                 | QLD          | YCMT/AD     | COOPER PEDY             | SA           | YCBP/AD     |
| CLERMONT HOSPITAL        | QLD          | YXCT/HLS    | COOINDA                 | NT           | YCOO/ALA    |
| CLEVE                    | SA           | YCEE/AD     | COOK                    | SA           | YOOK/ALA    |
| CLIFTON                  | QLD          | YCFN/ALA    | COOKTOWN                | QLD          | YCKN/AD     |
| CLIFTON HILLS            | SA           | YCFH/ALA    | COOKTOWN HEALTH SERVICE | QLD          | YXCO/HLS    |
| CLONCURRY                | QLD          | YCCY/AD     | COOLAH                  | NSW          | YCAH/ALA    |
| CLONCURRY HOSPITAL       | QLD          | YXCS/HLS    | COOLAH HOSPITAL         | NSW          | YXOH/HLS    |
| CLUNY                    | QLD          | YUNY/ALA    | COOLAMON MEDICAL        | NSW          | YXLN/HLS    |
| COBAR                    | NSW          | YCBA/AD     | COOLATAI                | NSW          | YCTA/ALA    |
| COBDEN                   | VIC          | YCDE/ALA    | COOLAWANYAH STN         | WA           | YCWY/ALA    |
| COBIA PLATFORM           | VIC          | YUBX/HLS    | COOLGARDIE              | WA           | YCLG/ALA    |
| COBRAM                   | VIC          | YCBM/HLS    | COOLULLAH               | QLD          | YCLH/ALA    |
| COCKATOO ISLAND          | WA           | YCTI/ALA    | COOMA - POLO FLAT       | NSW          | YPFT/ALA    |
| COCKLEBIDDY              | WA           | YCKY/ALA    | COOMA - SNOWY MOUNTAINS | NSW          | YCOM/AD     |
| COCONUT ISLAND           | QLD          | YCCT/ALA    | COOMA HOSPITAL          | NSW          | YXCM/HLS    |
| COCOS (KEELING) ISLANDS  | OTH          | YPCC/AD     | COOMALIE CREEK          | NT           | YCCR/ALA    |
| COEN                     | QLD          | YCOE/AD     | COOMBING PARK           | NSW          | YCPK/ALA    |
| COEN TOWN                | QLD          | YCTP/ALA    | COOMINYA                | QLD          | YBCM/ALA    |
| COFFIN BAY               | SA           | YCOF/ALA    | COONABARABRAN           | NSW          | YCBB/AD     |
|                          |              |             | COONABARABRAN HOSPITAL  | NSW          | YXAB/HLS    |

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| COONALPYN                | SA           | YCYN/HLS    | CUNGELELLA              | QLD          | YCGL/ALA    |
| COONAMBLE                | NSW          | YCNM/AD     | CUNGULLA HELIPAD        | QLD          | YCUL/HLS    |
| COONAMBLE MEDICAL        | NSW          | YXON/HLS    | CUNNAMULLA              | QLD          | YCMU/AD     |
| COONANA                  | WA           | YCNN/ALA    | CUNNINGHAMS GAP         | QLD          | YXCU/HLS    |
| COONAWARRA               | SA           | YCNQ/ALA    | CURRANDOOLEY            | NSW          | YCRD/ALA    |
| COONDAMBO                | SA           | YCDB/ALA    | CURRAWILLA HS           | QLD          | YCUW/ALA    |
| COONDEWANNA              | WA           | YCWA/AD     | CURTIN                  | WA           | YCIN/AD     |
| COORABIE                 | SA           | YCRB/ALA    | CURTIN SPRINGS          | NT           | Y CSP/ALA   |
| COORANGA                 | SA           | YCNG/ALA    | CURTIS ISLAND/QLNG      | QLD          | YQCI/HLS    |
| COOTAMUNDRA              | NSW          | YCTM/AD     | DAGWORTH                | QLD          | YDAG/ALA    |
| COOTAMUNDRA HOSPITAL     | NSW          | YXOO/HLS    | DAIRY CREEK HS          | WA           | YDRC/ALA    |
| COPPERLODE DAM           | QLD          | YCLD/HLS    | DAJARRA                 | QLD          | YDAJ/ALA    |
| CORAL BAY                | WA           | YCOY/ALA    | DALBEG                  | QLD          | YDBG/ALA    |
| CORDILLO DOWNS           | SA           | YCOD/ALA    | DALBY                   | QLD          | YDAY/ALA    |
| CORELLA PARK             | QLD          | YCRP/ALA    | DALBY HOSPITAL          | QLD          | YXDA/HLS    |
| CORFIELD                 | QLD          | YCFE/ALA    | DALE RIVER              | WA           | YDVE/ALA    |
| CORK TREE WELL           | WA           | YCTW/ALA    | DALGARANGA MINE         | WA           | YDGA/AD     |
| CORMORANT                | QLD          | YCOT/ALA    | DALGARANGA STN          | WA           | YDGR/ALA    |
| CORNY PT                 | SA           | YCOP/HLS    | DALGETY DOWNS STN       | WA           | YDGT/ALA    |
| COROWA                   | NSW          | YCOR/AD     | DALGONALLY              | QLD          | YDAL/ALA    |
| COROWA DOWNS             | QLD          | YCWN/ALA    | DALHOUSIE               | SA           | YDLH/ALA    |
| CORRIGIN                 | WA           | YCIG/ALA    | DALKEITH                | QLD          | YDKH/ALA    |
| CORRYONG                 | VIC          | YCRG/AD     | DALWALLINU              | WA           | YDWU/ALA    |
| COSMO NEWBERRY           | WA           | YCOS/ALA    | DALY RIVER MISSION      | NT           | YDMN/ALA    |
| COTTAGE PT               | NSW          | YCGP/ALA    | DALY WATERS             | NT           | YDLW/ALA    |
| COTTEN CREEK             | WA           | YCTC/ALA    | DAMPIER PENINSULA/      | WA           | YCYG/ALA    |
| COURAN COVE              | QLD          | YCOV/HLS    | CYGNET BAY              |              |             |
| COW BAY                  | QLD          | YCBY/HLS    | DARLINGTON              | TAS          | YDAR/ALA    |
| COW BAY OFF SITE HELIPAD | QLD          | YXOB/HLS    | DARLOT                  | WA           | YDLO/ALA    |
| COWARIE                  | SA           | YCWl/ALA    | DARNLEY ISLAND          | QLD          | YDNI/ALA    |
| COWELL                   | SA           | YCWl/ALA    | DARR RIVER DOWNS        | QLD          | YDRE/ALA    |
| COWES                    | VIC          | YCWS/HLS    | DARWIN                  | NT           | YPDN/AD     |
| COWL COWL                | NSW          | YCLO/ALA    | DAUAN ISLAND            | QLD          | YDAI/HLS    |
| COWRA                    | NSW          | YCWR/AD     | DAVENPORT DOWNS         | QLD          | YDPD/ALA    |
| COWRA HOSPITAL           | NSW          | YXCW/HLS    | DAVIS PLATEAU SKIWAY    | OTH          | YDAV/ALA    |
| COX BIGHT                | TAS          | YXCB/HLS    | DAVIS SEA ICE SKIWAY    | OTH          | YDSI/ALA    |
| COYOTE MINE              | WA           | YCYE/ALA    | DAVIS STATION           | OTH          | YDSN/HLS    |
| CRADLE MOUNTAIN          | TAS          | YCRM/HLS    | DAY DREAM ISLAND        | QLD          | YDDI/HLS    |
| CRAIG'S POCKET           | QLD          | YCIP/ALA    | DE GREY HS              | WA           | YDGY/ALA    |
| CRANBOURN                | TAS          | YCRN/ALA    | DE ROSE HILL            | SA           | YDRL/ALA    |
| CRAVEN MEDICAL           | NSW          | YXAV/HLS    | DEEP WATER POINT        | WA           | YDWP/ALA    |
| CRAVENS PEAK             | QLD          | YCVK/ALA    | DEEP WELL               | NT           | YDPW/ALA    |
| CRESSY                   | VIC          | YCRE/ALA    | DEGRUSSA                | WA           | YDGU/AD     |
| CROKER ISLAND            | NT           | YCKI/AD     | DELAMERE RANGE FACILITY | NT           | YDWF/AD     |
| CROOKWELL                | NSW          | YCRL/ALA    | DELAMERE STN            | NT           | YDMR/ALA    |
| CROOKWELL RFS            | NSW          | YXOK/HLS    | DELEGATE                | NSW          | YDEG/ALA    |
| CROSSMORE                | QLD          | YCSM/ALA    | DELISSAVILLE            | NT           | YDLV/ALA    |
| CROWN TOWERS HELIPORT    | WA           | YCRO/HLS    | DELMORE DOWNS           | NT           | YDLQ/ALA    |
| CROWS NEST               | QLD          | YCNT/HLS    | DELORAINIE ISLAND       | QLD          | YDLR/HLS    |
| CROYDON                  | QLD          | YCRY/ALA    | DELTA DOWNS             | QLD          | YDLT/ALA    |
| CRYSTAL BROOK            | QLD          | YCYT/ALA    | DENABLING               | WA           | YDBL/ALA    |
| CRYSTAL CASCADES         | QLD          | YCYC/HLS    | DENILQUIN               | NSW          | YDLQ/AD     |
| CRYSTAL VALE             | QLD          | YCYV/ALA    | DENMAN                  | NSW          | YDEN/ALA    |
| CUDAL MEDICAL            | NSW          | YXUD/HLS    | DENMAN HOSPITAL         | NSW          | YXDE/HLS    |
| CUDDAPAN                 | QLD          | YCUD/ALA    | DENMARK                 | WA           | YDEK/ALA    |
| CUE                      | WA           | YCUE/AD     | DEPOT OUTCAMP           | WA           | YDPT/ALA    |
| CUMMINS TOWN             | SA           | YCMN/ALA    | DERBY                   | WA           | YDBY/AD     |
| CUNDERDIN                | WA           | YCUN/AD     | DERBY MEDICAL           | TAS          | YXDM/HLS    |



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| DERRINALLUM            | VIC          | YDER/ALA    | DUNBAR                  | QLD          | YDBR/ALA    |
| DERWENT BRIDGE         | TAS          | YDRW/HLS    | DUNDEE PARK             | QLD          | YDDP/ALA    |
| DEVIL CREEK            | WA           | YDVC/HLS    | DUNEDOO HOSPITAL        | NSW          | YXDN/HLS    |
| DEVONCOURT             | QLD          | YDEV/ALA    | DUNK ISLAND             | QLD          | YDKI/ALA    |
| DEVONPORT              | TAS          | YDPO/AD     | DUNMORE/OPAL CREEK      | QLD          | YAOC/ALA    |
| DEXFIELD PARK          | NSW          | YDFD/ALA    | DUNWICH                 | QLD          | YDUN/ALA    |
| DHALINYBUY             | NT           | YDHL/ALA    | DUNWICH HOSPITAL        | QLD          | YXDU/HLS    |
| DHANIYA                | NT           | YDHA/HLS    | DUPUWARRMIRRI           | NT           | YDUP/ALA    |
| DHIPIRRI               | NT           | YDHI/ALA    | DURHAM DOWNS            | QLD          | YDRH/ALA    |
| DHURUPUTJPI            | NT           | YDHP/ALA    | DURRIE                  | QLD          | YDRI/ALA    |
| DIEMAL FIND            | WA           | YDMF/ALA    | DWELLINGUP              | WA           | YDWG/ALA    |
| DIG TREE               | QLD          | YDIG/ALA    | DYKE POINT              | NSW          | YDYP/HLS    |
| DIMBOOLA               | VIC          | YDMB/HLS    | DYNEVOR DOWNS           | QLD          | YDNV/ALA    |
| DIMBULAH               | QLD          | YDIM/ALA    | DYSART                  | QLD          | YDYS/ALA    |
| DINAH ISLAND           | QLD          | YDIN/ALA    | DYSART HOSPITAL         | QLD          | YXDY/HLS    |
| DINGADEE               | QLD          | YDNG/ALA    | EAGLEHAWK NECK MEDICAL  | TAS          | YXEA/HLS    |
| DIRK HARTOG ISLAND     | WA           | YDHD/ALA    | EARAHEEDY               | WA           | YERH/ALA    |
| DIRRANBANDI            | QLD          | YDBI/AD     | EAST INTERCOURSE        | WA           | YEII/HLS    |
| DIXALEA/MCMaster FIELD | QLD          | YMMD/ALA    | EAST JAURDI             | WA           | YEJI/AD     |
| DIXIE                  | QLD          | YDIX/ALA    | EAST RIDGE MEDICAL      | NSW          | YXET/HLS    |
| DJARINDJIN/LOMBADINA   | WA           | YLBD/AD     | EAST SALE               | VIC          | YMES/AD     |
| DOCHRA                 | NSW          | YDOC/ALA    | EAST WALLABI ISLAND     | WA           | YEWI/ALA    |
| DOCKER RIVER           | NT           | YDVR/ALA    | EASTERN CREEK           | NSW          | YECK/HLS    |
| DOCKLANDS              | VIC          | YDKL/HLS    | ECHUCA                  | VIC          | YECH/AD     |
| DOLPHIN PLATFORM       | VIC          | YUPA/HLS    | ECHUNGA                 | SA           | YECU/HLS    |
| DONALD                 | VIC          | YDOD/AD     | ECO BEACH               | WA           | YECB/ALA    |
| DONGARA                | WA           | YDRA/ALA    | EDEN MEDICAL            | NSW          | YXEM/HLS    |
| DONNINGTON AIRPARK     | QLD          | YDOP/ALA    | EDENHOPE                | VIC          | YEDE/ALA    |
| DONORS HILL            | QLD          | YDOO/ALA    | EDINBURGH               | SA           | YPED/AD     |
| DONYDJI                | NT           | YDHJ/ALA    | EDITHBURGH              | SA           | YEDB/ALA    |
| DOOLOOGARAH            | QLD          | YDLG/ALA    | EDMUND STN              | WA           | YEDM/ALA    |
| DOOMADGEE              | QLD          | YDMG/AD     | EIDSVOLD                | QLD          | YESD/ALA    |
| DOONGAN                | WA           | YDGN/ALA    | EIDSVOLD HOSPITAL       | QLD          | YXEI/HLS    |
| DOONGMABULLA           | QLD          | YDNB/ALA    | EIGHT MILE CREEK        | WA           | YEMC/ALA    |
| DORISVALE              | NT           | YDSV/ALA    | EINASLEIGH              | QLD          | YEIN/ALA    |
| DORRIGO MEDICAL        | NSW          | YXDG/HLS    | EL QUESTRO              | WA           | YEQO/ALA    |
| DORUNDA STATION        | QLD          | YDOR/ALA    | EL SHARANA              | NT           | YESH/ALA    |
| DOTSWOOD               | QLD          | YDOT/ALA    | ELCHO ISLAND            | NT           | YELD/AD     |
| DOUGLAS DALY           | NT           | YDDY/ALA    | ELDERSLIE               | NSW          | YEES/ALA    |
| DOVER MEDICAL          | TAS          | YXDV/HLS    | ELEANOR DOWNS           | SA           | YEDW/ALA    |
| DOWERIN                | WA           | YDON/ALA    | ELGIN DOWNS             | QLD          | YEGS/ALA    |
| DOYLES MEDICAL         | NSW          | YXDO/HLS    | ELIWANA                 | WA           | YEWA/AD     |
| DROUIN                 | VIC          | YDRN/ALA    | ELIZABETH DOWNS STATION | NT           | YELZ/ALA    |
| DRUMDUFF STATION       | QLD          | YDDF/ALA    | ELIZABETH QUAY          | WA           | YEQY/ALA    |
| DRUMLION               | QLD          | YDLN/ALA    | ELKEDRA                 | NT           | YELK/ALA    |
| DRY RIVER              | QLD          | YDRV/ALA    | ELLENDALÉ MINE          | WA           | YELI/ALA    |
| DRYSDALE RIVER         | WA           | YDRD/ALA    | ELLENDALÉ STN           | WA           | YELA/ALA    |
| DUARINGA               | QLD          | YDRG/ALA    | ELLENSBROOK VINEYARD    | WA           | YEBV/ALA    |
| DUBBO                  | NSW          | YSDU/AD     | ELLERSTON               | NSW          | YESN/ALA    |
| DUBBO HOSPITAL         | NSW          | YXDB/HLS    | ELLERSTON MEDICAL       | NSW          | YXER/HLS    |
| DUBBO/WINGS OUT WEST   | NSW          | YWOW/ALA    | ELLIOTT                 | NT           | YELL/ALA    |
| DUKETON                | WA           | YDUK/ALA    | ELLISTON                | SA           | YELN/ALA    |
| DUKETON GOLD           | WA           | YDKG/AD     | ELMORE                  | VIC          | YELM/ALA    |
| DULACCA                | QLD          | YDLC/ALA    | ELROSE                  | QLD          | YESE/ALA    |
| DULKANINNA             | SA           | YDLK/ALA    | EMERALD                 | QLD          | YEMI/AD     |
| DULLINGARI             | SA           | YDGI/ALA    | EMKAYTEE                | NT           | YMKT/ALA    |
| DUM IN MIRRIE ISLAND   | NT           | YDII/ALA    | EMU PARK                | QLD          | YEMP/ALA    |
| DUMBLYUNG              | WA           | YDUM/ALA    | EMU POINT               | NT           | YEPT/ALA    |

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| EMU SPRINGS             | NT           | YEMU/ALA    | FLORA VALLEY           | WA           | YFLO/ALA    |
| ENEABBA                 | WA           | YEED/ALA    | FLOUNDER PLATFORM      | VIC          | YULX/HLS    |
| ENOGGERA HELIPORT       | QLD          | YENO/HLS    | FLYNN REEF             | QLD          | YFLY/HLS    |
| EPENARRA                | NT           | YEPR/ALA    | FORBES                 | NSW          | YFBS/AD     |
| EPIC ENERGY FIVE        | SA           | YEPE/ALA    | FORBES HOSPITAL        | NSW          | YXFO/HLS    |
| EPIC ENERGY FOUR        | SA           | YEPD/ALA    | FOREST RIVER MISSION   | WA           | YFRV/ALA    |
| EPIC ENERGY ONE         | SA           | YEPA/ALA    | FOREST VALE            | QLD          | YFRS/ALA    |
| EPIC ENERGY THREE       | SA           | YEPD/ALA    | FORREST                | WA           | YFRT/AD     |
| EPIC ENERGY TWO         | SA           | YEPB/ALA    | FORRESTANIA            | WA           | YFTA/AD     |
| EPSILON                 | QLD          | YEPL/ALA    | FORSAYTH               | QLD          | YFSA/ALA    |
| ERINA HELIPORT          | NSW          | YEHP/HLS    | FORT CONSTANTINE       | QLD          | YFCN/ALA    |
| ERINGOARRAH             | NSW          | YERI/ALA    | FORT COOPER            | QLD          | YFTC/ALA    |
| ERLDUNDA                | NT           | YERL/ALA    | FORTESCUE DAVE FORREST | WA           | YFDF/AD     |
| ERNABELLA               | SA           | YERN/ALA    | FORTESQUE PLATFORM     | VIC          | YUSU/HLS    |
| ERNESTINA PLAINS        | QLD          | YERS/ALA    | FORTNUM                | WA           | YFOR/ALA    |
| EROMANGA                | QLD          | YEMG/ALA    | FOSSIL DOWNS STN       | WA           | YFOS/ALA    |
| ERONG STN               | WA           | YERO/ALA    | FOSTER                 | VIC          | YFTR/HLS    |
| ERRABIDY HS             | WA           | YERA/ALA    | FRANKLAND ISLAND       | QLD          | YFRA/HLS    |
| ERUDINA                 | SA           | YERU/ALA    | FRANKLAND VALLEY       | WA           | YFRK/ALA    |
| ESK HOSPITAL            | QLD          | YXES/HLS    | FRANKSTON HOSPITAL     | VIC          | YXFR/HLS    |
| ESPERANCE               | WA           | YESP/AD     | FREGON                 | SA           | YFRG/ALA    |
| ETADUNNA                | SA           | YEDA/ALA    | FREMANTLE HELIPORT     | WA           | YFTL/HLS    |
| EUABALONG               | NSW          | YEAB/ALA    | FRESHWATER VALLEY      | QLD          | YFWV/HLS    |
| EUCLA                   | WA           | YECL/ALA    | FREYCINET PENINSULA    | TAS          | YXFP/HLS    |
| EUCLA TOWN              | WA           | YECT/ALA    | MEDICAL                |              |             |
| EUDAMULLA STN           | WA           | YEUD/ALA    | FRIENDLY BEACHES       | TAS          | YFRI/ALA    |
| EUDUNDA                 | SA           | YEDD/HLS    | FROGS HOLLOW           | NSW          | YFGS/ALA    |
| EULO                    | QLD          | YEUD/ALA    | FROME DOWNS            | SA           | YFRD/ALA    |
| EURELLA STATION         | QLD          | YEUL/ALA    | FSO LIBERDADE          | WA           | YLIB/HLS    |
| EUROA                   | VIC          | YEUA/ALA    | GABO ISLAND            | VIC          | YGBO/ALA    |
| EUROKA SPRINGS          | QLD          | YEUK/ALA    | GALLIPOLI              | NT           | YGLP/ALA    |
| EVA DOWNS               | NT           | YEVA/ALA    | GALWAY DOWNS           | QLD          | YGWD/ALA    |
| EVA VALLEY              | NT           | YEVV/ALA    | GAMBOOLA               | QLD          | YGAM/ALA    |
| EVANDALE                | QLD          | YEVL/HLS    | GAMURRUGUYURRU         | NT           | YGMG/ALA    |
| EVANS HEAD              | NSW          | YEVD/ALA    | GAN GAN                | NT           | YGAN/ALA    |
| EVELYN DOWNS            | SA           | YEYD/ALA    | GARANGULA STN          | NSW          | YGRA/HLS    |
| EVERARD PARK/MIMILI     | SA           | Y EVP/ALA   | GARDEN ISLAND HELIPORT | WA           | YGAD/HLS    |
| EVESHAM                 | QLD          | YEVN/ALA    | GARDEN POINT           | NT           | YGPT/AD     |
| EXMOUTH                 | WA           | YEXM/ALA    | GARMARRAWON            | NT           | YGMW/ALA    |
| FACING ISLAND           | QLD          | YFLD/HLS    | GARMEDI                | NT           | YGAI/ALA    |
| FAIRLIGHT               | QLD          | YFLT/ALA    | GARRATHALA             | NT           | YGTA/ALA    |
| FAIRY BOWER             | NSW          | YFBR/ALA    | GARRYAK                | NT           | YGRK/ALA    |
| FALLS CREEK             | VIC          | YFLK/HLS    | GASCOYNE JUNCTION      | WA           | YGSC/ALA    |
| FARAWAY BAY             | WA           | YFWY/ALA    | GATTON AIRPARK         | QLD          | YGAS/ALA    |
| FARNSFIELD              | QLD          | YFAR/ALA    | GATTON HOSPITAL        | QLD          | YXGA/HLS    |
| FEDERATION              | NSW          | YFDN/ALA    | GAWA                   | NT           | YGAA/ALA    |
| FINCH HATTON            | QLD          | YFHA/ALA    | GAWLER                 | SA           | YGAW/ALA    |
| FINKE                   | NT           | YFNE/ALA    | GAYNDAH                | QLD          | YGAY/AD     |
| FINUCANE ISLAND         | WA           | YFIN/HLS    | GAYNDAH HOSPITAL       | QLD          | YXGI/HLS    |
| FIONA STANLEY HOSPITAL  | WA           | YXFH/HLS    | GEEBUNG                | WA           | YGEE/ALA    |
| FISHER                  | NT           | YFSR/ALA    | GEELONG HOSPITAL       | VIC          | YGEH/HLS    |
| FITZROY CROSSING        | WA           | YFTZ/AD     | GEORGE TOWN (TAS)      | TAS          | YGTO/ALA    |
| FLETCHERVIEW            | QLD          | YFLV/ALA    | GEORGETOWN (QLD)       | QLD          | YGTN/AD     |
| FLINDERS ISLAND         | TAS          | YFLI/AD     | GERALDTON              | WA           | YGEL/AD     |
| FLINDERS ISLAND         | SA           | YFLS/ALA    | GIBB RIVER             | WA           | YGIB/ALA    |
| FLINDERS MEDICAL CENTRE | SA           | YXFM/HLS    | GIDGEE                 | WA           | YGID/ALA    |
| FLINDERS NAVAL DEPOT    | VIC          | YFND/HLS    | GIFFORD CREEK STN      | WA           | YGIF/ALA    |
| FLORA REEF              | QLD          | YFLF/HLS    | GILBERTON STATION      | QLD          | YGBS/ALA    |

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| GILES                 | WA           | YGLS/ALA    | GOULBURN HOSPITAL      | NSW          | YXGH/HLS    |
| GILES PT              | WA           | YGPI/ALA    | GOVE                   | NT           | YPGV/AD     |
| GILGANDRA             | NSW          | YGIL/ALA    | GOVERNMENT HOUSE (VIC) | VIC          | YGOH/HLS    |
| GILGANDRA HOSPITAL    | NSW          | YXGR/HLS    | GRAFTON                | NSW          | YGFN/AD     |
| GINBATA               | WA           | YGIA/AD     | GRAFTON HOSPITAL       | NSW          | YXGP/HLS    |
| GINDALBIE HS          | WA           | YGDL/ALA    | GRAMPIANS              | VIC          | YGMP/ALA    |
| GINGIN                | WA           | YGIG/AD     | GRANADA STATION        | QLD          | YGNA/ALA    |
| GIRALIA               | WA           | YGIR/ALA    | GRANITE PEAK           | WA           | YGRP/ALA    |
| GISBORNE              | VIC          | YGIS/HLS    | GREAT KEPPEL ISLAND    | QLD          | YGKL/ALA    |
| GLADEVALE HS          | QLD          | YGDV/ALA    | GREAT LAKE             | TAS          | YGTL/HLS    |
| GLADSTONE             | QLD          | YGLA/AD     | GREAT LAKES AIRFIELD   | VIC          | YGRL/ALA    |
| GLADSTONE HOSPITAL    | QLD          | YXDT/HLS    | GREAT WESTERN          | VIC          | YGTW/HLS    |
| GLADSTONE/PLAYSTATION | NSW          | YPLS/ALA    | GREEN ISLAND (CAIRNS)  | QLD          | YGNI/HLS    |
| GLEN GARLAND STATION  | QLD          | YGGL/ALA    | GREENMOUNT             | QLD          | YGMT/ALA    |
| GLEN HELEN            | NT           | YGLH/ALA    | GREENVALE              | QLD          | YGNV/ALA    |
| GLEN INNES            | NSW          | YGLI/AD     | GREGORY DOWNS          | QLD          | YGDS/ALA    |
| GLEN INNES MEDICAL    | NSW          | YXGE/HLS    | GREGORY SPRINGS        | QLD          | YGGG/ALA    |
| GLEN PRARIE           | QLD          | YGPE/ALA    | GRENFELL MEDICAL       | NSW          | YXGL/HLS    |
| GLEN RUTH             | QLD          | YGRU/ALA    | GREYMARE/MOUNTAIN      | QLD          | YGMS/ALA    |
| GLENAMPLE HELIPORT    | VIC          | YGHP/HLS    | STATION                |              |             |
| GLENBROOK HLS         | NSW          | YGBK/HLS    | GRIFFITH               | NSW          | YGTH/AD     |
| GLENBROOK NPWS        | NSW          | YGLK/HLS    | GROOTE EYLANDT         | NT           | YGTE/AD     |
| GLENCOE               | NSW          | YGLC/ALA    | GRUNDY STREET HELIPAD  | QLD          | YGST/HLS    |
| GLENDAMBO             | SA           | YGLD/ALA    | GRUYERE                | WA           | YGRM/AD     |
| LENDELL MINE          | NSW          | YGLM/HLS    | GUDAI-DARRI MINE       | WA           | YKDD/AD     |
| LENDEVIE              | TAS          | YGVE/ALA    | GUDJEKBINJ             | NT           | YGTJ/ALA    |
| LENGYLE               | QLD          | YGLE/ALA    | GULGONG                | NSW          | YGGG/ALA    |
| LENORE                | QLD          | YGNR/ALA    | GULGONG HOSPITAL       | NSW          | YXGT/HLS    |
| LENORMISTON           | QLD          | YGLO/ALA    | GULLEWA                | WA           | YGUL/ALA    |
| LENREAGH MEDICAL      | NSW          | YXGG/HLS    | GUMARRIRNBANG          | NT           | YGUB/ALA    |
| LENROY ESTATE         | SA           | YGLN/ALA    | GUMERACHA              | SA           | YGCA/HLS    |
| LENROY STN            | WA           | YGLR/ALA    | GUNBOWER               | VIC          | YGBW/ALA    |
| GLOUCESTER            | NSW          | YGCR/ALA    | GUNDAGAI MEDICAL       | NSW          | YXGW/HLS    |
| GLOUCESTER MEDICAL    | NSW          | YXGC/HLS    | GUNDAROO               | NSW          | YGDO/ALA    |
| GNARWARRE             | VIC          | YGNE/ALA    | GUNNAWARRA             | QLD          | YGUW/ALA    |
| GNOWANGERUP           | WA           | YGNW/AD     | GUNNEDAH               | NSW          | YGDH/AD     |
| GOLD COAST            | QLD          | YBCG/AD     | GUNNEDAH HOSPITAL      | NSW          | YXGU/HLS    |
| GOLD COAST HELITOURS  | QLD          | YGHT/HLS    | GURRUMURRU             | NT           | YGUM/ALA    |
| GOLD COAST UNIVERSITY | QLD          | YXHG/HLS    | GWINGANNA              | QLD          | YGWG/HLS    |
| HOSPITAL              |              |             | GYMPIE                 | QLD          | YGYM/ALA    |
| GOLDEN GROVE          | WA           | YGGE/AD     | GYMPIE HOSPITAL        | QLD          | YXGY/HLS    |
| GOLDFIELDS/LOLOMA     | QLD          | YGOD/HLS    | HAASTS BLUFF           | NT           | YHAA/ALA    |
| GOODOOGA              | NSW          | YGDA/AD     | HADDON RIG             | NSW          | YHRG/ALA    |
| GOODWYN PLATFORM      | WA           | YGWN/HLS    | HAHNDORF               | SA           | YHHN/HLS    |
| GOOLGOWI              | NSW          | YGGI/ALA    | HAIG                   | WA           | YHAG/ALA    |
| GOOLWA                | SA           | YGWA/ALA    | HALIBUT PLATFORM       | VIC          | YUAL/HLS    |
| GOOMALLING            | WA           | YGOM/ALA    | HALL                   | NSW          | YHAL/ALA    |
| GOONDIWINDI           | QLD          | YGDI/AD     | HALLS CREEK            | WA           | YHLC/AD     |
| GOONDIWINDI HOSPITAL  | QLD          | YXGO/HLS    | HAMERSLEY              | WA           | YHMY/ALA    |
| GOONOO FEEDLOT        | QLD          | YGNO/ALA    | HAMILTON               | VIC          | YHML/AD     |
| GOONOO GOONOO HS      | NSW          | YGGO/ALA    | HAMILTON               | SA           | YHMT/ALA    |
| GOONOO GOONOO MEDICAL | NSW          | YXGN/HLS    | HAMILTON ISLAND        | QLD          | YBHM/AD     |
| GORDON                | QLD          | YGRN/ALA    | HAMLEY BRIDGE          | SA           | YHBG/HLS    |
| GORDON DOWNS          | WA           | YGDN/ALA    | HAPPY BAY              | QLD          | YHPB/HLS    |
| GORE/ROOAROO          | QLD          | YGRO/ALA    | HAPPY VALLEY           | QLD          | YHPY/ALA    |
| GORRIE                | NT           | YGOR/ALA    | HARDEN                 | NSW          | YHAE/ALA    |
| GOSFORD HOSPITAL      | NSW          | YXGS/HLS    | HARRIS CREEK           | NT           | YHSC/ALA    |
| GOULBURN              | NSW          | YGLB/AD     | HARRISMITH             | WA           | YHAR/ALA    |

| <b>LOCATION</b>         | <b>STATE</b> | <b>CODE</b> | <b>LOCATION</b>       | <b>STATE</b> | <b>CODE</b> |
|-------------------------|--------------|-------------|-----------------------|--------------|-------------|
| HARTREE                 | QLD          | YHRT/ALA    | HOMESGLEN             | VIC          | YHGN/ALA    |
| HARTS RANGE             | NT           | YHTS/ALA    | HONEYMOON             | SA           | YHON/ALA    |
| HASTINGS REEF           | QLD          | YHSR/HLS    | HOOKER CREEK          | NT           | YHOO/ALA    |
| HAWKER                  | SA           | YHAW/ALA    | HOPETOUN              | VIC          | YHPN/AD     |
| HAY                     | NSW          | YHAY/AD     | HOPEVALE              | QLD          | YHPV/ALA    |
| HAY HOSPITAL            | NSW          | YXHY/HLS    | HORN ISLAND           | QLD          | YHID/AD     |
| HAY POINT               | QLD          | YHPT/HLS    | HORNSBY KU-RING-GAI   | NSW          | YXHK/HLS    |
| HAYES CREEK             | NT           | YHAC/ALA    | HOSPITAL              |              |             |
| HAYFIELD                | NT           | YHFD/ALA    | HORSESHOE LIGHTS MINE | WA           | YHSL/ALA    |
| HAYMAN ISLAND           | QLD          | YHYN/HLS    | HORSHAM               | VIC          | YHSM/AD     |
| HAZELTON                | QLD          | YHAZ/ALA    | HOWARD ISLAND         | NT           | YHOA/ALA    |
| HEADINGLY               | QLD          | YHDY/ALA    | HOWEY REEF            | QLD          | YHOW/HLS    |
| HEALESVILLE             | VIC          | YHSV/HLS    | HOYLETON              | SA           | YHYL/ALA    |
| HEATHLANDS              | QLD          | YHTL/ALA    | HUCKITTA              | NT           | YHKT/ALA    |
| HECK FIELD              | QLD          | YHEC/ALA    | HUGH RIVER            | NT           | YHGR/ALA    |
| HEDLEY REEF             | QLD          | YHED/HLS    | HUGHENDEN             | QLD          | YHUG/AD     |
| HEDLOW                  | QLD          | YHEW/ALA    | HUGHENDEN HOSPITAL    | QLD          | YXHU/HLS    |
| HEIDELBERG WEST HELIPAD | VIC          | YHBH/HLS    | HUGHES SIDING         | SA           | YHGS/ALA    |
| HELEN SPRINGS           | NT           | YHLN/ALA    | HUMBERT RIVER         | NT           | YHBR/ALA    |
| HELENVALE               | QLD          | YHEL/HLS    | HUNGERFORD            | QLD          | YHRD/ALA    |
| HELLS GATE              | QLD          | YHEG/ALA    | HUNT FIELD            | SA           | YHTF/ALA    |
| HENBURY                 | NT           | YHBY/ALA    | HUNTER ISLAND         | TAS          | YHTR/HLS    |
| HENLEY BROOK            | WA           | YHLB/HLS    | HUTTON VALE FARM      | SA           | YHVF/ALA    |
| HERBERT DOWNS           | QLD          | YHBD/ALA    | HYDEAWAY BAY          | QLD          | YHAB/ALA    |
| HERBERTON               | QLD          | YHTN/ALA    | IDRACOWRA STN         | NT           | YIDR/ALA    |
| HERBERTVALE CATTLEYARD  | QLD          | YHCS/ALA    | IFFLEY                | QLD          | YIFY/ALA    |
| HERMANNSBURG            | NT           | YHMB/ALA    | IFFLEY HS             | QLD          | YIFF/ALA    |
| HERON ISLAND            | QLD          | YHRN/HLS    | ILFRACOMBE            | QLD          | YILF/ALA    |
| HERVEY BAY              | QLD          | YHBA/AD     | ILKURLKA              | WA           | YILK/ALA    |
| HERVEY BAY HOSPITAL     | QLD          | YXHE/HLS    | IMOoya                | QLD          | YIMY/ALA    |
| HERVEY RANGE            | QLD          | YHER/ALA    | IMPADNA               | NT           | YIMP/ALA    |
| HEXAM                   | NSW          | YHEH/HLS    | INGELARA              | QLD          | YING/ALA    |
| HICKS IS                | QLD          | YHKI/ALA    | INGHAM                | QLD          | YIGM/ALA    |
| HIDDEN VALLEY           | NT           | YHIV/ALA    | INGHAM HEALTH SERVICE | QLD          | YXGM/HLS    |
| HIGHBURY STATION        | QLD          | YHHY/ALA    | INGLEWOOD             | QLD          | YILW/ALA    |
| HIGHLAND FARM           | NSW          | YHLF/ALA    | INGLEWOOD HOSPITAL    | QLD          | YXIW/HLS    |
| HILLARYS MARINA HELIPAD | WA           | YHMH/HLS    | INGOMAR               | SA           | YIGR/ALA    |
| HILLMAN FARM            | WA           | YHLM/ALA    | INJUNE                | QLD          | YINJ/ALA    |
| HILLSIDE                | WA           | YHIL/ALA    | INKERMAN STATION      | QLD          | YIKM/ALA    |
| HILLSIDE                | QLD          | YHLD/ALA    | INNAMINCKA            | SA           | YINN/ALA    |
| HILLSTON                | NSW          | YHLS/ALA    | INNAMINCKA TOWNSHIP   | SA           | YIMT/ALA    |
| HILTABA                 | SA           | YHTA/ALA    | INNISFAIL HOSPITAL    | QLD          | YXIS/HLS    |
| HMAS PENGUIN            | NSW          | YHPG/HLS    | INNISFAIL/MUNDOO      | QLD          | YIFL/AD     |
| HOBART                  | TAS          | YMHB/AD     | INTEGRA COAL          | NSW          | YINT/HLS    |
| HOBART/CAMBRIDGE        | TAS          | YCBG/ALA    | INVERELL              | NSW          | YIVL/AD     |
| HODGSON DOWNS           | NT           | YHDD/ALA    | INVERELL HOSPITAL     | NSW          | YXIV/HLS    |
| HODGSON RIVER           | NT           | YHOV/ALA    | INVERELL NORTH        | NSW          | YINO/ALA    |
| HOGAN ISLAND            | TAS          | YHGI/HLS    | INVERLEIGH            | QLD          | YINW/ALA    |
| HOLBROOK                | NSW          | YHBK/ALA    | INVERLOCH             | VIC          | YIVE/ALA    |
| HOLBROOK MEDICAL        | NSW          | YXHB/HLS    | INVERWAY              | NT           | YINW/ALA    |
| HOLLINS BAY             | QLD          | YHOY/ALA    | IPSWICH HOSPITAL      | QLD          | YXIP/HLS    |
| HOLLYWELL               | QLD          | YHLW/ALA    | IRON BRIDGE MINE      | WA           | YIBO/AD     |
| HOLMWOOD                | SA           | YMWd/ALA    | IRONBARK MINE         | QLD          | YIBM/HLS    |
| HOLROYD                 | QLD          | YHOL/ALA    | IRONGATE/FIG TREE     | QLD          | YFIG/ALA    |
| HOLSWORTHY              | NSW          | YSHW/AD     | ISIS DOWNS            | QLD          | YISD/ALA    |
| HOLT STREET JETTY       | QLD          | YHSJ/HLS    | ISISFORD              | QLD          | YISF/ALA    |
| HOME HILL               | QLD          | YHHL/ALA    | IVANHOE               | NSW          | YIVO/AD     |
| HOME BUSH PARK          | NT           | YHBP/ALA    | IVANHOE STN           | WA           | YIVA/ALA    |

| LOCATION                    | STATE | CODE     | LOCATION                | STATE | CODE     |
|-----------------------------|-------|----------|-------------------------|-------|----------|
| IVERAGH                     | QLD   | YIVG/ALA | KAMILEROI               | QLD   | YKML/ALA |
| JABIRU                      | NT    | YJAB/AD  | KANANDAH                | WA    | YKAN/ALA |
| JACINTH AMBROSIA            | SA    | YJAC/AD  | KANDOS MEDICAL          | NSW   | YXKD/HLS |
| JACK MANN OVAL              | WA    | YJMO/HLS | KANGAROO ISLAND         | SA    | YKIS/HLS |
| JAKES FARM                  | QLD   | YJAF/HLS | KANGAROO WELL           | SA    | YKWG/ALA |
| JAMESON                     | WA    | YJAM/ALA | KANIVA                  | VIC   | YKNV/ALA |
| JAMESTOWN                   | SA    | YJST/ALA | KAPUNDA                 | SA    | YKAP/ALA |
| JAMISON PRIVATE HOSPITAL    | NSW   | YXJA/HLS | KAPUNDA HOSPITAL        | SA    | YXXH/HLS |
| PENRITH                     |       |          | KARARA                  | WA    | YKAR/AD  |
| JANDOWAE HOSPITAL           | QLD   | YXJN/HLS | KARLAWINDA MINE         | WA    | YKWA/AD  |
| JANET DOWNS                 | QLD   | YJNT/ALA | KARONIE                 | WA    | YKRE/ALA |
| JARRA CREEK                 | QLD   | YJRK/ALA | KARRATHA                | WA    | YPKA/AD  |
| JDANDBOO FIELD              | VIC   | YJBO/ALA | KARRATHA HEALTH CAMPUS  | WA    | YXKR/HLS |
| JEDBURGH                    | QLD   | YJED/ALA | KARUMBA                 | QLD   | YKMB/AD  |
| JEEDAMYA                    | WA    | YJEY/ALA | KARUNJIE                | WA    | YKRJ/ALA |
| JERICO (QLD)                | QLD   | YJRO/ALA | KATANNING               | WA    | YKNG/AD  |
| JERICO (TAS)                | TAS   | YJCO/ALA | KATHERINE HOSPITAL      | NT    | YXAE/HLS |
| JERILDERIE                  | NSW   | YJER/ALA | KEDRON PARK SES BASE    | QLD   | YXKP/HLS |
| JERRAMUNGUP                 | WA    | YJGP/ALA | KEEROONGOOLOO           | QLD   | YKRL/ALA |
| JERVIS BAY                  | NSW   | YJBY/AD  | KEITH                   | SA    | YKTH/ALA |
| JIBALBAL                    | NT    | YJIB/ALA | KELLERBERRIN            | WA    | YKEB/ALA |
| JIGGALONG MISSION           | WA    | YJIG/ALA | KEMPSEY                 | NSW   | YKMP/AD  |
| JIMARDA                     | NT    | YJIR/ALA | KENDALL RIVER           | QLD   | YKRV/ALA |
| JIMBOUR                     | QLD   | YJBR/ALA | KENMORE PARK/YUNYARINYI | SA    | YKEN/ALA |
| JINDABYNE                   | NSW   | YJIN/ALA | KENNETTS STRIP          | NSW   | YKST/HLS |
| JINDABYNE MEDICAL           | NSW   | YXJD/HLS | KENS BORE               | WA    | YKBA/AD  |
| JINDALEE                    | NSW   | YJDL/ALA | KERANG                  | VIC   | YKER/AD  |
| JINDALEE RECEIVER           | WA    | YJRX/ALA | KESWICK ISLAND          | QLD   | YKSI/ALA |
| JINDALEE TRANSMITTER        | WA    | YJTX/ALA | KEYNETON                | SA    | YKYT/HLS |
| JINGALUP                    | WA    | YJIP/ALA | KEYTAH                  | NSW   | YKEY/ALA |
| JOHN HUNTER HOSPITAL        | NSW   | YXJH/HLS | KHANCOBAN               | NSW   | YKHA/ALA |
| JOHNSON AIRSTRIP            | SA    | YJOH/ALA | KHOLO HELIPAD           | QLD   | YKHO/HLS |
| JONROY                      | QLD   | YJNY/ALA | KIAMA HARBOUR HELIPAD   | NSW   | YKAM/HLS |
| JOSEPHINE FALLS             | QLD   | YJOS/HLS | KIANA STN               | NT    | YKIA/ALA |
| JOYCE PALMER HEALTH SERVICE | QLD   | YXPC/HLS | KIDMAN SPRINGS          | NT    | YKDM/ALA |
|                             |       |          | KIDSTON                 | QLD   | YKID/ALA |
| JULIA CREEK                 | QLD   | YJLC/AD  | KIERAWONGA              | QLD   | YKRW/ALA |
| JUNDAH                      | QLD   | YJDA/ALA | KIHEE HS                | QLD   | YKIH/ALA |
| JUNDEE                      | WA    | YJUN/AD  | KILCOY                  | QLD   | YKCY/ALA |
| JUNEE MEDICAL               | NSW   | YXJU/HLS | KILCOY HOSPITAL         | QLD   | YXKI/HLS |
| JURIEN BAY                  | WA    | YJUR/ALA | KILDURK STN             | NT    | YKIL/ALA |
| KADINA                      | SA    | YKDI/ALA | KILKWANA HOSPITAL       | QLD   | YXKL/HLS |
| KAGARU                      | QLD   | YKGU/ALA | KILLARNEY               | NT    | YKLE/ALA |
| KAHLPAHLIM ROCK             | QLD   | YKAI/HLS | KILLARNEY HOSPITAL      | QLD   | YXKA/HLS |
| KAILIS                      | WA    | YKLS/ALA | KILLARNEY STN           | QLD   | YKLN/ALA |
| KAIUROO                     | QLD   | YKIU/ALA | KILLIECRANKIE           | TAS   | YKCK/ALA |
| KAJABBI                     | QLD   | YKAJ/ALA | KILMORE                 | VIC   | YKNH/HLS |
| KALABITY STATION            | SA    | YKBT/ALA | KIMBA                   | SA    | YIMB/AD  |
| KALAMURINA                  | SA    | YKLR/ALA | KIMBERLEY DOWNS STN     | WA    | YKBS/ALA |
| KALANNIE                    | WA    | YKAE/ALA | KIMBOLTON               | WA    | YKIB/ALA |
| KALBARRI                    | WA    | YKBR/AD  | KIN KIN RETREAT         | WA    | YKKN/ALA |
| KALGOORLIE-BOULDER          | WA    | YPKG/AD  | KINDAMINDI              | NSW   | YKND/ALA |
| KALINGA                     | QLD   | YKLG/ALA | KINDRA FALLS            | NSW   | YKFS/ALA |
| KALKGURUNG                  | NT    | YKKG/AD  | KING ASH BAY            | NT    | YKAB/ALA |
| KALLALA                     | QLD   | YKLL/ALA | KING ISLAND             | TAS   | YKII/AD  |
| KALPOWAR                    | QLD   | YKPR/ALA | KING JUNCTION           | QLD   | YKJN/ALA |
| KALUMBURU                   | WA    | YKAL/ALA | KINGAROY                | QLD   | YKRY/AD  |
| KAMBALDA                    | WA    | YKBL/AD  | KINGAROY HOSPITAL       | QLD   | YXKN/HLS |

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|---------------------------------|--------------|-------------|------------------------------------|--------------|-------------|
| KINGFISH A PLATFORM             | VIC          | YUFA/HLS    | LADY MUSGRAVE ISLAND               | QLD          | YLMJ/ALA    |
| KINGFISH B PLATFORM             | VIC          | YUFB/HLS    | LAGLAN                             | QLD          | YLGJ/ALA    |
| KINGOONYA                       | SA           | YKGA/ALA    | LAGOON BAY                         | TAS          | YLAG/ALA    |
| KINGS CANYON                    | NT           | YKCA/ALA    | LAIDLEY HOSPITAL                   | QLD          | YXLA/HLS    |
| KINGS CREEK STN                 | NT           | YKCS/ALA    | LAKE CARGELLIGO                    | NSW          | YLCG/AD     |
| KINGSCOTE HOSPITAL              | SA           | YXKC/HLS    | LAKE EVELLA                        | NT           | YLEV/AD     |
| KINGSCOTE/KANGAROO ISLAND       | SA           | YKSC/AD     | LAKE EVERARD                       | SA           | YLVD/ALA    |
| KINGSTON                        | SA           | YKIG/ALA    | LAKE GRACE                         | WA           | YLGJ/ALA    |
| KINGVALE STATION                | QLD          | YKVA/ALA    | LAKE JOHNSTON                      | WA           | YLJN/ALA    |
| KINTORE                         | NT           | YKNT/ALA    | LAKE KEEPIT                        | NSW          | YKEP/ALA    |
| KIRKALOCKA                      | WA           | YKRK/ALA    | LAKE MACQUARIE AIRPORT             | NSW          | YLMQ/ALA    |
| KIRKIMBIE STN                   | NT           | YKIR/ALA    | LAKE NASH                          | NT           | YLKN/ALA    |
| KITAN MOBILE RIG                | WA           | KIT/HLS     | LAKE WAY                           | WA           | YLWY/ALA    |
| KITCHENER                       | WA           | YKCH/ALA    | LAKEFIELD                          | QLD          | YLFD/ALA    |
| KIWIRRKURRA                     | WA           | YKIC/ALA    | LAKELAND DOWNS                     | QLD          | YLND/ALA    |
| KNAPDALE                        | QLD          | YKDA/ALA    | LAKES ENTRANCE                     | VIC          | YLET/HLS    |
| KNOCKER BAY                     | NT           | YNBY/ALA    | LAKES ENTRANCE                     | VIC          | YLKE/ALA    |
| KOARLO                          | QLD          | YKOA/ALA    | LAKESIDE AIRPARK                   | QLD          | YLAJ/ALA    |
| KOJONUP                         | WA           | YKOJ/ALA    | LAMB ISLAND                        | QLD          | YXLM/HLS    |
| KOKATHA                         | SA           | YKKH/ALA    | LAMBINA                            | SA           | YLAM/ALA    |
| KOLENDO                         | SA           | YKOL/ALA    | LAMEROO                            | SA           | YLAO/ALA    |
| KONDININ                        | WA           | YKDN/ALA    | LAMINGTON FITNESS CAMP             | NSW          | YXLI/HLS    |
| KOOKYNIE                        | WA           | YKOK/ALA    | LANDERS CREEK                      | QLD          | YLDC/ALA    |
| KOOLAMA BAY                     | WA           | YKOO/ALA    | LANDOR RACES                       | WA           | YLNK/ALA    |
| KOOLAN ISLAND/KOOLAN CENTRAL    | WA           | YKLC/AD     | LANDOR STN                         | WA           | YLDO/ALA    |
| KOOLATAH                        | QLD          | YKLA/ALA    | LANDSBOROUGH                       | QLD          | YLAB/ALA    |
| KOOLBURRA                       | QLD          | YKLB/ALA    | LANGAWIRRA                         | NSW          | YLAN/ALA    |
| KOOLYANOBING RANGE              | WA           | YKBG/ALA    | LANGHORNE                          | SA           | YLGH/ALA    |
| KOONMARRA                       | WA           | YKNM/ALA    | LAPUNYAH                           | QLD          | YLAP/ALA    |
| KOORALBYN                       | QLD          | YKBN/ALA    | LARGS BAY                          | SA           | YLGJ/HLS    |
| KOORINGAL/BAROCO                | QLD          | YBCX/ALA    | LATROBE HOSPITAL                   | TAS          | YXLF/HLS    |
| KOROIT                          | VIC          | YKOI/HLS    | LATROBE REGIONAL HOSPITAL          | VIC          | YXLS/HLS    |
| KOWANYAMA                       | QLD          | YKOW/AD     | LATROBE VALLEY                     | VIC          | YLTV/AD     |
| KUBIN                           | QLD          | YKUB/ALA    | LAUNCESTON                         | TAS          | YMLT/AD     |
| KUKERIN AIRSTRIP                | WA           | YKUK/ALA    | LAUNCESTON GENERAL HOSPITAL        | TAS          | YXLU/HLS    |
| KULALI                          | QLD          | YKUA/ALA    | LAURA                              | QLD          | YLRA/ALA    |
| KULGERA ROADHOUSE               | NT           | YKUL/ALA    | LAURINEL                           | QLD          | YLUN/ALA    |
| KUMBARILLA/RUBY JO              | QLD          | YKUM/HLS    | LAVARACK                           | QLD          | YLVK/HLS    |
| KUNUNOPPIN                      | WA           | YKNP/ALA    | LAVERTON                           | WA           | YLTN/AD     |
| KUNUNURRA                       | WA           | YPKU/AD     | LAWLERS                            | WA           | YLAW/ALA    |
| KURANDA                         | QLD          | YKUD/HLS    | LAWN HILL                          | QLD          | YLAH/ALA    |
| KURI BAY                        | WA           | YKRI/ALA    | LEARMONTH                          | WA           | YPLM/AD     |
| KURUNDI STN                     | NT           | YKUR/ALA    | LEEMAN                             | WA           | YLEA/ALA    |
| KYABRA                          | QLD          | YKYR/ALA    | LEETON                             | NSW          | YLEE/ALA    |
| KYBO STN                        | WA           | YKBO/ALA    | LEETON MEDICAL                     | NSW          | YXLE/HLS    |
| KYNETON (QLD)                   | QLD          | YKYE/ALA    | LEEUEWIN ESTATE                    | WA           | YLUW/ALA    |
| KYNETON (VIC)                   | VIC          | YKTN/ALA    | LEGUNE STN                         | NT           | YLGU/ALA    |
| KYNETON DISTRICT HEALTH SERVICE | VIC          | YXKT/HLS    | LEIGH CREEK                        | SA           | YLEC/AD     |
| KYNUNA                          | QLD          | YKYN/ALA    | LEINSTER                           | WA           | YLST/AD     |
| KYOGLE HOSPITAL                 | NSW          | YXKO/HLS    | LEMINGTON/HUNTER VALLEY OPERATIONS | NSW          | YLHO/HLS    |
| KYWONG                          | QLD          | YKYW/ALA    | LEMONT                             | TAS          | YLEM/ALA    |
| LA GRANGE BAY                   | WA           | YLGB/ALA    | LEONGATHA                          | VIC          | YLEG/ALA    |
| LABELLE DOWNS                   | NT           | YLAE/ALA    | LEONGATHA HOSPITAL                 | VIC          | YXLH/HLS    |
| LADY BARRON                     | TAS          | YLDB/ALA    | LEONORA                            | WA           | YLEO/AD     |
| LADY ELLIOT ISLAND              | QLD          | YLTT/ALA    | LEOPOLD DOWNS                      | WA           | YLPD/ALA    |

| LOCATION                     | STATE | CODE     | LOCATION                | STATE | CODE     |
|------------------------------|-------|----------|-------------------------|-------|----------|
| LEPPINGTON PASTORAL EAST     | NSW   | YLPE/HLS | MABEL CREEK STN         | SA    | YMAK/ALA |
| LEPPINGTON PASTORAL WEST     | NSW   | YLPW/HLS | MABUIAG ISLAND          | QLD   | YMAA/ALA |
| LETHBRIDGE AIRPORT           | VIC   | YLED/ALA | MACDONALD DOWNS         | NT    | YMDS/ALA |
| LIDDELL COAL                 | NSW   | YLID/HLS | MACKAY                  | QLD   | YBMK/AD  |
| LIDDELL OPEN CUT MINE        | NSW   | YLIO/HLS | MACKAY HARBOUR          | QLD   | YMKH/HLS |
| LIFE SAVER BASE/SYDNEY       | NSW   | YLSB/HLS | MACKEREL                | VIC   | YUKL/HLS |
| LIGHTNING RIDGE              | NSW   | YLRD/AD  | MACKSVILLE MEDICAL      | NSW   | YXMK/HLS |
| LILLA CREEK                  | NT    | YLLC/ALA | MACLAY ISLAND           | QLD   | YXMC/HLS |
| LILLYVALE                    | QLD   | YLVA/ALA | MACLEAN HOSPITAL        | NSW   | YXMA/HLS |
| LILYDALE                     | VIC   | YLIL/ALA | MACLEOD/GNARALOO BAY    | WA    | YGAR/ALA |
| LIMBUNYA STN                 | NT    | YLIM/ALA | MACLEOD/GNARALOO        | WA    | YGHS/ALA |
| LINDA DOWNS STATION          | QLD   | YLDs/ALA | HOMESTEAD               |       |          |
| LINDEMAN ISLAND              | QLD   | YLIN/ALA | MACQUARIE ISLAND        | OTH   | YMQI/HLS |
| LISMORE                      | NSW   | YLIS/AD  | MACQUARIE UNIVERSITY    | NSW   | YXUH/HLS |
| LISMORE HOSPITAL             | NSW   | YLIH/HLS | HOSPITAL                |       |          |
| LISSADELL                    | WA    | YLDL/ALA | MACROSSAN               | QLD   | YMCS/ALA |
| LITCHFIELD STN               | NT    | YLIT/ALA | MACUMBA                 | SA    | YMAC/ALA |
| LITHGOW MEDICAL              | NSW   | YXLG/HLS | MADOWLA PARK            | VIC   | YMDO/ALA |
| LITTLE RIVER                 | VIC   | YLRV/ALA | MADURA                  | WA    | YMAD/ALA |
| LITTLE SANDY DESERT/BEYONDIE | WA    | YBEI/ALA | MAGGIEVILLE             | QLD   | YMGL/ALA |
|                              |       |          | MAGNETIC ISLAND         | QLD   | YMCi/HLS |
| LIVERINGA                    | WA    | YLIV/ALA | MAGOWRA                 | QLD   | YMOA/ALA |
| LIVERPOOL HOSPITAL           | NSW   | YXLL/HLS | MAHANOWO                | SA    | YMWo/ALA |
| LIZARD ISLAND                | QLD   | YLZI/ALA | MAINORU                 | NT    | YMNU/ALA |
| LOCHINVAR                    | WA    | YLOC/ALA | MAITLAND (NSW)          | NSW   | YMND/AD  |
| LOCK                         | SA    | YLOK/ALA | MAITLAND (SA)           | SA    | YMLD/ALA |
| LOCKHART RIVER               | QLD   | YLHR/AD  | MAITLAND DOWNS (QLD)    | QLD   | YMDW/ALA |
| LOCKSLEY FIELD               | VIC   | YLCS/ALA | MAITLAND HOSPITAL       | NSW   | YXMT/HLS |
| LOCKYER WATERS/BREEFIELD     | QLD   | YLWB/ALA | MAITLAND HOSPITAL (SA)  | SA    | YXMQ/HLS |
| LONGDOWN                     | TAS   | YLGD/ALA | MAJURA TRAINING AREA    | ACT   | YMJR/HLS |
| LONGFORD HELIPORT            | VIC   | YUOF/HLS | MALAKOFF                | QLD   | YMOF/ALA |
| LONGREACH                    | QLD   | YLRE/AD  | MALINA                  | WA    | YMLA/ALA |
| LONGWOOD                     | VIC   | YL0D/ALA | MALLACOOTA              | VIC   | YMCO/AD  |
| LOONGANA                     | WA    | YLGn/ALA | MALLAPUNYAH SPRINGS STN | NT    | YMYH/ALA |
| LORD HOWE ISLAND             | NSW   | YLHI/AD  | MALLOWA/KRUI            | NSW   | YKRU/ALA |
| LORNA GLEN HS                | WA    | YLRG/ALA | MALNYANGANAK            | NT    | YMYA/ALA |
| LORRAINE                     | QLD   | YLOR/ALA | MAMADAWERRE             | NT    | YMMa/ALA |
| LOTUS CREEK/CROYDON          | QLD   | YACR/ALA | MANBULLO                | NT    | YMAX/ALA |
| LOTUS VALE STN               | QLD   | YLOV/ALA | MANDEMAR                | NSW   | YMMR/ALA |
| LOUISA DOWNS                 | WA    | YLOU/ALA | MANEROO                 | QLD   | YMNO/ALA |
| LOUTH                        | NSW   | YLOH/ALA | MANFRED                 | WA    | YMNf/ALA |
| LOWENDAL ISLAND              | WA    | YLOW/HLS | MANGALORE               | VIC   | YMNg/AD  |
| LOWER LIGHT                  | SA    | YLLT/ALA | MANGOOLA COAL MINE      | NSW   | YMCM/HLS |
| LOXTON                       | SA    | YLOX/ALA | MANGROVE MOUNTAIN       | NSW   | YVMV/ALA |
| LOXTON HOSPITAL              | SA    | YXLX/HLS | GLIDING                 |       |          |
| LUCINDALE                    | SA    | YLUI/ALA | MANGURI                 | SA    | YMAI/ALA |
| LUCKY DOWNS                  | QLD   | YLKD/ALA | MANILLA MEDICAL         | NSW   | YXMZ/HLS |
| LUCY CREEK                   | NT    | YLUC/ALA | MANILLA STATION         | NSW   | YMAS/ALA |
| LUMLEY HILL                  | QLD   | YLUM/HLS | MANINGRIDA              | NT    | YMGD/AD  |
| LUSKINTYRE                   | NSW   | YLSK/ALA | MANJIMUP                | WA    | YMJM/AD  |
| LYELL MCEWIN HOSPITAL        | SA    | YXLQ/HLS | MANMOYI                 | NT    | YMMY/ALA |
| LYNDHURST STN                | QLD   | YLHS/ALA | MANNERS CREEK STN       | NT    | YMCr/ALA |
| LYNDLEY                      | QLD   | YLYD/ALA | MANNUM HOSPITAL         | SA    | YXMM/HLS |
| LYNDOCH                      | SA    | YLYK/ALA | MANSFIELD               | VIC   | YMFd/ALA |
| LYNDON STN                   | WA    | YLYN/ALA | MANTUAN DOWNS           | QLD   | YMUS/ALA |
| MAATSUYKER                   | TAS   | YMSY/HLS | MANUMBAR                | QLD   | YMUB/ALA |
|                              |       |          | MAPOON                  | QLD   | YMPN/ALA |
|                              |       |          | MARALINGA               | SA    | YMRA/ALA |

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|--------------------------------|-------|----------|---------------------------|-------|----------|
| MARBLE BAR                     | WA    | YMBL/AD  | MENZIES                   | WA    | YMZI/ALA |
| MARBLE CREEK                   | QLD   | YMRK/ALA | MERAPAH HOMESTEAD         | QLD   | YMPH/ALA |
| MARDA                          | WA    | YMRD/ALA | MEREENIE                  | NT    | YMEI/ALA |
| MARDI STN                      | WA    | YMDZ/ALA | MERIMBULA                 | NSW   | YMER/AD  |
| MAREEBA                        | QLD   | YMBB/AD  | MERLIN MINE               | NT    | YMEE/ALA |
| MAREEBA HOSPITAL               | QLD   | YXMB/HLS | MERLUNA                   | QLD   | YMEU/ALA |
| MARGARET RIVER                 | WA    | YMG/ALA  | MERREDIN                  | WA    | YMDN/ALA |
| MARIAN                         | QLD   | YMRI/ALA | MERRIMBA                  | NSW   | YRIM/ALA |
| MARIGALDJBAN                   | NT    | YMAJ/ALA | MERRINONG STATION         | NSW   | YMMG/ALA |
| MARINE 500 MOBILE DRILLING RIG | WA    | XMR/HLS  | MERRIWA HOSPITAL          | NSW   | YXMW/HLS |
| MARION DOWNS                   | WA    | YDWN/ALA | METEOR DOWNS              | QLD   | YMWN/ALA |
| MARION DOWNS                   | QLD   | YMWX/ALA | MICHAELMAS CAY            | QLD   | YMCY/HLS |
| MARLA                          | SA    | YALA/ALA | MIDDALYA HS               | WA    | YMI/ALA  |
| MARLBOROUGH                    | QLD   | YMBG/HLS | MIDDLE CAY                | QLD   | YMI/ALA  |
| MARLGAWO                       | NT    | YML/ALA  | MIDDLEMOUNT               | QLD   | YMMU/ALA |
| MARLIN PLATFORM                | VIC   | YUPX/HLS | MIKINJ VALLEY             | NT    | YMKV/ALA |
| MARLWAN                        | NT    | YMRN/ALA | MILDURA                   | VIC   | YMI/AD   |
| MARMBOO                        | QLD   | YMB/ALA  | MILDURA STN               | QLD   | YMIU/ALA |
| MAROONAH                       | WA    | YMRX/ALA | MILES                     | QLD   | YMLS/AD  |
| MARPURU                        | NT    | YMAP/ALA | MILES HOSPITAL            | QLD   | YXMS/HLS |
| MARQUA                         | NT    | YMQA/ALA | MILEURA HS                | WA    | YMUX/ALA |
| MARREE                         | SA    | YMR/ALA  | MILINGIMBI                | NT    | YMG/AD   |
| MARTINS WELL                   | SA    | YMTW/ALA | MILL IRON                 | QLD   | YMI/ALA  |
| MARY VALLEY                    | QLD   | YMY/ALA  | MILLAJIDDEE               | WA    | YMD/ALA  |
| MARYBOROUGH (QLD)              | QLD   | YMYB/AD  | MILLAROO                  | QLD   | YML/ALA  |
| MARYBOROUGH (VIC)              | VIC   | YMBU/ALA | MILLERS BLUFF             | TAS   | YMBF/HLS |
| MARYLAND TOO                   | WA    | YTOO/ALA | MILLERS CREEK             | SA    | YMIK/ALA |
| MARYMIA                        | WA    | YMYI/ALA | MILLICENT                 | SA    | YMC/ALA  |
| MARYVALE                       | QLD   | YMLE/ALA | MILLMERRAN                | QLD   | YMMN/ALA |
| MARYVALE                       | NT    | YMYV/ALA | MILLMERRAN HOSPITAL       | QLD   | YXLR/HLS |
| MATA MATA                      | NT    | YMTM/ALA | MILLROSE HS               | WA    | YMS/ALA  |
| MATARANKA TOWNSHIP             | NT    | YMAR/ALA | MILLSTREAM                | WA    | YMS/ALA  |
| MATER HOSPITAL (BRISBANE)      | QLD   | YMAT/HLS | MILLUNGERA                | QLD   | YMLL/ALA |
| MATHESON BORE                  | SA    | YMBR/ALA | MILNE REEF                | QLD   | YMI/ALA  |
| MAUDE CREEK                    | NT    | YMU/ALA  | MILTON ULLADULLA HOSPITAL | NSW   | YXUA/HLS |
| MAWSON PLATEAU SKIWAY          | OTH   | YMLP/ALA | MILURIE HS                | WA    | YMLX/ALA |
| MAWSON SEA ICE SKIWAY          | OTH   | YMSI/ALA | MINARA                    | WA    | YMNX/ALA |
| MAWSON STATION                 | OTH   | YMAO/HLS | MINDEROO                  | WA    | YMDR/ALA |
| MAXWELL CREEK                  | NT    | YMXC/ALA | MINGENOW                  | WA    | YMEW/ALA |
| MCARTHUR RIVER MINE            | NT    | YMHU/AD  | MINLATON                  | SA    | YMIN/ALA |
| MCCAFFREY FIELD                | QLD   | YMC/ALA  | MINLATON HOSPITAL         | SA    | YXMX/HLS |
| MCKINLAY                       | QLD   | YMC/ALA  | MINNAMOOKLA               | QLD   | YMLK/ALA |
| MEANDER LAKES                  | TAS   | YMEA/ALA | MINNIPA                   | SA    | YMPA/ALA |
| MEEKATHARRA                    | WA    | YMEK/AD  | MIRANDA DOWNS             | QLD   | YMI/ALA  |
| MEERAGOOLIA                    | WA    | YMLI/ALA | MIRRNATJA                 | NT    | YMGJ/ALA |
| MELBOURNE                      | VIC   | YMLL/AD  | MISTAKE CREEK             | NT    | YMKC/ALA |
| MELBOURNE/ESSENDON             | VIC   | YMEN/AD  | MITCHELL                  | QLD   | YMIT/ALA |
| MELBOURNE/MOORABBIN            | VIC   | YMMB/AD  | MITCHELL PLATEAU          | WA    | YMI/ALA  |
| MELINDA DOWNS                  | QLD   | YMDX/ALA | MITTA MITTA               | VIC   | YITT/ALA |
| MELTON                         | VIC   | YME/ALA  | MITTAGONG                 | NSW   | YMI/ALA  |
| MELVILLE WATER AERODROME       | WA    | YMET/ALA | MITTIEBAH                 | NT    | YMTA/ALA |
| MEMBINUP                       | WA    | YMBP/ALA | MOAMA                     | NSW   | YMMO/ALA |
| MEMOOLLOO                      | QLD   | YMEM/ALA | MOBELLA                   | SA    | YLLA/ALA |
| MENINDEE                       | NSW   | YMED/ALA | MODEWARRE                 | VIC   | YMOD/ALA |
| MENINGIE                       | SA    | YMEG/ALA | MONA MONA                 | QLD   | YMA/ALA  |
| MENINGIE HOSPITAL              | SA    | YXMI/HLS | MONA VALE HOSPITAL        | NSW   | YXMV/HLS |
|                                |       |          | MONARTO SAFARI PARK       | SA    | YOAR/HLS |



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|----------------------------|-------|----------|--------------------------------|-------|----------|
| MONASH CHILDREN'S HOSPITAL | VIC   | YXXM/HLS | MOUNT COOLON                   | QLD   | YMCL/ALA |
| MONDURAN                   | QLD   | YMUA/ALA | MOUNT COOPER                   | QLD   | YMPE/ALA |
| MONEGEETA                  | VIC   | YMON/HLS | MOUNT COOT-THA                 | QLD   | YMOH/HLS |
| MONKIRA                    | QLD   | YMNK/ALA | MOUNT DARE STN                 | SA    | YMTX/ALA |
| MONOLON                    | NSW   | YMLN/ALA | MOUNT DAVIES/PIPALYATJARA      | SA    | YMDV/ALA |
| MONTARA VENTURE FPSO       | WA    | YMTV/HLS | MOUNT DENISON                  | NT    | YMNN/ALA |
| MONTARA WHP                | WA    | YMWV/HLS | MOUNT DIMER                    | WA    | YDME/ALA |
| MONTEJINNI                 | NT    | YMTJ/ALA | MOUNT DORE                     | QLD   | YMDE/ALA |
| MONTO                      | QLD   | YMTQ/ALA | MOUNT DRUITT HOSPITAL          | NSW   | YXMD/HLS |
| MONTO HOSPITAL             | QLD   | YXOT/HLS | MOUNT EBA                      | SA    | YMEB/ALA |
| MOOGA/BRINDLEY PARK        | QLD   | YABP/ALA | MOUNT EBENEZER                 | NT    | YMBZ/ALA |
| MOOLELULOOLOO              | SA    | YLUL/ALA | MOUNT ELIZA                    | VIC   | YMEZ/HLS |
| MOOLIABEENIE               | WA    | YMBE/ALA | MOUNT ELIZABETH                | WA    | YMTZ/ALA |
| MOOLOOLOO STN              | NT    | YOOO/ALA | MOUNT GAMBIE                   | SA    | YMTG/AD  |
| MOOMBA                     | SA    | YOOM/AD  | MOUNT GARNET                   | QLD   | YMRT/ALA |
| MOONAREE                   | SA    | YMOE/ALA | MOUNT GIBSON                   | WA    | YGSN/ALA |
| MOONDAH PARK               | QLD   | YMDP/ALA | MOUNT GORDON                   | QLD   | YGON/AD  |
| MOONERA                    | WA    | YORA/ALA | MOUNT GORTON                   | QLD   | YGOT/HLS |
| MOONIE/TUNGAMAH STATION    | QLD   | YMTU/ALA | MOUNT GUNSON                   | SA    | YMGN/ALA |
| MOORA                      | WA    | YMRO/ALA | MOUNT HALE                     | WA    | YMHE/ALA |
| MOORABERREE                | QLD   | YMOO/ALA | MOUNT HART STN                 | WA    | YMHT/ALA |
| MOORE REEF                 | QLD   | YMRR/HLS | MOUNT HOLLAND                  | WA    | YMH/AD   |
| MOOROONGGA ISLAND          | NT    | YMSX/ALA | MOUNT HOTHAM                   | VIC   | YHOT/AD  |
| MORANBAH                   | QLD   | YMRB/AD  | MOUNT HOUSE                    | VIC   | YMHM/HLS |
| MORANBAH/RUGBY RUN         | QLD   | YARR/ALA | MOUNT HOWITT                   | WA    | YMH/ALA  |
| MORAWA                     | WA    | YMRW/AD  | MOUNT ISA                      | QLD   | YBMA/AD  |
| MOREE                      | NSW   | YMOR/AD  | MOUNT ISA HOSPITAL             | QLD   | YXIH/HLS |
| MOREE HOSPITAL             | NSW   | YXEE/HLS | MOUNT IVE                      | SA    | YMIV/ALA |
| MOREE/BEELA                | NSW   | YAIR/ALA | MOUNT JAMES                    | WA    | YMJE/ALA |
| MOREE/RURAL AIR WORK       | NSW   | YRAR/ALA | MOUNT KEITH                    | WA    | YMNE/AD  |
| MORETON                    | QLD   | YMTQ/ALA | MOUNT LIEBIG                   | NT    | YLBG/ALA |
| MORNEY                     | QLD   | YMNY/ALA | MOUNT LINDSAY/WATARRU          | SA    | YLSY/ALA |
| MORNINGTON ISLAND          | QLD   | YMTI/AD  | MOUNT MACKAY                   | QLD   | YMKY/HLS |
| MORNINGTON STN             | WA    | YMTN/ALA | MOUNT MAGNET                   | WA    | YMOG/AD  |
| MOROAK                     | NT    | YORO/ALA | MOUNT MARGARET STN             | QLD   | YMMT/ALA |
| MOROCCO WEST               | WA    | YMCW/ALA | MOUNT MARTHA                   | VIC   | YMT/ALA  |
| MORSTONE DOWNS STATION     | QLD   | YMSE/ALA | MOUNT MCCUTCHEON               | TAS   | YMHX/HLS |
| MORUYA                     | NSW   | YMR/AD   | MOUNT MULGRAVE HS              | QLD   | YMMH/ALA |
| MORUYA HOSPITAL            | NSW   | YXMY/HLS | MOUNT MULLIGAN LODGE           | QLD   | YMUZ/HLS |
| MORVEN                     | QLD   | YMVN/ALA | MOUNT PERRY                    | QLD   | YMPY/ALA |
| MOSSMAN HOSPITAL           | QLD   | YXMO/HLS | MOUNT PERRY HEALTH CARE CENTRE | QLD   | YXMP/HLS |
| MOUNT AGNEW                | TAS   | YMGW/HLS |                                |       |          |
| MOUNT ALLAN                | NT    | YMNA/ALA | MOUNT RIDDOCK STN              | NT    | YMDK/ALA |
| MOUNT ANNE                 | TAS   | YANE/HLS | MOUNT RINGWOOD                 | NT    | YRIN/ALA |
| MOUNT AUGUSTUS             | WA    | YMAU/ALA | MOUNT ROSEBY                   | QLD   | YROS/ALA |
| MOUNT BARKER HOSPITAL      | SA    | YXBR/HLS | MOUNT SANFORD STATION          | NT    | YMSF/ALA |
| MOUNT BARNETT              | WA    | YBAN/ALA | MOUNT SARAH                    | SA    | YSAR/ALA |
| MOUNT BARROW               | TAS   | YBOW/HLS | MOUNT SHORT                    | WA    | YMTS/ALA |
| MOUNT BAW BAW              | VIC   | YMBB/HLS | MOUNT SIRCOM                   | QLD   | YMSR/ALA |
| MOUNT BEAUTY               | VIC   | YMBT/ALA | MOUNT STUART                   | WA    | YMSW/ALA |
| MOUNT BORRADALE STN        | NT    | YMUE/ALA | MOUNT SURPRISE                 | QLD   | YMS/ALA  |
| MOUNT BULLER               | VIC   | YBXU/HLS | MOUNT SWAN                     | NT    | YMNS/ALA |
| MOUNT BUNDEY               | NT    | YMDY/ALA | MOUNT VALLEY                   | NT    | YMVY/ALA |
| MOUNT BUNDEY MINE          | NT    | YMBN/ALA | MOUNT VIVIAN                   | SA    | YVIV/ALA |
| MOUNT CATT                 | NT    | YMUN/ALA | MOUNT WELLINGTON               | TAS   | YWL/ALA  |
| MOUNT CLARENCE             | SA    | YMT/ALA  | MOUNT WILLOUGHBY               | SA    | YWIB/ALA |
| MOUNT CLERE HS             | WA    | YMCE/ALA | MOUNT YARRABAH                 | QLD   | YYAR/HLS |

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| MOURA                  | QLD   | YMOU/ALA | NALIYINDI               | NT    | YNAL/ALA |
| MOURA HOSPITAL         | QLD   | YXMR/HLS | NAMBOUR HOSPITAL        | QLD   | YXNA/HLS |
| MOURA NORTH            | QLD   | YMTN/ALA | NAMBUCCA                | NSW   | YNAA/ALA |
| MOUROUBRA STATION      | WA    | YMSN/ALA | NANANGO                 | QLD   | YNAN/ALA |
| MOXEY FARMS            | NSW   | YMOX/ALA | NANANGO HOSPITAL        | QLD   | YXNN/HLS |
| MOYEN STN              | QLD   | YMOY/ALA | NANDOWRIE               | QLD   | YNDW/ALA |
| MOYLE RIVER            | NT    | YMLV/ALA | NANGRAM/WINDIBRI        | QLD   | YNGM/HLS |
| MT OWEN COAL MINE      | NSW   | YOCM/HLS | NANNUP                  | WA    | YNAU/ALA |
| MUCCAN STN             | WA    | YMUC/ALA | NAPIER DOWNS STN        | WA    | YNPD/ALA |
| MUCHEA/GREENSIDE       | WA    | YGSD/ALA | NAPPA MERRIE            | QLD   | YNAP/ALA |
| MUDGE                  | NSW   | YMDG/AD  | NAPPERBY                | NT    | YNPB/ALA |
| MUDGE HOSPITAL         | NSW   | YXMH/HLS | NAR NAR GOON            | VIC   | YNNG/ALA |
| MUDGEEGARDAART         | NT    | YMGE/ALA | NARACOORTE              | SA    | YNRC/AD  |
| MUKINBUDIN             | WA    | YMKB/ALA | NARAYEN                 | QLD   | YNRN/ALA |
| MULAN                  | WA    | YUAN/ALA | NAREMBEEN               | WA    | YNRB/ALA |
| MULGA PARK             | NT    | YMUP/ALA | NARRABRI                | NSW   | YNBR/AD  |
| MULGATHING             | SA    | YMGG/ALA | NARRABRI HOSPITAL       | NSW   | YXNH/HLS |
| MULKA                  | SA    | YMUK/ALA | NARRANDERA              | NSW   | YNAR/AD  |
| MULLEWA                | WA    | YMW/ALA  | NARROGIN                | WA    | YNRG/ALA |
| MULLUMBIMBY HOSPITAL   | NSW   | YXMU/HLS | NARROMINE               | NSW   | YNRM/AD  |
| MULOORINA              | SA    | YMLR/ALA | NARROMINE MEDICAL       | NSW   | YXNM/HLS |
| MUMEKA                 | NT    | YMUM/ALA | NARYILCO                | QLD   | YNRL/ALA |
| MUNDABULLANGANA        | WA    | YMDB/ALA | NATAL DOWNS             | QLD   | YND/ALA  |
| MUNDARING WEIR         | WA    | YMW/ALA  | NATHAN REEF             | QLD   | YNRF/HLS |
| MUNDINE                | NSW   | YDNE/ALA | NATHAN RIVER STN        | NT    | YNAT/ALA |
| MUNDOWDNA              | SA    | YMDD/ALA | NATURAL ARCH            | QLD   | YXNT/HLS |
| MUNDRABILLA HS         | WA    | YMBX/ALA | NEBO                    | QLD   | YNBO/ALA |
| MUNDRABILLA MOTEL      | WA    | YMDT/ALA | NEE NEE                 | NSW   | YNNE/ALA |
| MUNDUBBERA             | QLD   | YMDA/ALA | NELLY BAY               | QLD   | YNEY/HLS |
| MUNDUBERRA HOSPITAL    | QLD   | YXDR/HLS | NELSON BAY MEDICAL      | NSW   | YXNY/HLS |
| MUNGALLI FALLS         | QLD   | YMUF/HLS | NELSON SPRINGS          | NT    | YNES/ALA |
| MUNGERANIE             | SA    | YMU/ALA  | NEPEAN AEROSPACE PARK   | NSW   | YNBP/HLS |
| MUNGINDI               | NSW   | YMG/ALA  | NEPEAN HOSPITAL         | NSW   | YXNE/HLS |
| MUNGO LODGE            | NSW   | YLMU/ALA | NERRIMA                 | WA    | YNER/ALA |
| MUNJINA                | WA    | YMUJ/ALA | NETHERWAY               | NSW   | YNWY/ALA |
| MURCHISON SHIRE        | WA    | YMSS/ALA | NETLEY STATION          | NSW   | YNET/ALA |
| MURGANELLA             | NT    | YMNL/ALA | NEUMAYER VALLEY STATION | QLD   | YNWM/ALA |
| MURGON                 | QLD   | YMRG/ALA | NEUTRAL JUNCTION        | NT    | YNTJ/ALA |
| MURGON HOSPITAL        | QLD   | YXMG/HLS | NEW CROWN STN           | NT    | YNCS/ALA |
| MURGOO STN             | WA    | YMG/ALA  | NEW HAVEN               | NT    | YNHV/ALA |
| MURNPEOWIE             | SA    | YMNP/ALA | NEW LANDSDOWN HS        | WA    | YNLH/ALA |
| MURRANJ BORE           | NT    | YMJI/ALA | NEW LAURA               | QLD   | YLRS/ALA |
| MURRAY BRIDGE          | SA    | YMBD/ALA | NEW MAY DOWNS HS        | QLD   | YNMY/ALA |
| MURRAY BRIDGE HOSPITAL | SA    | YXMJ/HLS | NEW MOON                | QLD   | YNMN/ALA |
| MURRAY DOWNS           | NT    | YMYW/ALA | NEW QUINAMBIE           | SA    | YNQI/ALA |
| MURRAY FIELD           | WA    | YMUL/ALA | NEW ROYAL ADELAIDE      | SA    | YXAA/HLS |
| MURRAY/MER ISLAND      | QLD   | YMAE/ALA | HOSPITAL                |       |          |
| MURRIN MURRIN          | WA    | YMMI/AD  | NEW VICTORIA DOWNS      | QLD   | YNVD/ALA |
| MURWILLUMBAH           | NSW   | YMUR/ALA | NEWCASTLE HARBOUR       | NSW   | YNTL/ALA |
| MUSGRAVE ROADHOUSE     | QLD   | YMGV/ALA | NEWCASTLE REGIONAL      | NSW   | YNRH/HLS |
| MUSWELLBROOK MEDICAL   | NSW   | YXUS/HLS | HELIPORT                |       |          |
| MUTHAMAL               | NT    | YMUH/ALA | NEWCASTLE WATERS        | NT    | YNCW/ALA |
| MUTTABURRA             | QLD   | YMTB/ALA | NEWCASTLE WESTPAC BASE  | NSW   | YXFV/HLS |
| MYROODAH STN           | WA    | YMYR/ALA | NEWCASTLE/WALLSAIR      | NSW   | YWSR/ALA |
| MYRUP                  | WA    | YMYU/ALA | NEWDEGATE               | WA    | YNDG/ALA |
| NABARLEK               | NT    | YNAB/ALA | NEWLANDS COAL           | QLD   | YNEW/ALA |
| NACKEROO               | NT    | YNKR/ALA | NEWMAN                  | WA    | YNWN/AD  |
| NAGAMBIE-WIRRATE       | VIC   | YNGW/ALA | NGANGORIORDT            | NT    | YNGT/ALA |

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|-------------------------------|--------------|-------------|-------------------------------|--------------|-------------|
| NGUJIMA-YIN FLOATING          | WA           | YNJY/HLS    | OAKDEN HILLS                  | SA           | YOKH/ALA    |
| NGUKURR                       | NT           | YNGU/AD     | OAKEY                         | QLD          | YBOK/AD     |
| NHILL                         | VIC          | YNHL/AD     | OAKVALE                       | QLD          | YOKE/ALA    |
| NICHOLSON                     | WA           | YNIC/ALA    | OKAY CREEK                    | QLD          | YOAY/ALA    |
| NIFTY                         | WA           | YCNF/AD     | OATLANDS MEDICAL              | TAS          | YXOD/HLS    |
| NILDOTTIE                     | SA           | YNLD/ALA    | OBAN                          | QLD          | YOBN/ALA    |
| NILPINNA                      | SA           | YNPA/ALA    | OBERON                        | NSW          | YOBE/HLS    |
| NINGALOO VISION FPSO          | WA           | YNGV/HLS    | OCEAN GROVE                   | VIC          | YOCG/HLS    |
| NOBBYS CREEK                  | NSW          | YNOB/ALA    | OCEAN LEGEND                  | WA           | XOL/HLS     |
| NOCCUNDRA                     | QLD          | YNCD/ALA    | OCHRE ARCH                    | NSW          | YOCA/ALA    |
| NOCKATUNGA                    | QLD          | YNOC/ALA    | OENPELLI                      | NT           | YOEN/AD     |
| NONNING                       | SA           | YNIG/ALA    | OKHA OIL RIG FPSO             | WA           | YOCA/HLS    |
| NOONBAH                       | QLD          | YNBH/ALA    | OLD ANDADO                    | NT           | YOAD/ALA    |
| NOONDOONIA HS                 | WA           | YNON/ALA    | OLD ARAFURA                   | NT           | YOAF/ALA    |
| NOONKANBAH                    | WA           | YNKA/ALA    | OLD BAR                       | NSW          | YOBRR/ALA   |
| NOORAMA STATION               | QLD          | YNOR/ALA    | OLD BUNDEMAR                  | NSW          | YBDM/ALA    |
| NOOSA                         | QLD          | YNSH/ALA    | OLD STATION                   | QLD          | YOSN/ALA    |
| NOOYEAH DOWNS                 | QLD          | YNOO/ALA    | OLGA DOWNS                    | QLD          | YOGD/ALA    |
| NORFOLK                       | QLD          | YNOF/ALA    | OLYMPIC DAM                   | SA           | YOLD/AD     |
| NORFOLK ISLAND                | OTH          | YSNF/AD     | OMEO                          | VIC          | YOMO/HLS    |
| NORMAN REEF                   | QLD          | YNOM/HLS    | OMICRON                       | QLD          | YOMI/ALA    |
| NORMANTON                     | QLD          | YNTN/AD     | ONE ARM PT                    | WA           | YOAP/ALA    |
| NORMANTON HELIPAD             | QLD          | YNTH/HLS    | ONKAPARINGA GORGE             | SA           | YONK/HLS    |
| NORSEMAN                      | WA           | YNSM/ALA    | ONSLow                        | WA           | YOLW/AD     |
| NORTH BUNDY STATION           | NSW          | YNBS/ALA    | OODNADATTA                    | SA           | YOOD/ALA    |
| NORTH GREGORY/ELLIOTT FIELD   | QLD          | YETT/ALA    | OOMBABEER                     | QLD          | YOBM/ALA    |
| NORTH ISLAND                  | WA           | YNTI/ALA    | OORATIPPPRA                   | NT           | YORT/ALA    |
| NORTH KANANGRA                | NSW          | YNKG/HLS    | OOTANN                        | QLD          | YOTN/ALA    |
| NORTH PINJARRA                | WA           | YNPJ/ALA    | OPIUM CREEK                   | NT           | YOPC/ALA    |
| NORTH RANKIN                  | WA           | YXNR/HLS    | ORANA PARK                    | QLD          | YOPK/ALA    |
| NORTH SOLITARY ISLAND         | NSW          | YNSI/HLS    | ORANGE                        | NSW          | YORG/AD     |
| NORTH WELL                    | SA           | YNWL/ALA    | ORANGE BLOOMFIELD HOSPITAL    | NSW          | YXOG/HLS    |
| NORTHAM                       | WA           | YNTM/ALA    | ORANGE EAST HELIPORT          | NSW          | YOEH/HLS    |
| NORTHAMPTON                   | WA           | YNHP/ALA    | ORANGE HELICOPTER RESCUE BASE | NSW          | YXCF/HLS    |
| NORTHERN BEACHES HOSPITAL     | NSW          | YXNL/HLS    | ORBOST                        | VIC          | YORB/AD     |
| NORTHERN ENDEAVOUR            | OTH          | YNEN/HLS    | ORBOST                        | VIC          | YORS/HLS    |
| NORTHERN PENINSULA            | QLD          | YNPE/AD     | ORCHID BEACH                  | QLD          | YORC/ALA    |
| NOVA                          | WA           | YNOV/AD     | ORD RIVER                     | WA           | YORV/ALA    |
| NOWRA                         | NSW          | YSNW/AD     | OREILLYS                      | QLD          | YXOR/HLS    |
| NUBEENA                       | TAS          | YNBA/HLS    | ORIELTON                      | QLD          | YOIT/ALA    |
| NULLAGINE                     | WA           | YNUL/ALA    | ORIENT WELL                   | WA           | YORW/ALA    |
| NULLARBOR MOTEL               | SA           | YNUB/ALA    | ORLEANS FARM                  | WA           | YORL/ALA    |
| NUMBULWAR                     | NT           | YNUM/AD     | ORPHEUS ISLAND                | QLD          | YOPH/ALA    |
| NUMERY                        | NT           | YNUE/ALA    | ORROROO                       | SA           | YORR/ALA    |
| NUMINBAH                      | QLD          | YXNU/HLS    | ORUNGAL                       | QLD          | YORU/ALA    |
| NUMURKAH                      | VIC          | YNKH/HLS    | OSBORNE ISLANDS               | WA           | YOSI/ALA    |
| NUTWOOD DOWNS                 | NT           | YNUT/ALA    | OSBORNE MINE                  | QLD          | YOSB/AD     |
| NYANG HS                      | WA           | YNYG/ALA    | OSPREY REEF                   | QLD          | YOPY/HLS    |
| NYAPARI                       | SA           | YNYP/ALA    | OURDELL                       | QLD          | YODL/ALA    |
| NYIRRIPI                      | NT           | YNRR/ALA    | OUSE MEDICAL                  | TAS          | YXOS/HLS    |
| NYMAGEE                       | NSW          | YNYM/ALA    | OUYEN                         | VIC          | YOUY/ALA    |
| NYNGAN                        | NSW          | YNYN/AD     | OXLEY                         | NSW          | YOLY/ALA    |
| OAK CREEK COAL                | QLD          | YOCC/ALA    | OXLEY POLICE ACADEMY          | QLD          | YOXL/HLS    |
| OAK CREEK COAL TIERI TOWNSHIP | QLD          | YTIE/HLS    | OYSTER REEF                   | QLD          | YOYS/HLS    |
| OAK VALLEY                    | SA           | YOKV/ALA    | PACIFIC HAVEN                 | QLD          | YPAC/ALA    |
|                               |              |             | PADDYS FLAT                   | NSW          | YPDF/ALA    |

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|-------------------------|-------|----------|------------------------|-------|----------|
| PADTHAWAY STN           | SA    | YPDY/ALA | PINE VIEW PARK         | QLD   | YPVP/HLS |
| PAJINKA                 | QLD   | YPAJ/HLS | PINKENBA               | QLD   | YAAP/HLS |
| PALEN CREEK             | NSW   | YXPA/HLS | PINNACLE               | QLD   | YPIN/ALA |
| PALM BEACH              | NSW   | YPLB/ALA | PINNACLES HS           | WA    | YPCS/ALA |
| PALM ISLAND             | QLD   | YPAM/AD  | PINNARENDI             | QLD   | YPNA/ALA |
| PALMER RIVER            | QLD   | YPAL/HLS | PINNAROO               | SA    | YPNN/ALA |
| PALMERS ISLAND/MACLEAN  | NSW   | YPLI/ALA | PINORA                 | NSW   | YPNR/ALA |
| PALMERVILLE             | QLD   | YPMI/ALA | PIPELINE AUTHORITY     | NSW   | YXPP/HLS |
| PALMYRA                 | QLD   | YPYA/ALA | MEDICAL YOUNG          |       |          |
| PALPARARA               | QLD   | YPPA/ALA | PIPERS FIELD           | NSW   | YPIP/ALA |
| PALUMPA                 | NT    | YPUA/ALA | PITTSWORTH             | QLD   | YPWH/ALA |
| PANDIE PANDIE           | SA    | YPMI/ALA | PLANET DOWNS           | QLD   | YPDS/ALA |
| PANDORA                 | QLD   | YPAN/ALA | PLEASANT PARK          | VIC   | YPPK/ALA |
| PANNAWONICA             | WA    | YPNW/ALA | PLEVNA DOWNS           | QLD   | YPVD/ALA |
| PANTIJAN                | WA    | YPJN/ALA | PLUMBAGO               | SA    | YPMB/ALA |
| PANTON HILL             | VIC   | YPAH/HLS | PLUTO ALPHA            | WA    | YPLA/HLS |
| PAPUNYA                 | NT    | YPAY/ALA | PLUTONIC               | WA    | YPLU/AD  |
| PARABURDOO              | WA    | YPBO/AD  | POINT COOK             | VIC   | YMPC/AD  |
| PARADISE WATERS         | QLD   | YPAW/HLS | POINT DAVID            | NT    | YPDD/ALA |
| PARAKYLIA               | SA    | YPKI/ALA | POINT LOOKOUT          | QLD   | YPLT/HLS |
| PARDOO STN              | WA    | YPDO/ALA | POONCARIE              | NSW   | YPCE/AD  |
| PARKES                  | NSW   | YPKS/AD  | POREPUNKAH             | VIC   | YPOK/ALA |
| PARKES HOSPITAL         | NSW   | YXPK/HLS | PORMPURAAW             | QLD   | YPMF/AD  |
| PARSONS BEACH           | SA    | YPRS/HLS | PORPHYRY               | WA    | YPOP/ALA |
| PASCOE RIVER            | QLD   | YPRV/ALA | PORT ARTHUR            | TAS   | YPAR/HLS |
| PASSAGE ISLAND          | TAS   | YPSI/ALA | PORT ARTHUR MEDICAL    | TAS   | YXPU/HLS |
| PATCHEWOLLOCK           | VIC   | YPCH/ALA | PORT AUGUSTA           | SA    | YPAG/AD  |
| PATJARR                 | WA    | YPTJ/ALA | PORT BREMMER           | NT    | YPMB/ALA |
| PAYNES FIND             | WA    | YPYF/ALA | PORT BROUGHTON         | SA    | YPMB/ALA |
| PEAK HILL               | NSW   | YPKH/ALA | PORT CAMPBELL HELIPORT | VIC   | YPHP/HLS |
| PEAK HILL               | WA    | YPLL/ALA | PORT DOUGLAS           | QLD   | YPTD/HLS |
| PEAK HILL HOSPITAL      | NSW   | YXPH/HLS | PORT FAIRY             | VIC   | YPPA/ALA |
| PEAKE                   | SA    | YPKE/ALA | PORT GEORGE            | WA    | YPTG/ALA |
| PEARCE                  | WA    | YPEA/AD  | PORT HEDLAND           | WA    | YPPD/AD  |
| PENFIELD                | VIC   | YPEF/ALA | PORT HEDLAND HELIPORT  | WA    | YHIP/HLS |
| PENNY                   | WA    | YPEN/ALA | PORT HEDLAND HOSPITAL  | WA    | YXPD/HLS |
| PENONG                  | SA    | YPNG/ALA | PORT HEDLAND/WODGINA   | WA    | YWGA/AD  |
| PENTLAND                | QLD   | YPND/ALA | PORT HURD              | NT    | YPHU/ALA |
| PEPPIMENARTI            | NT    | YPEP/ALA | PORT KEATS             | NT    | YPKT/AD  |
| PERCH PLATFORM          | VIC   | YUPE/HLS | PORT LINCOLN           | SA    | YPLC/AD  |
| PERENJORI               | WA    | YPJI/ALA | PORT MACQUARIE         | NSW   | YPMQ/AD  |
| PERISHER                | NSW   | YPSR/HLS | PORT MACQUARIE BASE    | NSW   | YXPM/HLS |
| PERNATTY                | SA    | YPTT/ALA | HOSPITAL               |       |          |
| PERRYS PADDOCK          | WA    | YDPK/HLS | PORT PIRIE             | SA    | YPIR/AD  |
| PERTH                   | WA    | YPPH/AD  | PORT PIRIE HOSPITAL    | SA    | YXPE/HLS |
| PERTH/JANDAKOT          | WA    | YPJT/AD  | PORT VICTORIA          | SA    | YPVC/HLS |
| PETERBOROUGH            | SA    | YPTB/ALA | PORT WAKEFIELD         | SA    | YPWF/HLS |
| PETERBOROUGH/GREAT      | VIC   | YPBH/AD  | PORTARLINGTON          | VIC   | YPTA/HLS |
| OCEAN ROAD              |       |          | PORTIA GOLD MINE       | SA    | YPOA/ALA |
| PETRO STATION           | NSW   | YPET/ALA | PORTLAND               | VIC   | YPOD/AD  |
| PHILLIP ISLAND HELIPORT | VIC   | YPID/HLS | PORTLAND               | NSW   | YPOR/HLS |
| PIA                     | WA    | YPIX/ALA | PORTLAND DOWNS         | QLD   | YPTL/ALA |
| PICCANINNY              | QLD   | YPIC/ALA | PORTLAND HOSPITAL      | VIC   | YXPR/HLS |
| PICCANINNY PLAINS       | QLD   | YPPS/ALA | PORTSEA                | VIC   | YPTS/HLS |
| PICKERTARAMOOR          | NT    | YPCM/ALA | PORTSMITH              | QLD   | YPOT/HLS |
| PIER 35 HELIPORT        | VIC   | YIER/HLS | POWELLTOWN             | VIC   | YPWL/HLS |
| PIGEON HOLE             | NT    | YPGH/ALA | PRELUDE FLNG           | WA    | YLNG/HLS |
| PINDARA HOSPITAL        | QLD   | YXPI/HLS | PRENTI DOWNS STN       | WA    | YPNI/ALA |

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|-----------------------------------|--------------|-------------|------------------------|--------------|-------------|
| PRESTON FIELD                     | WA           | YPFL/ALA    | REDLANDS BAY HOSPITAL  | QLD          | YXRD/HLS    |
| PRINCE CHARLES HOSPITAL           | QLD          | YPRC/HLS    | REDMONT                | WA           | YRDM/ALA    |
| PRINCESS ALEXANDRA HOSPITAL       | QLD          | YPRI/HLS    | REEDYS                 | WA           | YRDY/ALA    |
| PROMINENT HILL                    | SA           | YPMH/AD     | REINDEER PLATFORM      | WA           | YRDP/HLS    |
| PROSERPINE HOSPITAL               | QLD          | YXPN/HLS    | REMLAP PARK            | NSW          | YREM/ALA    |
| PROSERPINE/WHITSUNDAY COAST       | QLD          | YBPN/AD     | RENMARK                | SA           | YREN/AD     |
| PUCKAPUNYAL                       | VIC          | YPKL/ALA    | RENMARK HOSPITAL       | SA           | YXRM/HLS    |
| PUK PUK                           | QLD          | YPUK/ALA    | RESEARCH STN           | NT           | YCPX/ALA    |
| PUNGALINA                         | NT           | YPUG/ALA    | RESURRECTION           | NSW          | YRSN/HLS    |
| PUNMU                             | WA           | YPUN/ALA    | RETREAT HS             | QLD          | YRES/ALA    |
| PUNSAND BAY                       | QLD          | YPSB/HLS    | REXTON                 | QLD          | YRXN/ALA    |
| PYRAMID HILL                      | VIC          | YPYD/ALA    | RHODES RIDGE           | WA           | YRRG/ALA    |
| PYRENEES VENTURE                  | WA           | YPYV/HLS    | RICHFIELD              | QLD          | YRFD/ALA    |
| QUAIRADING                        | WA           | YQDG/ALA    | RICHMOND (NSW)         | NSW          | YSRI/AD     |
| QUAMBATOOK                        | VIC          | YQBK/ALA    | RICHMOND (QLD)         | QLD          | YRMD/AD     |
| QUAMBONE                          | NSW          | YQBE/ALA    | RICHMOND (VIC)         | VIC          | YRIH/HLS    |
| QUEEN ELIZABETH II MEDICAL CENTRE | WA           | YXQE/HLS    | RICHMOND DOWNS         | QLD          | YRDS/ALA    |
| QUEENSCLIFF                       | VIC          | YQCF/HLS    | RIDDELL                | VIC          | YRID/ALA    |
| QUEENSLAND CHILDREN'S HOSPITAL    | QLD          | YXQC/HLS    | RINGER SOAK            | WA           | YRSK/ALA    |
| QUEENSTOWN                        | TAS          | YQNS/ALA    | RINGWOOD STN           | NT           | YRNW/ALA    |
| QUILPIE                           | QLD          | YQLP/AD     | RIPCORDER              | QLD          | YRIO/ALA    |
| QUIRINDI                          | NSW          | YQDI/AD     | RISDON STUD            | QLD          | YRSS/ALA    |
| QUIRINDI MEDICAL                  | NSW          | YXQU/HLS    | RIVEREN                | NT           | YRVE/ALA    |
| QUONDONG                          | SA           | YQON/HLS    | RIVERSLEIGH            | QLD          | YRLH/ALA    |
| QUORN                             | SA           | YQRN/ALA    | ROBE                   | SA           | YRBE/ALA    |
| RABBIT FLAT                       | NT           | YRBT/ALA    | ROBERTSON BARRACKS     | NT           | YRBK/HLS    |
| RADISSON PIER                     | QLD          | YRAP/HLS    | ROBINHOOD              | QLD          | YROB/ALA    |
| RAFFLES BAY                       | NT           | YRFB/ALA    | ROBINSON DAIRY FARM    | QLD          | YRDF/HLS    |
| RAGLAN                            | VIC          | YRAG/ALA    | ROBINSON RIVER         | NT           | YRBR/ALA    |
| RAILTON                           | TAS          | YRTN/HLS    | ROBINVALE              | VIC          | YROI/AD     |
| RAINBOW BEACH                     | QLD          | YRBB/ALA    | ROCHEDALE              | QLD          | YRCD/HLS    |
| RAMINGINING                       | NT           | YRNG/AD     | ROCKHAMPTON            | QLD          | YBRK/AD     |
| RANDWICK                          | NSW          | YRWK/HLS    | ROCKHAMPTON DOWNS      | NT           | YRKD/ALA    |
| RANDWICK MEDICAL                  | NSW          | YXRA/HLS    | ROCKHAMPTON HOSPITAL   | QLD          | YXRK/HLS    |
| RANKIN POINT                      | NT           | YRPT/ALA    | ROCKLANDS              | QLD          | YRKS/ALA    |
| RANKU                             | NT           | YRAK/ALA    | ROCKLEA                | WA           | YRLE/ALA    |
| RAT ISLAND                        | WA           | YRAT/ALA    | ROEBOURNE              | WA           | YROE/ALA    |
| RAVENSTHORPE                      | WA           | YNRV/AD     | ROKEBY                 | QLD          | YRBY/ALA    |
| RAVENSWOOD                        | QLD          | YRVW/ALA    | ROKEBY POLICE ACADEMY  | TAS          | YRKB/HLS    |
| RAVENSWORTH                       | NSW          | YRWH/ALA    | ROLLESTON              | QLD          | YRLL/ALA    |
| RAVENSWORTH COAL CHPP             | NSW          | YRAC/HLS    | ROLLESTON OPEN CUT     | QLD          | YROL/HLS    |
| RAVENSWORTH OPEN CUT              | NSW          | YROC/HLS    | ROLLOS                 | SA           | YRLO/ALA    |
| RAWLINNA                          | WA           | YRAW/ALA    | ROMA                   | QLD          | YROM/AD     |
| RAWLINNA HS                       | WA           | YRWA/ALA    | ROMSEY                 | VIC          | YRSY/ALA    |
| RAWNSLEY PARK                     | SA           | YRYK/ALA    | ROPER BAR              | NT           | YRRB/ALA    |
| RAYMANGIRR                        | NT           | YRRR/ALA    | ROSALIE PLAINS         | QLD          | YROP/ALA    |
| RAYMORE HS                        | QLD          | YRAM/ALA    | ROSE BAY               | NSW          | YRAY/ALA    |
| RAYNER PLACE HELIPORT             | NSW          | YRYP/HLS    | ROSE VALE              | NSW          | YRVL/ALA    |
| RAYWOOD                           | VIC          | YRYW/ALA    | ROSEBERTH              | QLD          | YRSB/ALA    |
| RED DOME MINE                     | QLD          | YRDN/ALA    | ROSEVALE               | QLD          | YRSV/ALA    |
| RED HILL SOUTH                    | VIC          | YRDH/HLS    | ROSS RIVER             | NT           | YROV/ALA    |
| REDBANK MINE                      | NT           | YRBM/ALA    | ROSTELLA               | TAS          | YRST/ALA    |
| REDCLIFFE                         | QLD          | YRED/ALA    | ROTHSAY MINE           | WA           | YROT/ALA    |
| REDFORD/REDFORD STATION           | QLD          | YARE/ALA    | ROTHWELL               | VIC          | YRTH/ALA    |
|                                   |              |             | ROTTNEST ISLAND        | WA           | YRTI/AD     |
|                                   |              |             | ROWLAND FLAT           | SA           | YRWF/ALA    |
|                                   |              |             | ROWSLEY                | VIC          | YRWS/HLS    |
|                                   |              |             | ROWSLEY/BROOKS LANDING | VIC          | YBSL/ALA    |

| LOCATION                  | STATE | CODE     | LOCATION               | STATE | CODE     |
|---------------------------|-------|----------|------------------------|-------|----------|
| ROXBOROUGH DOWNS          | QLD   | YROX/ALA | SEISIA                 | QLD   | YSEI/HLS |
| ROXBY DOWNS               | SA    | YRXB/ALA | SERPENTINE             | WA    | YSEN/ALA |
| ROY HILL STN              | WA    | YRYH/ALA | SHADY CAMP             | NT    | YSHA/ALA |
| ROYAL BRISBANE HOSPITAL   | QLD   | YRBH/HLS | SHANNON RIVER          | WA    | YSHN/ALA |
| ALPHA                     |       |          | SHARK BAY              | WA    | YSHK/AD  |
| ROYAL BRISBANE HOSPITAL   | QLD   | YRBC/HLS | SHEFFIELD              | TAS   | YSHD/HLS |
| CHARLIE                   |       |          | SHELLHARBOUR AIRPORT   | NSW   | YSHL/AD  |
| ROYAL CHILDREN'S HOSPITAL | VIC   | YRHO/HLS | SHELLHARBOUR HOSPITAL  | NSW   | YXSH/HLS |
| ROYAL DARWIN HOSPITAL     | NT    | YXDH/HLS | SHEPPARTON             | VIC   | YSHT/AD  |
| ROYAL HOBART HOSPITAL     | TAS   | YXHH/HLS | SHERLOCK BAY           | WA    | YSRK/ALA |
| ROYAL MELBOURNE           | VIC   | YRMH/HLS | SHIRLEY                | QLD   | YSIE/ALA |
| HOSPITAL                  |       |          | SHOALHAVEN EMERGENCY   | NSW   | YXSE/HLS |
| ROYAL NORTH SHORE         | NSW   | YXNS/HLS | MANAGEMENT CENTRE      |       |          |
| HOSPITAL                  |       |          | SHUTE HARBOUR/         | QLD   | YSHR/ALA |
| ROYAL PERTH HOSPITAL      | WA    | YXRP/HLS | WHITSUNDAY             |       |          |
| ROYAL PRINCE ALFRED       | NSW   | YRPA/HLS | SIAM                   | SA    | YSIA/ALA |
| HOSPITAL                  |       |          | SILENT GROVE           | WA    | YSLG/ALA |
| RURRANGALA                | NT    | YRUL/ALA | SILVER HILLS           | QLD   | YSVH/ALA |
| RURRUWUY                  | NT    | YRUR/ALA | SILVER PLAINS          | QLD   | YSVP/ALA |
| RUSHWORTH                 | VIC   | YRSW/HLS | SINCLAIR               | WA    | YSNC/ALA |
| RUSSELL ISLAND HLS        | QLD   | YXRU/HLS | SINGLETON              | NSW   | YSGT/ALA |
| RUTLAND PLAINS            | QLD   | YRTP/ALA | SINGLETON HOSPITAL     | NSW   | YXSI/HLS |
| RYANS POINT               | TAS   | YRYA/HLS | SIR JOHN FALLS (GORDON | TAS   | YSJF/HLS |
| RYLSTONE AIRPARK          | NSW   | YRYL/ALA | RIVER)                 |       |          |
| RYLSTONE HOSPITAL         | NSW   | YXRN/HLS | SKARDON RIVER          | QLD   | YSKR/ALA |
| SADIES BEACH HELIPAD      | QLD   | YSBH/HLS | SKI BEACH              | NT    | YSKI/ALA |
| SAIBAI ISLAND             | QLD   | YSII/AD  | SKYSAFARI BASE         | QLD   | YSSP/HLS |
| SAINT GEORGE              | QLD   | YSGE/AD  | SMITH PT               | NT    | YSMP/ALA |
| SAINT HELENS              | TAS   | YSTH/AD  | SMITHTON               | TAS   | YSMI/ALA |
| SALE                      | VIC   | YSLT/HLS | SMOKEY CREEK           | QLD   | YSMK/ALA |
| SALT CREEK                | SA    | YSCK/ALA | SNAKE BAY              | NT    | YSNK/AD  |
| SAMARAI                   | QLD   | YSAM/ALA | SNAKE ISLAND           | VIC   | YSNI/HLS |
| SAMUEL HILL               | QLD   | YSMH/ALA | SNAPPER PLATFORM       | VIC   | YUSN/HLS |
| SAND CAY                  | QLD   | YSAY/HLS | SOLOMON                | WA    | YSOL/AD  |
| SANDFIRE ROAD HOUSE       | WA    | YSFI/ALA | SOMERSBY               | NSW   | YSMB/ALA |
| SANDFLY                   | TAS   | YSFY/ALA | SOUTH CAIRNS HEALTH    | QLD   | YXCE/HLS |
| SANDRINGHAM STN           | QLD   | YSAG/ALA | FACILITY               |       |          |
| SANDSTONE                 | WA    | YSAN/ALA | SOUTH CHITTERING       | WA    | YSCT/HLS |
| SANDY CAPE                | TAS   | YSAC/HLS | SOUTH GALWAY           | QLD   | YSGW/ALA |
| SANDY CAY                 | QLD   | YSYY/HLS | SOUTH GOULBURN ISLAND  | NT    | YGBI/AD  |
| SANTA TERESA              | NT    | YSTT/ALA | SOUTH GRAFTON          | NSW   | YSGR/ALA |
| SAVANNAH DOWNS            | QLD   | YSAD/ALA | SOUTH MOLLE ISLAND     | QLD   | YSML/HLS |
| SAWFISH CAMP              | NT    | YSAW/ALA | SOUTH SOLITARY ISLAND  | NSW   | YSSL/HLS |
| SAXBY DOWNS               | QLD   | YSXB/ALA | SOUTH WEST ROCKS       | NSW   | YSWK/ALA |
| SCAMPTON AIRFIELD         | NSW   | YSAF/ALA | SOUTHCARE BASE         | ACT   | YXSB/HLS |
| SCAWFELL ISLAND           | QLD   | YSCF/HLS | SOUTHERN CROSS         | WA    | YSCR/AD  |
| SCHERGER (RAAF)           | QLD   | YBSG/AD  | SOUTHERN HILLS         | WA    | YSOH/ALA |
| SCONE                     | NSW   | YSCO/AD  | SOUTHPORT              | QLD   | YSPT/ALA |
| SCONE MEDICAL             | NSW   | YXSC/HLS | SOUTHWELL              | QLD   | YSOW/ALA |
| SCORESBY/CARIBBEAN PARK   | VIC   | YSCP/HLS | SPEEWAH                | QLD   | YSEE/HLS |
| SCOTIA SANCTUARY          | NSW   | YSCA/ALA | SPILSBY ISLAND         | SA    | YSPY/ALA |
| SCOTTSDALE MEDICAL        | TAS   | YXSO/HLS | SPRING CREEK           | QLD   | YSPK/ALA |
| SEA LAKE                  | VIC   | YSLK/ALA | SPRINGBROOK            | QLD   | YXSP/HLS |
| SEA WORLD                 | QLD   | YSWD/HLS | SPRINGFIELD            | QLD   | YSPF/ALA |
| SEABUOY                   | WA    | YSBY/HLS | SPRINGSURE             | QLD   | YSPI/ALA |
| SEAL ISLAND               | VIC   | YSLI/HLS | SPRINGVALE             | VIC   | YSPA/HLS |
| SEDAN                     | SA    | YSDN/HLS | SPRINGVALE             | QLD   | YSPV/ALA |
| SEDAN                     | SA    | YSEA/ALA | ST ARNAUD              | VIC   | YSTA/AD  |

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|-------------------------------|-------|----------|------------------------------------|-------|----------|
| ST GEORGE HOSPITAL            | NSW   | YXSG/HLS | SWANSEA MEDICAL                    | TAS   | YXSW/HLS |
| ST HELENS DISTRICT HOSPITAL   | TAS   | YXSD/HLS | SWEERS ISLAND                      | QLD   | YSWE/ALA |
| ST LAWRENCE                   | QLD   | YSLW/ALA | SYDNEY ADVENTIST HOSPITAL          | NSW   | YXSA/HLS |
| ST LEONARDS                   | VIC   | YSL/ALA  | SYDNEY CHILDRENS HOSPITAL          | NSW   | YXSN/HLS |
| ST MARYS MEDICAL              | TAS   | YXSM/HLS | SYDNEY/BANKSTOWN                   | NSW   | YSBK/AD  |
| ST PAULS                      | QLD   | YPAU/HLS | SYDNEY/KINGSFORD SMITH             | NSW   | YSSY/AD  |
| STAG PLATFORM                 | WA    | YSTG/HLS | SYLVANIA HS                        | WA    | YSLV/ALA |
| STANLEY                       | TAS   | YSTN/HLS | TABLE HILL                         | NT    | YTB/ALA  |
| STANTHORPE                    | QLD   | YSPE/AD  | TABLELAND HS                       | WA    | YTAB/ALA |
| STANTHORPE HOSPITAL           | QLD   | YXST/HLS | TAGGERTY                           | VIC   | YTG/ALA  |
| STAR LANDING AREA             | QLD   | YSTD/ALA | TAHMOOR MINE                       | NSW   | YTAH/HLS |
| STARKE FIELD                  | QLD   | YSKF/ALA | TALBOT BAY                         | WA    | YTB/ALA  |
| STAWELL                       | VIC   | YSWL/AD  | TALGAI                             | QLD   | YTL/ALA  |
| STENHOUSE BAY                 | SA    | YSHS/HLS | TALWOOD                            | QLD   | YTWD/ALA |
| STEPHENS ISLAND               | QLD   | YSTI/ALA | TAMBAR SPRINGS                     | NSW   | YTMS/ALA |
| STIRLING NORTH/FLINDERS FIELD | SA    | YFFD/ALA | TAMBO                              | QLD   | YTMB/ALA |
| STIRLING STATION              | QLD   | YSTL/ALA | TAMBORINE MT                       | QLD   | YXTM/HLS |
| STOKES/WARRENVALE STATION     | QLD   | YWVL/ALA | TAMWORTH                           | NSW   | YSTW/AD  |
| STONEFIELD GLIDING            | SA    | YSFG/ALA | TAMWORTH HOSPITAL                  | NSW   | YXTW/HLS |
| STONEHENGE                    | QLD   | YSTO/ALA | TANAMERA                           | QLD   | YTME/ALA |
| STRADBROKE STATION            | QLD   | YSBO/ALA | TANAMI                             | NT    | YTMN/ALA |
| STRAHAN                       | TAS   | YSRN/AD  | TANAMI DOWNS                       | NT    | YTAN/ALA |
| STRATFORD                     | QLD   | YSTF/HLS | TANGALOOMA                         | QLD   | YTGA/ALA |
| STRATHALBYN                   | SA    | YSYN/ALA | TANGALOOMA RESORT                  | QLD   | YXTA/HLS |
| STRATHALBYN HOSPITAL          | SA    | YXSY/HLS | TANUMBIRINI STN                    | NT    | YTN/ALA  |
| STRATHAVEN                    | QLD   | YSVN/ALA | TANUNDA HOSPITAL                   | SA    | YXTN/HLS |
| STRATHBURN                    | QLD   | YSTB/ALA | TARA                               | QLD   | YTAA/ALA |
| STRATHEARN                    | SA    | YSTR/ALA | TARA HOSPITAL                      | QLD   | YXRH/HLS |
| STRATHGORDON                  | QLD   | YSGD/ALA | TARCOMBE                           | QLD   | YTRC/ALA |
| STRATHGORDON                  | TAS   | YSGN/HLS | TARCOOLA                           | SA    | YTAR/ALA |
| STRATHGUYLE                   | NSW   | YSGL/ALA | TARCOONYINNA                       | SA    | YTCY/ALA |
| STRATHLEVEN                   | QLD   | YSLN/ALA | TAREE                              | NSW   | YTRE/AD  |
| STRATHMAY                     | QLD   | YSMY/ALA | TARLTON DOWNS                      | NT    | YTLT/ALA |
| STRATHMORE                    | QLD   | YSMR/ALA | TAROOM                             | QLD   | YTAM/AD  |
| STREAKY BAY                   | SA    | YKBY/AD  | TARRAGONA                          | QLD   | YTRN/ALA |
| STUART CREEK                  | SA    | YSTC/ALA | TARTRUS                            | QLD   | YTTS/ALA |
| STUART MEADOWS                | WA    | YSED/ALA | TASMAN ISLAND                      | TAS   | YTSI/HLS |
| STUARTS CREEK                 | QLD   | YSEK/ALA | TAYLORS PLAINS                     | QLD   | YTAP/ALA |
| SUDBURY REEF                  | QLD   | YSUD/HLS | TELFER                             | WA    | YTEF/AD  |
| SUDLEY                        | QLD   | YSDL/ALA | TELLARAGA                          | NSW   | YTEL/ALA |
| SUMMERHILL ROAD HELIPAD       | SA    | YSUM/HLS | TEMORA                             | NSW   | YTEM/AD  |
| SUNBURY EAST                  | VIC   | YSBE/ALA | TENNANT CREEK                      | NT    | YTNK/AD  |
| SUNNYSIDE                     | NSW   | YSNY/ALA | TENTERFIELD                        | NSW   | YTFD/ALA |
| SUNRAYSIA GLIDING             | VIC   | YSRG/ALA | TENTERFIELD HOSPITAL               | NSW   | YXTE/HLS |
| SUNRISE DAM                   | WA    | YSRD/AD  | TERANG                             | QLD   | YTEA/ALA |
| SUNSHINE COAST                | QLD   | YBSU/AD  | TESSA SHOALS                       | WA    | YTES/HLS |
| SUNSHINE COAST HOSPITAL       | QLD   | YXHS/HLS | TEXAS                              | QLD   | YTEX/ALA |
| SUPPLEJACK DOWNS              | NT    | YSUJ/ALA | TEXAS MULTI PURPOSE HEALTH SERVICE | QLD   | YXTX/HLS |
| SURAT                         | QLD   | YSRT/ALA | THALMERA                           | QLD   | YTMA/ALA |
| SUTHERLAND STATION            | QLD   | YSLD/ALA | THANGOOL                           | QLD   | YTNG/AD  |
| SUTTOR CREEK                  | QLD   | YSUT/ALA | THANGOOL/DRUMBURLE                 | QLD   | YDRU/ALA |
| SWAN BAY                      | NSW   | YSWB/ALA | THARGOMINDAH                       | QLD   | YTGM/AD  |
| SWAN HILL                     | VIC   | YSWH/AD  | THE BOULDERERS                     | QLD   | YBUS/HLS |
| SWAN HILL                     | QLD   | YSWQ/ALA | THE GARDEN                         | NT    | YGDR/ALA |
| SWAN REACH                    | SA    | YSWR/HLS | THE GLEBE                          | TAS   | YGBE/HLS |

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|--------------------------|-------|----------|-----------------------|-------|----------|
| THE GLEN AIRFIELD        | QLD   | YGEN/HLS | TOOWOOMBA HOSPITAL    | QLD   | YXTO/HLS |
| THE GRANITES             | NT    | YTGT/AD  | TORQUAY               | VIC   | YTQY/ALA |
| THE LAKES                | NSW   | YLKS/ALA | TORRENS CREEK         | QLD   | YTCK/ALA |
| THE LILY                 | WA    | YTLY/ALA | TORWOOD               | QLD   | YTRW/ALA |
| THE MONUMENT             | QLD   | YTMO/AD  | TOTTENHAM             | NSW   | YTOT/ALA |
| THE OAKS                 | NSW   | YOAS/ALA | TOWNSEND ISLAND       | QLD   | YTND/HLS |
| THE SHOALHAVEN HOSPITAL  | NSW   | YXNW/HLS | TOWNSVILLE HOSPITAL   | QLD   | YXTL/HLS |
| NOWRA                    |       |          | TOWNSVILLE/TOWNSVILLE | QLD   | YBTL/AD  |
| THE TWINS                | SA    | YTHT/ALA | INTL                  |       |          |
| THE VALE                 | TAS   | YVAL/ALA | TOWRANG GLIDING       | NSW   | YTWG/ALA |
| THE VILLE                | QLD   | YVIL/HLS | TRAEGER               | SA    | YTRG/ALA |
| THE VINES RESORT         | WA    | YTVR/HLS | TRAFALGAR LANE        | TAS   | YTAF/HLS |
| THEDA STN                | WA    | YTHD/ALA | TRAGOWEL              | QLD   | YTGW/ALA |
| THEODORE                 | QLD   | YTDR/AD  | TRANGIE               | NSW   | YTGJ/ALA |
| THEVENARD ISLAND         | WA    | YTHV/ALA | TREFOIL ISLAND        | TAS   | YTRF/ALA |
| THISTLE ISLAND           | SA    | YTHI/ALA | TRELAWNEY             | QLD   | YTWE/ALA |
| THORPDALE                | VIC   | YTPD/ALA | TREPELL               | QLD   | YTEE/AD  |
| THREDBO                  | NSW   | YTHB/HLS | TRIABUNNA MEDICAL     | TAS   | YXTB/HLS |
| THREE HUMMOCK ISLAND     | TAS   | YTHM/ALA | TRIAL BAY             | NT    | YTIY/ALA |
| THREE RIVERS HS          | WA    | YTHR/ALA | TRINIDAD              | QLD   | YTIH/ALA |
| THREE ROCKS              | QLD   | YTRS/HLS | TRINITY INLET         | QLD   | YTRI/ALA |
| THREE SPRINGS            | WA    | YTHS/ALA | TROPICANA             | WA    | YTRA/AD  |
| THUNDERBOX               | WA    | YTHN/AD  | TROUBRIDGE ISLAND     | SA    | YTRD/HLS |
| THURSDAY ISLAND          | QLD   | YTUD/HLS | TROUGHTON ISLAND      | WA    | YTTI/AD  |
| THURSDAY ISLAND HOSPITAL | QLD   | YXTI/HLS | TRUGANINNIE           | QLD   | YTUG/ALA |
| THYLACINE A PLATFORM     | TAS   | YTHA/HLS | TRUNDLE               | NSW   | YTUE/ALA |
| THYLUNGRA                | QLD   | YTHY/ALA | TRUNDLE MEDICAL       | NSW   | YXTD/HLS |
| TI TREE                  | NT    | YTit/ALA | TRURO FLAT AIRPARK    | NSW   | YTFA/ALA |
| TI TREE                  | QLD   | YTTE/ALA | TRURO/VALLEY FARM     | SA    | YVAF/ALA |
| TIBOOBURRA               | NSW   | YTIB/AD  | TRUSCOTT-MUNGALALU    | WA    | YTST/AD  |
| TIBUC VALLEY             | NSW   | YTBV/ALA | TUCSON                | QLD   | YTCU/ALA |
| TICKALARA HS             | QLD   | YTIH/ALA | TULLAH                | TAS   | YTUL/HLS |
| TIDAL RIVER              | VIC   | YTDL/HLS | TULLAMORE             | NSW   | YTLL/ALA |
| TIERAWOOMBA              | QLD   | YTWA/ALA | TULLY                 | QLD   | YTUY/ALA |
| TIEYON STN               | SA    | YTYN/ALA | TULLY HOSPITAL        | QLD   | YXTU/HLS |
| TILPA                    | NSW   | YTLP/ALA | TUMBAR STATION        | QLD   | YTUM/ALA |
| TIMBAROO                 | QLD   | YTRO/ALA | TUMBARUMBA            | NSW   | YTBM/ALA |
| TIMBER CREEK             | NT    | YTBK/ALA | TUMBY BAY             | SA    | YTBK/AD  |
| TINAROO FALLS RESV       | QLD   | YTFR/ALA | TUMUT                 | NSW   | YTMU/AD  |
| TINDAL                   | NT    | YPTN/AD  | TUNA PLATFORM         | VIC   | YUNA/HLS |
| TIPPERARY                | NT    | YTPA/ALA | TUNBRIDGE             | TAS   | YTUN/ALA |
| TIRRAWARRA               | SA    | YTIW/ALA | TUREE                 | NSW   | YTUR/ALA |
| TJIRRKARLI               | WA    | YTJI/ALA | TUREE CREEK           | WA    | YTRK/ALA |
| TJUKURLA                 | WA    | YJUK/ALA | TURKEY CREEK          | WA    | YTKY/ALA |
| TJUNTJUNTJARRA           | WA    | YTJU/ALA | TURKEY LANE           | SA    | YTKL/ALA |
| TOBERMOREY               | NT    | YTMY/ALA | TURTLE PARK           | QLD   | YTPK/ALA |
| TOCUMWAL                 | NSW   | YTOD/AD  | TWEED HEADS HOSPITAL  | NSW   | YTWH/HLS |
| TODMORDEN                | SA    | YTDM/ALA | TWEED VALLEY HOSPITAL | NSW   | YXTV/HLS |
| TOGO STATION             | NSW   | YTOG/ALA | TWO WELLS             | SA    | YTWL/HLS |
| TOLINESS                 | QLD   | YTNS/ALA | TYABB                 | VIC   | YTYA/ALA |
| TOOGoolawah              | QLD   | YTLH/ALA | TYAGARAH              | NSW   | YTYH/ALA |
| TOOLACHIE                | SA    | YTOA/ALA | UCHARONIDGE STN       | NT    | YUCH/ALA |
| TOOLOOMBILLA HS          | QLD   | YTOL/ALA | ULAN COAL MINES       | NSW   | YULN/HLS |
| TOOMBA                   | QLD   | YTOB/ALA | ULCANBAH              | QLD   | YULC/ALA |
| TOOPUNTUL                | NSW   | YTPL/ALA | UMBAKUMBA             | NT    | YUBK/ALA |
| TOORADIN                 | VIC   | YTDN/ALA | UMBEARA               | NT    | YUMB/ALA |
| TOORAWEEAH               | NSW   | YTWN/ALA | UMUWA                 | SA    | YUMU/ALA |
| TOOWOOMBA                | QLD   | YTWB/AD  | UNDARA                | QLD   | YUDA/ALA |



| <b>LOCATION</b>              | <b>STATE</b> | <b>CODE</b> | <b>LOCATION</b>                | <b>STATE</b> | <b>CODE</b> |
|------------------------------|--------------|-------------|--------------------------------|--------------|-------------|
| UNDILLA STATION              | QLD          | YUDL/ALA    | WARIALDA                       | NSW          | YWRL/ALA    |
| UPOLU CAY                    | QLD          | YUPC/HLS    | WARKWORTH                      | NSW          | YWKW/ALA    |
| UPPER WARREGO/<br>BABBILOORA | QLD          | YABB/ALA    | WARKWORTH MEDICAL              | NSW          | YXWK/HLS    |
| URANDANGI                    | QLD          | YUDG/ALA    | WARNERVALE                     | NSW          | YWVA/ALA    |
| URAPUNGA                     | NT           | YUPG/ALA    | WARRABER ISLAND                | QLD          | YWBS/ALA    |
| URLAMPE                      | NT           | YURL/ALA    | WARRABRI                       | NT           | YWBI/ALA    |
| USELESS LOOP                 | WA           | YUSL/ALA    | WARRACKNABEAL                  | VIC          | YWKB/AD     |
| UTOPIA                       | NT           | YUTP/ALA    | WARRAGUL                       | VIC          | YWAR/HLS    |
| UTOPIA STN                   | NT           | YUTS/ALA    | WARRAWAGINE STN                | WA           | YWWG/ALA    |
| VAN ROOK STATION             | QLD          | YVRS/ALA    | WARRAWEE                       | QLD          | YWWWE/ALA   |
| VANSITTART BAY               | WA           | YVAN/ALA    | WARREN                         | NSW          | YWRN/AD     |
| VARLEY                       | WA           | YVLY/ALA    | WARRNAMBOOL                    | VIC          | YWBL/AD     |
| VASHON HEAD                  | NT           | YVSH/ALA    | WARROORA HS                    | WA           | YWRR/ALA    |
| VAUGHAN SPRINGS              | NT           | YVNS/ALA    | WARWICK                        | QLD          | YWCK/AD     |
| VICTOR HARBOR                | SA           | YVTH/HLS    | WARWICK HOSPITAL               | QLD          | YXWA/HLS    |
| VICTOR ISLAND EAST           | QLD          | YVIE/HLS    | WATERHOUSE ISLAND              | TAS          | YWTH/ALA    |
| VICTOR ISLAND WEST           | QLD          | YVIW/HLS    | WATERLOO (NT)                  | NT           | YWTL/ALA    |
| VICTORIA BARRACKS            | NSW          | YVCB/HLS    | WATHANIN                       | QLD          | YWNI/ALA    |
| VICTORIA POLICE CENTRE       | VIC          | YVPC/HLS    | WATSON RIVER                   | QLD          | YWTV/ALA    |
| VICTORIA RIVER DOWNS         | NT           | YVRD/ALA    | WATTLE HILLS                   | QLD          | YWAT/ALA    |
| VICTORIA VALLEY              | VIC          | YVVA/ALA    | WATTS BRIDGE                   | QLD          | YWSG/ALA    |
| VICTORIAN HEART HOSPITAL     | VIC          | YXVH/HLS    | WAUCHOPE                       | NT           | YWAC/ALA    |
| VIOLET VALE                  | QLD          | YVVL/ALA    | WAVE HILL                      | NT           | YWAV/ALA    |
| VIVONNE BAY                  | SA           | YVOB/ALA    | WAVE ROCK                      | WA           | YWRG/ALA    |
| WADDAMANA                    | TAS          | YWDM/HLS    | WAYATINAH                      | TAS          | YWYT/HLS    |
| WAGGA WAGGA                  | NSW          | YSWG/AD     | WEDDERBURN                     | NSW          | YWBN/ALA    |
| WAGGA WAGGA HOSPITAL         | NSW          | YXWG/HLS    | WEDGE ISLAND                   | SA           | YWGI/ALA    |
| WAGIN                        | WA           | YWGN/ALA    | WEE WAA HOSPITAL               | NSW          | YXWW/HLS    |
| WAHRING FIELD                | VIC          | YWHG/ALA    | WEEWONDILLA                    | QLD          | YWWD/ALA    |
| WAHROONGAH                   | QLD          | YWAH/ALA    | WEILMORINGLE                   | NSW          | YWMG/ALA    |
| WAIKERIE                     | SA           | YWKI/ALA    | WEIPA                          | QLD          | YBWP/AD     |
| WAKOOL/TULLABURRA            | NSW          | YTUB/ALA    | WEIPA HELIPORT                 | QLD          | YWEH/HLS    |
| WALCHA                       | NSW          | YWCH/ALA    | WEIPA HOSPITAL                 | QLD          | YXEP/HLS    |
| WALCHA MEDICAL               | NSW          | YXWH/HLS    | WELFORD                        | QLD          | YWLF/ALA    |
| WALCROW MEDICAL              | NSW          | YXWR/HLS    | WELL 33                        | WA           | YWEX/ALA    |
| WALDBURG HS                  | WA           | YWAB/ALA    | WELLCLOSE                      | QLD          | YWEC/ALA    |
| WALGETT                      | NSW          | YWLG/AD     | WELLINGTON                     | NSW          | YWEL/ALA    |
| WALHALLOW STN                | NT           | YWHL/ALA    | WELLINGTON MEDICAL             | NSW          | YXWT/HLS    |
| WALKER RIVER                 | NT           | YWRV/ALA    | WENTWORTH                      | NSW          | YWTO/AD     |
| WALLABADAH MEDICAL           | NSW          | YXWV/HLS    | WENTWORTH                      | QLD          | YXWH/ALA    |
| WALLAL DOWNS                 | WA           | YWAL/ALA    | WERNADINGA                     | QLD          | YWER/ALA    |
| WALLAROO                     | SA           | YWRO/HLS    | WERRINGTON                     | QLD          | YWRS/ALA    |
| WALPOLE                      | WA           | YWPE/ALA    | WERRIS CREEK MEDICAL           | NSW          | YXWI/HLS    |
| WANAARING                    | NSW          | YWAG/ALA    | WERTALLOONA                    | SA           | YWEQ/ALA    |
| WANDA BEACH                  | NSW          | YWAN/HLS    | WEST ANGELAS                   | WA           | YANG/AD     |
| WANDAGEE STN                 | WA           | YWGE/ALA    | WEST KINGFISH PLATFORM         | VIC          | YUFW/HLS    |
| WANDO VALE                   | QLD          | YWDV/ALA    | WEST MUSGRAVE                  | WA           | YWMO/AD     |
| WANDOAN                      | QLD          | YWNN/ALA    | WEST SALE                      | VIC          | YWSL/AD     |
| WANDOO ALPHA                 | WA           | YWAA/HLS    | WEST TUNA PLATFORM             | VIC          | YUNW/HLS    |
| WANDOO BRAVO                 | WA           | YWAO/HLS    | WEST WYALONG                   | NSW          | YWWL/AD     |
| WANELLA STATION              | QLD          | YWEA/ALA    | WESTBURY                       | QLD          | YWBY/ALA    |
| WANGARATTA                   | VIC          | YNGA/HLS    | WESTBURY/CROFTON FARM          | TAS          | YCRF/ALA    |
| WANGARATTA                   | VIC          | YWGT/AD     | WESTMEAD CASB                  | NSW          | YXWS/HLS    |
| WANNAN                       | WA           | YWAX/ALA    | WESTMEAD CHILDRENS<br>HOSPITAL | NSW          | YXWM/HLS    |
| WARBRECCAN                   | QLD          | YWCN/ALA    | WESTMEAD HOSPITAL              | NSW          | YWST/HLS    |
| WARBURTON                    | WA           | YWBR/AD     | WESTMORELAND                   | QLD          | YWML/ALA    |
| WARDANG ISLAND               | SA           | YWDI/HLS    | WESTONIA                       | WA           | YWSX/ALA    |

| <b>LOCATION</b>        | <b>STATE</b> | <b>CODE</b> | <b>LOCATION</b>              | <b>STATE</b> | <b>CODE</b> |
|------------------------|--------------|-------------|------------------------------|--------------|-------------|
| WHEATSTONE PLATFORM    | WA           | YWTP/HLS    | WONGAWOL                     | WA           | YWGW/ALA    |
| WHITE CLIFFS           | NSW          | YWHC/AD     | WONTHAGGI TOWNSHIP           | VIC          | YWOG/HLS    |
| WHITE GUM              | WA           | YWGM/ALA    | WOODIE WOODIE                | WA           | YWWI/AD     |
| WHITE TIP REEF         | QLD          | YWTE/HLS    | WOODIKAPILDIA                | NT           | YWKD/ALA    |
| WHITING PLATFORM       | VIC          | YUWH/HLS    | WOODSIDE                     | SA           | YWDS/HLS    |
| WHYALLA                | SA           | YWHA/AD     | WOODSTOCK STATION            | QLD          | YWSN/ALA    |
| WHYALLA (QLD)          | QLD          | YWYL/ALA    | WOOLEEN HS                   | WA           | YWEE/ALA    |
| WHYTES ISLAND          | QLD          | YWHY/HLS    | WOOLGOOLGA MEDICAL           | NSW          | YXWU/HLS    |
| WIEAMBILLA/KENYA       | QLD          | YWIM/HLS    | WOOLNER                      | NT           | YWNR/ALA    |
| WIGRAM IS              | NT           | YWIG/ALA    | WOOLOOMANATA                 | VIC          | YWOT/ALA    |
| WILANDRA               | NSW          | YWIL/ALA    | WOOLTANA                     | SA           | YWLN/ALA    |
| WILCANNIA              | NSW          | YWCA/AD     | WOOMERA                      | SA           | YPWR/AD     |
| WILKINS RUNWAY         | OTH          | YWKS/ALA    | WOORABINDA                   | QLD          | YWBA/ALA    |
| WILLEROO               | NT           | YWLO/ALA    | WOORABINDA HEALTH<br>SERVICE | QLD          | YXND/HLS    |
| WILLIAM CREEK          | SA           | YWMC/ALA    | WOOROONA                     | QLD          | YWRA/ALA    |
| WILLIAMSBURY           | WA           | YWMY/ALA    | WROTHAM PARK                 | QLD          | YWMP/ALA    |
| WILLIAMSON             | QLD          | YWIS/ALA    | WROTHAM PARK RESORT          | QLD          | YWMR/ALA    |
| WILLIAMTOWN            | NSW          | YWLM/AD     | WUDINNA                      | SA           | YWUD/AD     |
| WILLIS IS              | OTH          | YWLD/HLS    | WUJAL WUJAL                  | QLD          | YWJL/HLS    |
| WILLIWIN               | QLD          | YWWX/ALA    | WULWUWUY                     | NT           | YWUL/ALA    |
| WILLOWBANK             | QLD          | YWIN/ALA    | WYAGIPO                      | NT           | YWYG/ALA    |
| WILLOWRA               | NT           | YWLA/ALA    | WYALKATCHEM                  | WA           | YWKM/ALA    |
| WILPENA                | SA           | YWPN/ALA    | WYANDOTTE                    | QLD          | YWDG/ALA    |
| WILPOORINNA            | SA           | YWPR/ALA    | WYANDRA                      | QLD          | YWYA/ALA    |
| WILSON'S CAMP          | NT           | YWCM/ALA    | WYCHEPROOF                   | VIC          | YWYF/AD     |
| WILSONS PROMONTORY     | VIC          | YWLP/HLS    | WYLOO STATION                | WA           | YLOO/ALA    |
| WILTON                 | NSW          | YWIO/ALA    | WYNBRING                     | SA           | YWYB/ALA    |
| WILUNA                 | WA           | YWLU/AD     | WYNDHAM                      | WA           | YWYM/AD     |
| WINCHELSEA             | VIC          | YWCS/HLS    | WYNYARD                      | TAS          | YWYY/AD     |
| WINDARLING             | WA           | YWDG/AD     | WYOMING                      | QLD          | YWYO/HLS    |
| WINDARRA               | WA           | YWDA/ALA    | WYONG HOSPITAL               | NSW          | YXWY/HLS    |
| WINDJANA GORGE         | WA           | YWDJ/ALA    | WYREEMA                      | QLD          | YWYR/ALA    |
| WINDORAH               | QLD          | YWDH/AD     | YACAMUNDA                    | QLD          | YYAC/ALA    |
| WINGELLINA             | WA           | YWNL/ALA    | YACKABINDIE                  | WA           | YYAB/ALA    |
| WINNING POOL NORTH     | WA           | YWPL/ALA    | YAGGA YAGGA                  | WA           | YYGG/ALA    |
| WINTINNA               | SA           | YWTA/ALA    | YALAKUN STN                  | NT           | YYLK/ALA    |
| WINTON                 | QLD          | YWTN/AD     | YALATA MISSION               | SA           | YYTA/ALA    |
| WIRRALIE GOLD MINE     | QLD          | YWIE/ALA    | YALDA DOWNS HS               | NSW          | YYLD/ALA    |
| WIRRAMINNA             | SA           | YWIR/ALA    | YALGOO                       | WA           | YYAL/ALA    |
| WIRRAWAY STATION       | QLD          | YWWS/ALA    | YALLALONG HS                 | WA           | YYLG/ALA    |
| WIRREALPA              | SA           | YWPA/ALA    | YALYMBOO                     | SA           | YYOO/ALA    |
| WIRRINA                | SA           | YWII/HLS    | YAM ISLAND                   | QLD          | YYMI/ALA    |
| WITCHELINA             | SA           | YWHI/ALA    | YAMARNA                      | WA           | YYRN/ALA    |
| WODGINA                | WA           | YWDC/ALA    | YAMBA                        | NSW          | YAMA/HLS    |
| WOLEEBEE CREEK         | QLD          | YEBE/HLS    | YANDIEARRA                   | WA           | YYA/ALA     |
| WOLGAN VALLEY HELIPORT | NSW          | YWVR/HLS    | YANKALLILA                   | SA           | YYNK/HLS    |
| WOLLOGORANG            | NT           | YWOR/ALA    | YANREY                       | WA           | YYNR/ALA    |
| WOLLOMOMBI             | NSW          | YWMM/ALA    | YARAKA                       | QLD          | YYKA/ALA    |
| WOLLONGONG HELIPORT    | NSW          | YWHP/HLS    | YARLARWEELOR                 | WA           | YYRW/ALA    |
| WOLLONGONG HOSPITAL    | NSW          | YXWL/HLS    | YARLOOP                      | WA           | YYLP/HLS    |
| WOLVERTON              | QLD          | YWVN/ALA    | YARRABAH                     | QLD          | YBHL/HLS    |
| WOMBLEBANK HS          | QLD          | YWBH/ALA    | YARRADEN                     | QLD          | YYDN/ALA    |
| WONDAI                 | QLD          | YWND/ALA    | YARRALIN                     | NT           | YAAL/ALA    |
| WONDAI HOSPITAL        | QLD          | YXWO/HLS    | YARRAM                       | VIC          | YRMT/HLS    |
| WONDOOLA               | QLD          | YWDL/ALA    | YARRAM                       | VIC          | YYRM/AD     |
| WONGALARA              | NT           | YWON/ALA    | YARRAWONGA                   | VIC          | YYWG/AD     |
| WONGAN HILLS           | WA           | YWOH/ALA    | YARROWMERE                   | QLD          | YYME/ALA    |
| WONGANOO               | WA           | YWNO/ALA    |                              |              |             |

| LOCATION             | STATE | CODE     | LOCATION           | STATE | CODE     |
|----------------------|-------|----------|--------------------|-------|----------|
| YASS HOSPITAL        | NSW   | YXYA/HLS | YORKETOWN HOSPITAL | SA    | YXYK/HLS |
| YEA                  | VIC   | YEAT/HLS | YOUANMI            | WA    | YOUN/ALA |
| YEABURN              | VIC   | YYEA/ALA | YOUNG              | NSW   | YYNG/AD  |
| YELLAGONGA           | WA    | YYEL/HLS | YOUNG HOSPITAL     | NSW   | YXYO/HLS |
| YELLOW BANK JUNCTION | QLD   | YYLL/ALA | YOWAH              | QLD   | YYWA/ALA |
| YEPPOON HOSPITAL     | QLD   | YXPO/HLS | YUENDUMU           | NT    | YYND/ALA |
| YERILLA              | WA    | YYER/ALA | YUINMERY           | WA    | YYUM/ALA |
| YINNIETHARRA STN     | WA    | YYIN/ALA | YUNDAMINDRA        | WA    | YYDM/ALA |
| YINYIKAY             | NT    | YYAY/ALA | YUNTA              | SA    | YYUN/ALA |
| YOLLA PLATFORM       | TAS   | YOLL/HLS | ZANTHUS            | WA    | YZAN/ALA |
| YORKE ISLAND         | QLD   | YYKI/AD  | ZONE FIVE          | WA    | YZON/ALA |
| YORKETOWN            | SA    | YYOR/ALA |                    |       |          |

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**AERODROMES AND ALA CODES - DECODED**

| <b>CODE</b> | <b>LOCATION</b>                | <b>STATE</b> | <b>CODE</b> | <b>LOCATION</b>                 | <b>STATE</b> |
|-------------|--------------------------------|--------------|-------------|---------------------------------|--------------|
| BHD/HLS     | BHD SUPPLY MOBILE RIG          | WA           | YAMN/ALA    | ALAMEIN                         | SA           |
| KIT/HLS     | KITAN MOBILE RIG               | WA           | YAMO/ALA    | BELYANDO/MORAY DOWNS            | QLD          |
| XMR/HLS     | MARINE 500 MOBILE DRILLING RIG | WA           | YAMT/ALA    | AMATA                           | SA           |
| XOL/HLS     | OCEAN LEGEND                   | WA           | YAND/ALA    | ANSWER DOWNS                    | QLD          |
| YAAL/ALA    | YARRALIN                       | NT           | YANE/HLS    | MOUNT ANNE                      | TAS          |
| YAAP/HLS    | PINKENBA                       | QLD          | YANG/AD     | WEST ANGELAS                    | WA           |
| YABA/AD     | ALBANY                         | WA           | YANJ/ALA    | ANGATJA                         | SA           |
| YABB/ALA    | UPPER WARREGO/<br>BABBILOORA   | QLD          | YANK/ALA    | ANNA CREEK                      | SA           |
| YABD/ALA    | ABERDEEN                       | QLD          | YANL/ALA    | ANTHONY LAGOON                  | NT           |
| YABF/ALA    | ABERFOYLE                      | QLD          | YANN/ALA    | ANNINGIE                        | NT           |
| YABG/ALA    | ABBIEGLASSIE                   | QLD          | YANO/ALA    | ARNO HS                         | QLD          |
| YABI/ALA    | ABINGDON DOWNS                 | QLD          | YANR/ALA    | ANABURROO                       | NT           |
| YABL/ALA    | AMBALINDUM                     | NT           | YANW/ALA    | ANNITOWA                        | NT           |
| YABP/ALA    | MOOGA/BRINDLEY PARK            | QLD          | YAOC/ALA    | DUNMORE/OPAL CREEK              | QLD          |
| YABR/AD     | ABRA MINE                      | WA           | YAOD/HLS    | AUST AGE OF DINOSAURS<br>MUSEUM | QLD          |
| YABS/ALA    | ALBION DOWNS                   | WA           | YAOR/ALA    | ARDMORE                         | QLD          |
| YACD/ALA    | ALICE DOWNS STN                | QLD          | YAPA/ALA    | ANNA PLAINS HS                  | WA           |
| YACI/ALA    | ARCADIA                        | QLD          | YAPH/AD     | ALPHA                           | QLD          |
| YACR/ALA    | LOTUS CREEK/CROYDON            | QLD          | YAPO/ALA    | APOLLO BAY                      | VIC          |
| YADA/ALA    | ADAVALE                        | QLD          | YAQA/ALA    | AQUILA                          | QLD          |
| YADD/ALA    | ARUBIDDY                       | WA           | YARA/AD     | ARARAT                          | VIC          |
| YADE/ALA    | ANNANDALE                      | QLD          | YARC/ALA    | ARCHER RIVER                    | QLD          |
| YADG/ALA    | ALDINGA                        | SA           | YARD/ALA    | ARGADARGADA                     | NT           |
| YADO/ALA    | ANDADO                         | NT           | YARE/ALA    | REDFORD/REDFORD STATION         | QLD          |
| YADR/ALA    | ALDERSYDE                      | QLD          | YARF/HLS    | ARLINGTON REEF                  | QLD          |
| YADS/ALA    | ALTON DOWNS                    | SA           | YARG/AD     | ARGYLE                          | WA           |
| YADY/ALA    | ADAMINABY                      | NSW          | YARI/ALA    | ARIZONA HS                      | QLD          |
| YAFD/HLS    | ALFRED HOSPITAL                | VIC          | YARK/ALA    | ARKAROOA                        | SA           |
| YAGD/ALA    | AUGUSTUS DOWNS                 | QLD          | YARL/ALA    | ARDLETHAN                       | NSW          |
| YAGL/ALA    | ARGYLE                         | QLD          | YARM/AD     | ARMIDALE                        | NSW          |
| YAGP/HLS    | ANGEL PLATFORM OIL RIG         | WA           | YARN/ALA    | AREYONGA                        | NT           |
| YAHD/ALA    | ASHBURTON DOWNS                | WA           | YARP/ALA    | ARAPUNYA                        | NT           |
| YAIN/HLS    | AGINCOURT NORTH                | QLD          | YARR/ALA    | MORANBAH/RUGBY RUN              | QLD          |
| YAIR/ALA    | MOREE/BEELA                    | NSW          | YARY/ALA    | ARRABURY                        | QLD          |
| YAIS/HLS    | AGINCOURT SOUTH                | QLD          | YASF/ALA    | ASHFORD                         | NSW          |
| YAIW/HLS    | ADELAIDE INTL RACEWAY          | SA           | YATN/ALA    | ATHERTON                        | QLD          |
| YALA/ALA    | MARLA                          | SA           | YATR/ALA    | AMPHITHEATRE                    | VIC          |
| YALC/ALA    | ALCOOTA STN                    | NT           | YATU/ALA    | ARCTURUS DOWNS HS               | QLD          |
| YALD/ALA    | ALROY DOWNS                    | NT           | YAUA/ALA    | AUGATHELLA                      | QLD          |
| YALG/ALA    | ADELS GROVE                    | QLD          | YAUB/ALA    | AUBURN                          | QLD          |
| YALH/ALA    | ALBILBAH                       | QLD          | YAUG/ALA    | AUGUSTA                         | WA           |
| YALM/ALA    | ALLAMBIE                       | NT           | YAUR/AD     | AURUKUN                         | QLD          |
| YALN/ALA    | ALLANDY                        | NSW          | YAUS/ALA    | AUSTRAL DOWNS STN               | NT           |
| YALP/ALA    | ALPURRURULAM                   | NT           | YAUT/ALA    | AUTEUIL                         | QLD          |
| YALR/ALA    | AILERON                        | NT           | YAUV/ALA    | AUVERGNE STN                    | NT           |
| YALT/HLS    | ALTHORPE ISLAND                | SA           | YAVD/ALA    | AVON DOWNS                      | NT           |
| YALX/ALA    | ALEXANDRIA STN                 | NT           | YAVE/ALA    | AVONAL EAST                     | VIC          |
| YALY/ALA    | ALDERLEY                       | QLD          | YAVS/ALA    | ALSTONVILLE SOUTH               | NSW          |
| YAMA/HLS    | YAMBA                          | NSW          | YAWT/ALA    | AGNES WATER                     | QLD          |
| YAMB/AD     | AMBERLEY                       | QLD          | YAXA/HLS    | ALEXANDRA                       | VIC          |
| YAMC/ALA    | ARAMAC                         | QLD          | YAYE/AD     | AYERS ROCK/CONNELLAN            | NT           |
| YAMJ/ALA    | AMPILATWATJA                   | NT           | YAYR/ALA    | AYR                             | QLD          |
| YAML/ALA    | ARMRAYNALD                     | QLD          | YAYT/HLS    | AYTON                           | QLD          |
| YAMM/ALA    | AMMAROO                        | NT           | YBAB/ALA    | BARALABA                        | QLD          |
|             |                                |              | YBAD/ALA    | BARADINE                        | NSW          |
|             |                                |              | YBAF/AD     | BRISBANE/ARCHERFIELD            | QLD          |

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|----------|----------------------------------|-------|----------|----------------------|-------|
| YBAK/ALA | BROOKLANDS AIR PARK              | SA    | YBEP/HLS | BELL PEAK            | QLD   |
| YBAL/ALA | BALLADONIA                       | WA    | YBEU/ALA | BEULAH               | VIC   |
| YBAN/ALA | MOUNT BARNETT                    | WA    | YBEV/ALA | BEVERLEY (WA)        | WA    |
| YBAR/AD  | BARCALTINE                       | QLD   | YBEX/HLS | BEDOUT ISLAND        | WA    |
| YBAS/AD  | ALICE SPRINGS                    | NT    | YBEY/ALA | BARENYA              | QLD   |
| YBAT/HLS | BATT REEF                        | QLD   | YBFM/ALA | BEEF MACHINE         | WA    |
| YBAU/ALA | BADU ISLAND                      | QLD   | YBFT/ALA | BEAUFORT             | VIC   |
| YBAW/ALA | BARKLY DOWNS                     | QLD   | YBFW/HLS | BEEFWOOD             | QLD   |
| YBAY/ALA | BAYGURTJI                        | NT    | YBGB/ALA | BEAGLE BAY           | WA    |
| YBAZ/HLS | BRAZAKKA                         | QLD   | YBGD/AD  | BOOLGEEDA            | WA    |
| YBBA/ALA | BARRABA                          | NSW   | YBGE/ALA | BOODGE               | WA    |
| YBBC/ALA | BAMBOO CREEK                     | WA    | YBGI/ALA | BALGAIR              | WA    |
| YBBE/ALA | BIG BELL                         | WA    | YBGO/AD  | BALGO HILL           | WA    |
| YBBF/ALA | BROOKLET/BLUEBERRY FIELDS        | NSW   | YBGR/ALA | BRIDGEWATER          | VIC   |
| YBBH/ALA | BIRRI BEACH                      | QLD   | YBGT/ALA | BUDGERYGAR STN       | QLD   |
| YBBL/ALA | BILLABALONG                      | WA    | YBGU/HLS | BULGA UNDERGROUND    | NSW   |
| YBBN/AD  | BRISBANE                         | QLD   | YBHB/ALA | BATHURST HARBOUR     | TAS   |
| YBBO/ALA | BON BON                          | SA    | YBHI/AD  | BROKEN HILL          | NSW   |
| YBBS/ALA | BAN BAN SPRINGS                  | NT    | YBHK/ALA | BUSHY PARK           | QLD   |
| YBBT/ALA | BOORT                            | VIC   | YBHL/ALA | BINDOON HILL         | WA    |
| YBBY/ALA | BINGIL BAY AIRFIELD              | QLD   | YBHM/AD  | HAMILTON ISLAND      | QLD   |
| YBCA/ALA | BULLA CAMP                       | NT    | YBHN/ALA | BLenheim             | QLD   |
| YBCB/ALA | BENCUBBIN                        | WA    | YBIC/ALA | BICKERTON ISLAND     | NT    |
| YBCD/ALA | BLACKWOOD                        | QLD   | YBIE/AD  | BEDOURIE             | QLD   |
| YBCF/ALA | BEACONSFIELD                     | QLD   | YBIG/ALA | BING BONG            | NT    |
| YBCG/AD  | GOLD COAST                       | QLD   | YBIK/ALA | BILLA KALINA         | SA    |
| YBCH/ALA | BEECHWORTH                       | VIC   | YBIL/ALA | BILLILUNA            | WA    |
| YBCK/AD  | BLACKALL                         | QLD   | YBIN/ALA | BIGGENDEN            | QLD   |
| YBCM/ALA | COOMINYA                         | QLD   | YBIR/AD  | BIRCHIP              | VIC   |
| YBCN/ALA | BLANCHETOWN                      | SA    | YBIT/ALA | BULLITA              | NT    |
| YBCP/HLS | BEACHPORT                        | SA    | YBIU/ALA | BALLIDU              | WA    |
| YBCR/ALA | BATCHELOR                        | NT    | YBIY/ALA | BIRANYBIRANY         | NT    |
| YBCS/AD  | CAIRNS/CAIRNS INTL               | QLD   | YBJP/ALA | BARRARATJPI          | NT    |
| YBCT/HLS | BLACK TIP WHP                    | WA    | YBJW/ALA | BANJAWARN            | WA    |
| YBCV/AD  | CHARLEVILLE                      | QLD   | YBKA/ALA | BANKSIA              | QLD   |
| YBCX/ALA | KOORINGAL/BAROCO                 | QLD   | YBKD/ALA | BLACK DOWNS STN      | QLD   |
| YBDA/HLS | BEDARRA ISLAND                   | QLD   | YBKE/AD  | BOURKE               | NSW   |
| YBDD/ALA | BRAIDWOOD (QLD)                  | QLD   | YBKL/ALA | BUKADAL              | NT    |
| YBDF/ALA | BEDFORD DOWNS                    | WA    | YBKS/ALA | BARKLY WAYSIDE INN   | NT    |
| YBDG/AD  | BENDIGO                          | VIC   | YBKT/AD  | BURKETOWN            | QLD   |
| YBDL/ALA | BRACADALE STATION                | SA    | YBKW/ALA | BURKE AND WILLS      | QLD   |
| YBDM/ALA | OLD BUNDEMAR                     | NSW   | YBLA/AD  | BENALLA              | VIC   |
| YBDO/ALA | BALLANDOOL                       | QLD   | YBLB/ALA | BILLABONG ROAD HOUSE | WA    |
| YBDP/ALA | BRIDPORT                         | TAS   | YBLC/ALA | BALCANOONA           | SA    |
| YBDR/HLS | BEAUDESERT                       | QLD   | YBLE/ALA | BILLOELA             | QLD   |
| YBDS/ALA | BIRTHDAY SIDING                  | SA    | YBLG/ALA | BOLLARDS LAGOON      | SA    |
| YBDU/ALA | BIRRINDUDU                       | NT    | YBLI/ALA | BALD HILLS           | NSW   |
| YBDV/AD  | BIRDSVILLE                       | QLD   | YBLJ/ALA | BOLLON               | QLD   |
| YBEA/ALA | BEEANTHA                         | QLD   | YBLM/ALA | BLINMAN              | SA    |
| YBEB/ALA | BELLBURN                         | WA    | YBLN/AD  | BUSSELTON            | WA    |
| YBEC/ALA | BEACON                           | WA    | YBLO/ALA | BULLIO               | NSW   |
| YBED/ALA | BERRIDALE                        | NSW   | YBLP/ALA | BLUEWATER PARK       | QLD   |
| YBEE/ALA | BEVERLEY MINE                    | SA    | YBLT/AD  | BALLARAT             | VIC   |
| YBEG/ALA | BENING FIELD                     | QLD   | YBLU/AD  | BELLEVUE             | WA    |
| YBEI/ALA | LITTLE SANDY DESERT/<br>BEYONDIE | WA    | YBLX/ALA | BELLGREE             | QLD   |
| YBEN/HLS | BELLENDEN KER                    | QLD   | YBMA/AD  | MOUNT ISA            | QLD   |
| YBEO/ALA | BETOOTA                          | QLD   | YBMD/ALA | BLOOMFIELD           | QLD   |
|          |                                  |       | YBMG/HLS | BERMAGUI             | NSW   |

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|----------|-----------------------------|-------|----------|----------------------------|-------|
| YBMI/ALA | BOOMI                       | NSW   | YBSF/ALA | BERESFORD                  | QLD   |
| YBMK/AD  | MACKAY                      | QLD   | YBSG/AD  | SCHERGER (RAAF)            | QLD   |
| YBMR/HLS | BARMERA                     | SA    | YBSL/ALA | ROWSLEY/BROOKS LANDING     | VIC   |
| YBMU/ALA | BARMOUNT                    | QLD   | YBSM/HLS | BLOSSOM BANKS              | QLD   |
| YBMY/ALA | BAMYILI                     | NT    | YBSN/ALA | BESSIE SPRINGS             | NT    |
| YBNA/AD  | BALLINA/BYRON GATEWAY       | NSW   | YBSO/HLS | BULGA SURFACE OPERATIONS   | NSW   |
| YBNC/ALA | BANNOCKBURN                 | WA    | YBSP/ALA | BOND SPRINGS               | NT    |
| YBND/ALA | BENDICK MURRELL             | NSW   | YBSR/ALA | BLACKSTONE RANGE           | WA    |
| YBNE/HLS | BAAL BONE COLLIERY          | NSW   | YBSS/ALA | BACCHUS MARSH              | VIC   |
| YBNH/HLS | BILLABONG HOUSE             | QLD   | YBST/ALA | BILLABONG STN              | NSW   |
| YBNI/ALA | BANIYALA                    | NT    | YBSU/AD  | SUNSHINE COAST             | QLD   |
| YBNM/ALA | BENMARARA                   | NT    | YBTC/ALA | BEATRICE DOWNS             | QLD   |
| YBNP/HLS | BARRONUP                    | QLD   | YBTD/ALA | BRIGHTON DOWNS             | QLD   |
| YBNR/ALA | BROWNS RANGE                | WA    | YBTH/AD  | BATHURST                   | NSW   |
| YBNS/AD  | BAIRNSDALE                  | VIC   | YBTI/AD  | BATHURST ISLAND            | NT    |
| YBNY/ALA | BRUNCHILLY STN              | NT    | YBTJ/HLS | BEATRICE JUNCTION          | QLD   |
| YBOA/ALA | BOONAH                      | QLD   | YBTK/ALA | BENTINCK ISLAND            | QLD   |
| YBOB/ALA | BOORABIN                    | WA    | YBTL/AD  | TOWNSVILLE/TOWNSVILLE INTL | QLD   |
| YBOC/ALA | BOOLEROO CENTRE             | SA    | YBTN/ALA | BARTON SIDING              | SA    |
| YBOE/ALA | BROCRABEE                   | WA    | YBTP/ALA | BATTLE CAMP STN            | QLD   |
| YBOF/HLS | BLENCO FALLS                | QLD   | YBTR/ALA | BLACKWATER                 | QLD   |
| YBOI/ALA | BOIGU ISLAND                | QLD   | YBTT/ALA | BUTTABONE                  | NSW   |
| YBOK/AD  | OAKLEY                      | QLD   | YBTU/ALA | BOOTU CREEK                | NT    |
| YBOL/ALA | BOGGABILLA                  | NSW   | YBTV/ALA | BATAVIA DOWNS              | QLD   |
| YBOM/ALA | BOMBALA                     | NSW   | YBTX/ALA | BRIGHTLANDS                | QLD   |
| YBON/HLS | BINDOON HLS                 | WA    | YBUD/AD  | BUNDABERG                  | QLD   |
| YBOO/ALA | BINDOON                     | WA    | YBUG/ALA | BULGA DOWNS STN            | WA    |
| YBOP/ALA | BOYUP BROOK                 | WA    | YBUH/ALA | BUCKINGHAM DOWNS           | QLD   |
| YBOR/ALA | BORDERTOWN                  | SA    | YBUI/HLS | BURNIE                     | TAS   |
| YBOS/ALA | BROOKING SPRINGS HS         | WA    | YBUL/ALA | BULGUNNIA                  | SA    |
| YBOT/ALA | BOATMAN                     | QLD   | YBUN/AD  | BUNBURY                    | WA    |
| YBOU/AD  | BOULIA                      | QLD   | YBUO/ALA | BULLOO DOWNS               | QLD   |
| YBOV/ALA | BORDER VILLAGE              | SA    | YBUR/ALA | BURRUM                     | NT    |
| YBOW/HLS | MOUNT BARROW                | TAS   | YBUS/HLS | THE BOULDERS               | QLD   |
| YBOY/ALA | BOOYLGOO SPRINGS            | WA    | YBUT/ALA | BUTHEROO STN               | NSW   |
| YBPI/ALA | BRAMPTON ISLAND             | QLD   | YBUX/ALA | BULLERINGA                 | QLD   |
| YBPK/HLS | BATMAN PARK HELIPORT        | VIC   | YBUY/ALA | BUNYAN                     | NSW   |
| YBPL/ALA | BULLAMON PLAINS             | QLD   | YBVA/ALA | BALAKLAVA                  | SA    |
| YBPN/AD  | PROSERPINE/WHITSUNDAY COAST | QLD   | YBVE/ALA | BELLEVUE                   | QLD   |
| YBRA/ALA | BENAMBRA                    | VIC   | YBVR/HLS | BEAVER REEF                | QLD   |
| YBRB/HLS | BROWSE BASIN                | WA    | YBVY/ALA | BULLO RIVER VALLEY         | NT    |
| YBRC/ALA | BARROW CREEK                | NT    | YBWG/ALA | BRONZEWING                 | WA    |
| YBRD/ALA | BRADSHAW                    | NT    | YBWH/ALA | BLUE LAGOON                | QLD   |
| YBRE/ALA | BREMER ISLAND               | NT    | YBWI/ALA | BURDEKIN WILDERNESS LODGE  | QLD   |
| YBRG/ALA | BALURGA                     | QLD   | YBWL/ALA | BRAMWELL STATION           | QLD   |
| YBRI/HLS | BERRI                       | SA    | YBWM/ALA | BULIMBA                    | QLD   |
| YBRJ/ALA | BURREN JUNCTION             | NSW   | YBWN/AD  | BOWEN                      | QLD   |
| YBRK/AD  | ROCKHAMPTON                 | QLD   | YBWO/ALA | BOWEN DOWNS                | QLD   |
| YBRL/ALA | BORROLOOLA                  | NT    | YBWP/AD  | WEIPA                      | QLD   |
| YBRM/AD  | BROOME/INTL                 | WA    | YBWR/ALA | BOLWARRA                   | QLD   |
| YBRN/AD  | BALRANALD                   | NSW   | YBWS/HLS | BROWSE ISLAND              | WA    |
| YBRO/ALA | BRUCE ROCK                  | WA    | YBWW/AD  | BRISBANE WEST WELLCAMP     | QLD   |
| YBRS/ALA | BARWON HEADS/GEELONG        | VIC   | YBWY/AD  | BARROW ISLAND              | WA    |
| YBRU/ALA | BRUNETTE DOWNS              | NT    | YBXU/HLS | MOUNT BULLER               | VIC   |
| YBRW/AD  | BREWARRINA                  | NSW   | YBYD/ALA | BONNEY DOWNS STN           | WA    |
| YBRY/AD  | BARIMUNYA                   | WA    | YBYI/ALA | BRUNY ISLAND               | TAS   |
| YBSA/HLS | BAROSSA                     | OTH   | YBYL/ALA | BARYULGIL                  | NSW   |

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|----------|-----------------------|-------|----------|-------------------------|-------|
| YBYM/ALA | BUYMARR               | NT    | YCFL/ALA | CAPE FLATTERY           | QLD   |
| YBYO/HLS | BRYMAROO              | QLD   | YCFN/ALA | CLIFTON                 | QLD   |
| YBYU/HLS | BAYU UN DAN           | WA    | YCFS/AD  | COFFS HARBOUR           | NSW   |
| YBYW/ALA | BAYSWATER             | QLD   | YCGI/ALA | CARNEGIE HS             | WA    |
| YCAB/ALA | CABOOLTURE            | QLD   | YCGL/ALA | CUNGELELLA              | QLD   |
| YCAG/ALA | CAIGUNA               | WA    | YCGO/AD  | CHILLAGOE               | QLD   |
| YCAH/ALA | COOLAH                | NSW   | YCGP/ALA | COTTAGE PT              | NSW   |
| YCAI/ALA | CALLION               | WA    | YCGR/ALA | CHALLENGER              | SA    |
| YCAJ/ALA | CADJEBUT              | WA    | YCHA/ALA | CHARLOTTE PLAINS        | QLD   |
| YCAL/ALA | CASTLEMAINE           | VIC   | YCHB/ALA | CHERRABAH               | QLD   |
| YCAM/ALA | CANNINGTON STN        | QLD   | YCHD/ALA | CHADWICK                | SA    |
| YCAN/ALA | CANNON HILL COMMUNITY | NT    | YCHE/ALA | CASHMERE DOWNS STN      | WA    |
| YCAP/ALA | CAPEL                 | WA    | YCHI/ALA | CAPE SHIELD (DJARRAKPI) | NT    |
| YCAR/AD  | CARNARVON             | WA    | YCHK/AD  | CHRISTMAS CREEK         | WA    |
| YCAS/ALA | CASINO                | NSW   | YCHL/ALA | CHARLTON                | VIC   |
| YCAV/HLS | CARAVONICA            | QLD   | YCHN/HLS | CHALLENGER SURVEY SHIP  | WA    |
| YCAX/HLS | CARRARA               | QLD   | YCHQ/ALA | CHESTERFIELD            | QLD   |
| YCAY/HLS | CASEY STATION         | OTH   | YCHS/ALA | CHEVIOT HILLS           | QLD   |
| YCBA/AD  | COBAR                 | NSW   | YCHT/AD  | CHARTERS TOWERS         | QLD   |
| YCBB/AD  | COONABARABRAN         | NSW   | YCHU/ALA | CHUULANGUN              | QLD   |
| YCBC/ALA | COME BY CHANCE        | NSW   | YCIG/ALA | CORRIGIN                | WA    |
| YCBE/ALA | CANOBIE               | QLD   | YCII/ALA | COLLINS ISLAND          | QLD   |
| YCBG/ALA | HOBART/CAMBRIDGE      | TAS   | YCIL/ALA | CARLTON HILL            | WA    |
| YCBH/HLS | CAIRNS HOSPITAL       | QLD   | YCIN/AD  | CURTIN                  | WA    |
| YCBL/ALA | CAMBALLIN             | WA    | YCIP/ALA | CRAIG'S POCKET          | QLD   |
| YCBM/HLS | COBRAM                | VIC   | YCJU/ALA | CONJUBOY                | QLD   |
| YCBN/ALA | CAPE BARREN ISLAND    | TAS   | YCKD/ALA | CLARKE ISLAND           | TAS   |
| YCBO/HLS | CAPE BORDA            | SA    | YCKI/AD  | CROKER ISLAND           | NT    |
| YCBP/AD  | COOBER PEDY           | SA    | YCKN/AD  | COOKTOWN                | QLD   |
| YCBR/ALA | COLLARENEBRI          | NSW   | YCKY/ALA | COCKLEBIDDY             | WA    |
| YCBY/HLS | COW BAY               | QLD   | YCLA/HLS | CLARE                   | SA    |
| YCCA/AD  | CHINCHILLA            | QLD   | YCLB/ALA | BRUKUNGA/CLAREMONT      | SA    |
| YCCF/HLS | CAPE CRAWFORD         | NT    | YCLC/HLS | COLAC                   | VIC   |
| YCCK/ALA | CANTEEN CREEK         | NT    | YCLD/HLS | COPPERLODE DAM          | QLD   |
| YCCL/HLS | COLLINSVILLE COAL     | QLD   | YCLG/ALA | COOLGARDIE              | WA    |
| YCCR/ALA | COOMALIE CREEK        | NT    | YCLH/ALA | COOLULLAH               | QLD   |
| YCCT/ALA | COCONUT ISLAND        | QLD   | YCLL/HLS | CADELL                  | SA    |
| YCCY/AD  | CLONCURRY             | QLD   | YCLM/ALA | COLLYMONGLE             | NSW   |
| YCDA/ALA | CARDOWAN              | QLD   | YCLN/HLS | CHARLIE ONE             | WA    |
| YCDB/ALA | COONDAMBO             | SA    | YCLO/ALA | COWL COWL               | NSW   |
| YCDE/ALA | COBDEN                | VIC   | YCLQ/ALA | CAPE LEVEQUE            | WA    |
| YCDH/ALA | CADNEY HOMESTEAD      | SA    | YCLS/ALA | COLONSAY                | QLD   |
| YCDO/AD  | CONDOBOLIN            | NSW   | YCLT/ALA | COLLINS LOWER TULLY     | QLD   |
| YCDP/HLS | CHARLES DARWIN        | NT    | YCLV/ALA | CLARVALE                | NT    |
| YCDR/ALA | CALOUNDRA             | QLD   | YCLY/ALA | COLEAMBALLY             | NSW   |
| YCDS/ALA | CHILDERS              | QLD   | YCMB/ALA | CAMBOOYA                | QLD   |
| YCDT/ALA | CARANDOTTA            | QLD   | YCMC/ALA | COMMANCHE               | QLD   |
| YCDU/AD  | CEDUNA                | SA    | YCMD/ALA | COMMODORE               | SA    |
| YCDV/ALA | CALDERVALE STN        | QLD   | YCME/HLS | CAPE MELVILLE           | QLD   |
| YCDW/ALA | CARDWELL/DALLACHY     | QLD   | YCMH/ALA | CAMDEN HAVEN            | NSW   |
| YCED/ALA | CEDARS PARK           | QLD   | YCMK/ALA | CAMEL CREEK             | QLD   |
| YCEE/AD  | CLEVE                 | SA    | YCMM/ALA | CUMMINS TOWN            | SA    |
| YCEL/ALA | CAPELLA               | QLD   | YCMT/AD  | CLERMONT                | QLD   |
| YCEM/ALA | COLDSTREAM            | VIC   | YCMU/AD  | CUNNAMULLA              | QLD   |
| YCES/ALA | CERES                 | VIC   | YCMW/AD  | CAMOOWEAL               | QLD   |
| YCFD/ALA | CAMFIELD STN          | NT    | YCNF/AD  | NIFTY                   | WA    |
| YCFE/ALA | CORFIELD              | QLD   | YCNG/ALA | COORANGA                | SA    |
| YCFH/ALA | CLIFTON HILLS         | SA    | YCNH/ALA | CARNAMAH                | WA    |



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|-------------|-------------------------|--------------|-------------|--------------------------|--------------|
| YCNK/AD     | CESSNOCK                | NSW          | YCSV/ALA    | COLLINSVILLE             | QLD          |
| YCNM/AD     | COONAMBLE               | NSW          | YCSW/ALA    | CAMP ENGSTROM WOOLSHED   | QLD          |
| YCNN/ALA    | COONANA                 | WA           | YCTA/ALA    | COOLATAI                 | NSW          |
| YCNP/AD     | CHANNEL PT              | NT           | YCTB/HLS    | CAFE TRIBULATION         | QLD          |
| YCNQ/ALA    | COONAWARRA              | SA           | YCTC/ALA    | COTTEN CREEK             | WA           |
| YCNR/ALA    | CANN RIVER              | VIC          | YCTH/ALA    | CHATSWORTH STATION       | QLD          |
| YCNT/HLS    | CROWS NEST              | QLD          | YCTI/ALA    | COCKATOO ISLAND          | WA           |
| YCNV/AD     | CENTURY MINE            | QLD          | YCTM/AD     | COOTAMUNDRA              | NSW          |
| YCOD/ALA    | CORDILLO DOWNS          | SA           | YCTN/ALA    | CASTERTON                | VIC          |
| YCOE/AD     | COEN                    | QLD          | YCTO/ALA    | CALLINGTON               | SA           |
| YCOF/ALA    | COFFIN BAY              | SA           | YCTP/ALA    | COEN TOWN                | QLD          |
| YCOH/ALA    | COHUNA                  | VIC          | YCTS/ALA    | CALTON HILLS             | QLD          |
| YCOI/ALA    | COLLIE                  | WA           | YCTW/ALA    | CORK TREE WELL           | WA           |
| YCOL/ALA    | COLANYA                 | QLD          | YCTY/HLS    | CAPE OTWAY               | VIC          |
| YCOM/AD     | COOMA - SNOWY MOUNTAINS | NSW          | YCUD/ALA    | CUDDAPAN                 | QLD          |
| YCOO/ALA    | COOINDA                 | NT           | YCUE/AD     | CUE                      | WA           |
| YCOP/HLS    | CORNY PT                | SA           | YCUL/HLS    | CUNGULLA HELIPAD         | QLD          |
| YCOR/AD     | COROWA                  | NSW          | YCUN/AD     | CUNDERDIN                | WA           |
| YCOS/ALA    | COSMO NEWBERRY          | WA           | YCUW/ALA    | CURRAWILLA HS            | QLD          |
| YCOT/ALA    | CORMORANT               | QLD          | YCVA/ALA    | CLARE VALLEY             | SA           |
| YCOV/HLS    | COURAN COVE             | QLD          | YCVG/ALA    | CALVIN GROVE             | SA           |
| YCOY/ALA    | CORAL BAY               | WA           | YCVH/ALA    | CALVERT HILLS            | NT           |
| YCPC/HLS    | CAPE CAPRICORN          | QLD          | YCVK/ALA    | CRAVENS PEAK             | QLD          |
| YCPD/ALA    | CAPE DON                | NT           | YCVS/ALA    | CERVANTES                | WA           |
| YCPI/ALA    | CHEEPIE                 | QLD          | YCWA/AD     | COONDEWANNA              | WA           |
| YCPK/ALA    | COOMBING PARK           | NSW          | YCWB/HLS    | CAPE WILLOUGHBY          | SA           |
| YCPL/HLS    | CAPE LAMBERT            | WA           | YCWC/ALA    | CONNELLANS WILDMAN       | NT           |
| YCPN/ALA    | CARPENTARIA DOWNS       | QLD          |             | LAGOON CAMP              |              |
| YCPR/AD     | CAPE PRESTON            | WA           | YCWH/ALA    | COMMONWEALTH HILL        | SA           |
| YCPS/ALA    | CANOPUS PARK            | QLD          | YCWJ/ALA    | COWARIE                  | SA           |
| YCPT/AD     | CARRAPATEENA            | SA           | YCWL/ALA    | COWELL                   | SA           |
| YCPX/ALA    | RESEARCH STN            | NT           | YCWN/ALA    | COROWA DOWNS             | QLD          |
| YCRA/ALA    | CARINDA                 | NSW          | YCWR/AD     | COWRA                    | NSW          |
| YCRB/ALA    | COORABIE                | SA           | YCWS/HLS    | COWES                    | VIC          |
| YCRD/ALA    | CURRANDOOLEY            | NSW          | YCWY/ALA    | COOLAWANYAH STN          | WA           |
| YCRE/ALA    | CRESSY                  | VIC          | YCXB/HLS    | COX BIGHT                | TAS          |
| YCRF/ALA    | WESTBURY/CROFTON FARM   | TAS          | YCYC/HLS    | CRYSTAL CASCADES         | QLD          |
| YCRG/AD     | CORRYONG                | VIC          | YCYE/ALA    | COYOTE MINE              | WA           |
| YCRL/ALA    | CROOKWELL               | NSW          | YCYG/ALA    | DAMPIER PENINSULA/CYGNET | WA           |
| YCRM/HLS    | CRADLE MOUNTAIN         | TAS          |             | BAY                      |              |
| YCRN/ALA    | CRANBOURN               | TAS          | YCYH/ALA    | CALWYNYARDAH             | WA           |
| YCRO/HLS    | CROWN TOWERS HELIPORT   | WA           | YCYN/HLS    | COONALPYN                | SA           |
| YCRP/ALA    | CORELLA PARK            | QLD          | YCYR/ALA    | CHARNLEY RIVER           | WA           |
| YCRS/ALA    | CARINA DOWNS            | QLD          | YCYT/ALA    | CRYSTAL BROOK            | QLD          |
| YCRT/ALA    | CARRIETON               | SA           | YCYV/ALA    | CRYSTAL VALE             | QLD          |
| YCRY/ALA    | CROYDON                 | QLD          | YDAG/ALA    | DAGWORTH                 | QLD          |
| YCSA/ALA    | COMPRESSOR STN 3        | WA           | YDAI/HLS    | DAUAN ISLAND             | QLD          |
| YCSB/ALA    | COMPRESSOR STN 5        | WA           | YDAJ/ALA    | DAJARRA                  | QLD          |
| YCSC/ALA    | COMPRESSOR STN 6        | WA           | YDAL/ALA    | DALGONALLY               | QLD          |
| YCSD/ALA    | COMPRESSOR STN 1        | WA           | YDAR/ALA    | DARLINGTON               | TAS          |
| YCSE/ALA    | COMPRESSOR STN 2        | WA           | YDAV/ALA    | DAVIS PLATEAU SKIWAY     | OTH          |
| YCSF/ALA    | COMPRESSOR STN 4        | WA           | YDAY/ALA    | DALBY                    | QLD          |
| YCSI/ALA    | CASSILIS                | QLD          | YDBG/ALA    | DALBEG                   | QLD          |
| YCSK/ALA    | CASEY SKIWAY            | OTH          | YDBI/AD     | DIRRANBANDI              | QLD          |
| YCSL/ALA    | CONSUELO                | QLD          | YDBL/ALA    | DENABLING                | WA           |
| YCSM/ALA    | CROSSMORE               | QLD          | YDBR/ALA    | DUNBAR                   | QLD          |
| YCSP/ALA    | CURTIN SPRINGS          | NT           | YDBY/AD     | DERBY                    | WA           |
| YCST/ALA    | CARCUMA/CARCORY STATION | SA           | YDDF/ALA    | DRUMDUFF STATION         | QLD          |

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|-------------|----------------------|--------------|-------------|-------------------------|--------------|
| YDDI/HLS    | DAY DREAM ISLAND     | QLD          | YDOO/ALA    | DONORS HILL             | QLD          |
| YDDP/ALA    | DUNDEE PARK          | QLD          | YDOP/ALA    | DONNINGTON AIRPARK      | QLD          |
| YDDY/ALA    | DOUGLAS DALY         | NT           | YDOR/ALA    | DORUNDA STATION         | QLD          |
| YDEA/ALA    | BULMAN/DELARA        | NT           | YDOT/ALA    | DOTSWOOD                | QLD          |
| YDEG/ALA    | DELEGATE             | NSW          | YDPD/ALA    | DAVENPORT DOWNS         | QLD          |
| YDEK/ALA    | DENMARK              | WA           | YDPO/AD     | DEVONPORT               | TAS          |
| YDEN/ALA    | DENMAN               | NSW          | YDPT/ALA    | DEPOT OUTCAMP           | WA           |
| YDER/ALA    | DERRINALLUM          | VIC          | YDPW/ALA    | DEEP WELL               | NT           |
| YDEV/ALA    | DEVONCOURT           | QLD          | YDRA/ALA    | DONGARA                 | WA           |
| YDFD/ALA    | DEXFIELD PARK        | NSW          | YDRC/ALA    | DAIRY CREEK HS          | WA           |
| YDGA/AD     | DALGARANGA MINE      | WA           | YDRD/ALA    | DRYSDALE RIVER          | WA           |
| YDGI/ALA    | DULLINGARI           | SA           | YDRE/ALA    | DARR RIVER DOWNS        | QLD          |
| YDGN/ALA    | DOONGAN              | WA           | YDRG/ALA    | DUARINGA                | QLD          |
| YDGR/ALA    | DALGARANGA STN       | WA           | YDRH/ALA    | DURHAM DOWNS            | QLD          |
| YDGT/ALA    | DALGETY DOWNS STN    | WA           | YDRI/ALA    | DURRIE                  | QLD          |
| YDGU/AD     | DEGRUSSA             | WA           | YDRL/ALA    | DE ROSE HILL            | SA           |
| YDGY/ALA    | DE GREY HS           | WA           | YDRN/ALA    | DROUIN                  | VIC          |
| YDHA/HLS    | DHANIYA              | NT           | YDRU/ALA    | THANGOOL/DRUMBURLE      | QLD          |
| YDHD/ALA    | DIRK HARTOG ISLAND   | WA           | YDRV/ALA    | DRY RIVER               | QLD          |
| YDHI/ALA    | DHIPIRRI             | NT           | YDRW/HLS    | DERWENT BRIDGE          | TAS          |
| YDHJ/ALA    | DONYDJI              | NT           | YDSI/ALA    | DAVIS SEA ICE SKIWAY    | OTH          |
| YDHL/ALA    | DHALINYBUY           | NT           | YDSN/HLS    | DAVIS STATION           | OTH          |
| YDHP/ALA    | DHURUPUT/JPI         | NT           | YDSV/ALA    | DORISVALE               | NT           |
| YDIG/ALA    | DIG TREE             | QLD          | YDUG/ALA    | CLARA CREEK/DUNGOWAN    | QLD          |
| YDII/ALA    | DUM IN MIRRIE ISLAND | NT           | YDUK/ALA    | DUKETON                 | WA           |
| YDIM/ALA    | DIMBULAH             | QLD          | YDUM/ALA    | DUMBLEYUNG              | WA           |
| YDIN/ALA    | DINAH ISLAND         | QLD          | YDUN/ALA    | DUNWICH                 | QLD          |
| YDIX/ALA    | DIXIE                | QLD          | YDUP/ALA    | DUPUWARRMIRRI           | NT           |
| YDKG/AD     | DUKETON GOLD         | WA           | YDVC/HLS    | DEVIL CREEK             | WA           |
| YDKH/ALA    | DALKEITH             | QLD          | YDVE/ALA    | DALE RIVER              | WA           |
| YDKI/ALA    | DUNK ISLAND          | QLD          | YDVR/ALA    | DOCKER RIVER            | NT           |
| YDKL/HLS    | DOCKLANDS            | VIC          | YDWF/AD     | DELAMERE RANGE FACILITY | NT           |
| YDLC/ALA    | DULACCA              | QLD          | YDWG/ALA    | DWELLINGUP              | WA           |
| YULD/ALA    | DELMORE DOWNS        | NT           | YDWN/ALA    | MARION DOWNS            | WA           |
| YDLG/ALA    | DOOLOOGARAH          | QLD          | YDWP/ALA    | DEEP WATER POINT        | WA           |
| YDLH/ALA    | DALHOUSIE            | SA           | YDWU/ALA    | DALWALLINU              | WA           |
| YDLK/ALA    | DULKANINNA           | SA           | YDYP/HLS    | DYKE POINT              | NSW          |
| YDLN/ALA    | DRUMLION             | QLD          | YDYS/ALA    | DYSART                  | QLD          |
| YDLO/ALA    | DARLOT               | WA           | YEAB/ALA    | EUABALONG               | NSW          |
| YDLQ/AD     | DENILQUIN            | NSW          | YEAT/HLS    | YEA                     | VIC          |
| YDLR/HLS    | DELORAINIE ISLAND    | QLD          | YEBE/HLS    | WOLEEBEE CREEK          | QLD          |
| YDLT/ALA    | DELTA DOWNS          | QLD          | YEBV/ALA    | ELLENSBROOK VINEYARD    | WA           |
| YDLV/ALA    | DELISSAVILLE         | NT           | YECB/ALA    | ECO BEACH               | WA           |
| YDLW/ALA    | DALY WATERS          | NT           | YECH/AD     | ECHUCA                  | VIC          |
| YDMB/HLS    | DIMBOOLA             | VIC          | YECK/HLS    | EASTERN CREEK           | NSW          |
| YDME/ALA    | MOUNT DIMER          | WA           | YECL/ALA    | EUCLA                   | WA           |
| YDMF/ALA    | DIEMAL FIND          | WA           | YECT/ALA    | EUCLA TOWN              | WA           |
| YDMG/AD     | DOOMADGEE            | QLD          | YECU/HLS    | ECHUNGA                 | SA           |
| YDMN/ALA    | DALY RIVER MISSION   | NT           | YEDA/ALA    | ETADUNNA                | SA           |
| YDMR/ALA    | DELAMERE STN         | NT           | YEDB/ALA    | EDITHBURGH              | SA           |
| YDNB/ALA    | DOONGMABULLA         | QLD          | YEDD/HLS    | EUDUNDA                 | SA           |
| YDNE/ALA    | MUNDINE              | NSW          | YEDE/ALA    | EDENHOPE                | VIC          |
| YDNG/ALA    | DINGADEE             | QLD          | YEDM/ALA    | EDMUND STN              | WA           |
| YDNI/ALA    | DARNLEY ISLAND       | QLD          | YEDW/ALA    | ELEANOR DOWNS           | SA           |
| YDNV/ALA    | DYNEVOR DOWNS        | QLD          | YEEB/ALA    | ENEABBA                 | WA           |
| YDOC/ALA    | DOCHRA               | NSW          | YEES/ALA    | ELDERSLIE               | NSW          |
| YDOD/AD     | DONALD               | VIC          | YEGS/ALA    | ELGIN DOWNS             | QLD          |
| YDON/ALA    | DOWERIN              | WA           | YEHP/HLS    | ERINA HELIPORT          | NSW          |

| CODE     | LOCATION                       | STATE | CODE     | LOCATION                         | STATE |
|----------|--------------------------------|-------|----------|----------------------------------|-------|
| YEII/HLS | EAST INTERCOURSE               | WA    | YEYD/ALA | EVELYN DOWNS                     | SA    |
| YEIN/ALA | EINASLEIGH                     | QLD   | YFAR/ALA | FARNSFIELD                       | QLD   |
| YEJI/AD  | EAST JAURDI                    | WA    | YFBR/ALA | FAIRY BOWER                      | NSW   |
| YELA/ALA | ELLENDALE STN                  | WA    | YFBS/AD  | FORBES                           | NSW   |
| YELD/AD  | ELCHO ISLAND                   | NT    | YFCN/ALA | FORT CONSTANTINE                 | QLD   |
| YELE/ALA | BELELE                         | WA    | YFDF/AD  | FORTESCUE DAVE FORREST           | WA    |
| YELI/ALA | ELLENDALE MINE                 | WA    | YFDN/ALA | FEDERATION                       | NSW   |
| YELK/ALA | ELKEDRA                        | NT    | YFFD/ALA | STIRLING NORTH/FLINDERS<br>FIELD | SA    |
| YELL/ALA | ELLIOTT                        | NT    |          |                                  |       |
| YELM/ALA | ELMORE                         | VIC   | YFGS/ALA | FROGS HOLLOW                     | NSW   |
| YELN/ALA | ELLISTON                       | SA    | YFHA/ALA | FINCH HATTON                     | QLD   |
| YELZ/ALA | ELIZABETH DOWNS STATION        | NT    | YFIG/ALA | IRONGATE/FIG TREE                | QLD   |
| YEMC/ALA | EIGHT MILE CREEK               | WA    | YFIN/HLS | FINUCANE ISLAND                  | WA    |
| YEMG/ALA | EROMANGA                       | QLD   | YFLD/HLS | FACING ISLAND                    | QLD   |
| YEML/AD  | EMERALD                        | QLD   | YFLF/HLS | FLORA REEF                       | QLD   |
| YEMP/ALA | EMU PARK                       | QLD   | YFLI/AD  | FLINDERS ISLAND                  | TAS   |
| YEMU/ALA | EMU SPRINGS                    | NT    | YFLK/HLS | FALLS CREEK                      | VIC   |
| YENO/HLS | ENOGGERA HELIPORT              | QLD   | YFLO/ALA | FLORA VALLEY                     | WA    |
| YEPA/ALA | EPIC ENERGY ONE                | SA    | YFLS/ALA | FLINDERS ISLAND                  | SA    |
| YEPB/ALA | EPIC ENERGY TWO                | SA    | YFLT/ALA | FAIRLIGHT                        | QLD   |
| YEPC/ALA | EPIC ENERGY THREE              | SA    | YFLV/ALA | FLETCHERVIEW                     | QLD   |
| YEPD/ALA | EPIC ENERGY FOUR               | SA    | YFLY/HLS | FLYNN REEF                       | QLD   |
| YEPE/ALA | EPIC ENERGY FIVE               | SA    | YFND/HLS | FLINDERS NAVAL DEPOT             | VIC   |
| YEPL/ALA | EPSILON                        | QLD   | YFNE/ALA | FINKE                            | NT    |
| YEPR/ALA | EPENARRA                       | NT    | YFOR/ALA | FORTNUM                          | WA    |
| YEPT/ALA | EMU POINT                      | NT    | YFOS/ALA | FOSSIL DOWNS STN                 | WA    |
| YEQO/ALA | EL QUESTRO                     | WA    | YFRA/HLS | FRANKLAND ISLAND                 | QLD   |
| YEQY/ALA | ELIZABETH QUAY                 | WA    | YFRD/ALA | FROME DOWNS                      | SA    |
| YERA/ALA | ERRABIDY HS                    | WA    | YFRG/ALA | FREGON                           | SA    |
| YERH/ALA | EARAHEEDY                      | WA    | YFRI/ALA | FRIENDLY BEACHES                 | TAS   |
| YERI/ALA | ERINGOARRAH                    | NSW   | YFRK/ALA | FRANKLAND VALLEY                 | WA    |
| YERL/ALA | ERLDUNDA                       | NT    | YFRS/ALA | FOREST VALE                      | QLD   |
| YERN/ALA | ERNABELLA                      | SA    | YFRT/AD  | FORREST                          | WA    |
| YERO/ALA | ERONG STN                      | WA    | YFRV/ALA | FOREST RIVER MISSION             | WA    |
| YERS/ALA | ERNESTINA PLAINS               | QLD   | YFSA/ALA | FORSAYTH                         | QLD   |
| YERU/ALA | ERUDINA                        | SA    | YFSR/ALA | FISHER                           | NT    |
| YESD/ALA | EIDSVOLD                       | QLD   | YFTA/AD  | FORRESTANIA                      | WA    |
| YESE/ALA | ELROSE                         | QLD   | YFTC/ALA | FORT COOPER                      | QLD   |
| YESH/ALA | EL SHARANA                     | NT    | YFTL/HLS | FREMANTLE HELIPORT               | WA    |
| YESN/ALA | ELLERSTON                      | NSW   | YFTR/HLS | FOSTER                           | VIC   |
| YESP/AD  | ESPERANCE                      | WA    | YFTZ/AD  | FITZROY CROSSING                 | WA    |
| YETT/ALA | NORTH GREGORY/ELLIOTT<br>FIELD | QLD   | YFWV/HLS | FRESHWATER VALLEY                | QLD   |
|          |                                |       | YFWY/ALA | FARAWAY BAY                      | WA    |
| YEUA/ALA | EUROA                          | VIC   | YGAA/ALA | GAWA                             | NT    |
| YEUD/ALA | EUDAMULLA STN                  | WA    | YGAD/HLS | GARDEN ISLAND HELIPORT           | WA    |
| YEUK/ALA | EUROKA SPRINGS                 | QLD   | YGAI/ALA | GARMEDI                          | NT    |
| YEUL/ALA | EURELLA STATION                | QLD   | YGAM/ALA | GAMBOOLA                         | QLD   |
| YEUO/ALA | EULO                           | QLD   | YGAN/ALA | GAN GAN                          | NT    |
| YEVA/ALA | EVA DOWNS                      | NT    | YGAR/ALA | MACLEOD/GNARALOO BAY             | WA    |
| YEVd/ALA | EVANS HEAD                     | NSW   | YGAS/ALA | GATTON AIRPARK                   | QLD   |
| YEVl/HLS | EVANDALE                       | QLD   | YGAW/ALA | GAWLER                           | SA    |
| YEVm/ALA | EVESHAM                        | QLD   | YGAY/AD  | GAYNDAH                          | QLD   |
| YEVp/ALA | EVERARD PARK/MIMILI            | SA    | YGBE/HLS | THE GLEBE                        | TAS   |
| YEVv/ALA | EVA VALLEY                     | NT    | YGBF/ALA | BARWON FIELD                     | VIC   |
| YEWA/AD  | ELIWANA                        | WA    | YGBI/AD  | SOUTH GOULBURN ISLAND            | NT    |
| YEWI/ALA | EAST WALLABI ISLAND            | WA    | YGBK/HLS | GLENBROOK HLS                    | NSW   |
| YEWo/ALA | BREWON                         | NSW   | YGBO/ALA | GABO ISLAND                      | VIC   |
| YEXM/ALA | EXMOUTH                        | WA    | YGBS/ALA | GILBERTON STATION                | QLD   |

| <b>CODE</b> | <b>LOCATION</b>      | <b>STATE</b> | <b>CODE</b> | <b>LOCATION</b>         | <b>STATE</b> |
|-------------|----------------------|--------------|-------------|-------------------------|--------------|
| YGBW/ALA    | GUNBOWER             | VIC          | YGNI/HLS    | GREEN ISLAND (CAIRNS)   | QLD          |
| YGCA/HLS    | GUMERACHA            | SA           | YGNO/ALA    | GOONOO FEEDLOT          | QLD          |
| YGCR/ALA    | GLOUCESTER           | NSW          | YGNR/ALA    | GLENORE                 | QLD          |
| YGDA/AD     | GOODOOGA             | NSW          | YGNV/ALA    | GREENVALE               | QLD          |
| YGDH/AD     | GUNNEDAH             | NSW          | YGNW/AD     | GNOWANGERUP             | WA           |
| YGDI/AD     | GOONDIWINDI          | QLD          | YGOD/HLS    | GOLDFIELDS/LOLOMA       | QLD          |
| YGDL/ALA    | GINDALBIE HS         | WA           | YGOH/HLS    | GOVERNMENT HOUSE (VIC)  | VIC          |
| YGDN/ALA    | GORDON DOWNS         | WA           | YGOM/ALA    | GOOMALLING              | WA           |
| YGDO/ALA    | GUNDAROO             | NSW          | YGON/AD     | MOUNT GORDON            | QLD          |
| YGDR/ALA    | THE GARDEN           | NT           | YGOR/ALA    | GORRIE                  | NT           |
| YGDS/ALA    | GREGORY DOWNS        | QLD          | YGOT/HLS    | MOUNT GORTON            | QLD          |
| YGDV/ALA    | GLADEVALE HS         | QLD          | YGPE/ALA    | GLEN PRARIE             | QLD          |
| YGEE/ALA    | GEEBUNG              | WA           | YGPI/ALA    | GILES PT                | WA           |
| YGEH/HLS    | GEELONG HOSPITAL     | VIC          | YGPT/AD     | GARDEN POINT            | NT           |
| YGEL/AD     | GERALDTON            | WA           | YGRA/HLS    | GARANGULA STN           | NSW          |
| YGEN/HLS    | THE GLEN AIRFIELD    | QLD          | YGRK/ALA    | GARRYAK                 | NT           |
| YGFN/AD     | GRAFTON              | NSW          | YGRL/ALA    | GREAT LAKES AIRFIELD    | VIC          |
| YGGE/AD     | GOLDEN GROVE         | WA           | YGRM/AD     | GRUYERE                 | WA           |
| YGGG/ALA    | GULGONG              | NSW          | YGRN/ALA    | GORDON                  | QLD          |
| YGGI/ALA    | GOOLGOWI             | NSW          | YGRO/ALA    | GORE/ROOAROO            | QLD          |
| YGGJ/ALA    | GLEN GARLAND STATION | QLD          | YGRP/ALA    | GRANITE PEAK            | WA           |
| YGGO/ALA    | GOONOO GOONOO HS     | NSW          | YGRU/ALA    | GLEN RUTH               | QLD          |
| YGGs/ALA    | GREGORY SPRINGS      | QLD          | YGSC/ALA    | GASCOYNE JUNCTION       | WA           |
| YGHP/HLS    | GLENAMPLE HELIPORT   | VIC          | YGSD/ALA    | MUCHEA/GREENSIDE        | WA           |
| YGHS/ALA    | MACLEOD/GNARALOO     | WA           | YGSN/ALA    | MOUNT GIBSON            | WA           |
|             | HOMESTEAD            |              | YGST/HLS    | GRUNDY STREET HELIPAD   | QLD          |
| YGHT/HLS    | GOLD COAST HELITOURS | QLD          | YGTA/ALA    | GARRATHALA              | NT           |
| YGIA/AD     | GINBATA              | WA           | YGTC/ALA    | ANMATJERE/GEMTREE       | NT           |
| YGIB/ALA    | GIBB RIVER           | WA           |             | CARAVAN PARK            |              |
| YGID/ALA    | GIDGEE               | WA           | YGTE/AD     | GROOTE EYLANDT          | NT           |
| YGIF/ALA    | GIFFORD CREEK STN    | WA           | YGTH/AD     | GRIFFITH                | NSW          |
| YGIG/AD     | GINGIN               | WA           | YGTJ/ALA    | GUDJEKBINJ              | NT           |
| YGIL/ALA    | GILGANDRA            | NSW          | YGTL/HLS    | GREAT LAKE              | TAS          |
| YGIR/ALA    | GIRALIA              | WA           | YGTM/HLS    | BUNDOORA/GRASSTREE MINE | QLD          |
| YGIS/HLS    | GISBORNE             | VIC          | YGTN/AD     | GEORGETOWN (QLD)        | QLD          |
| YGKL/ALA    | GREAT KEPPEL ISLAND  | QLD          | YGTO/ALA    | GEORGE TOWN (TAS)       | TAS          |
| YGLA/AD     | GLADSTONE            | QLD          | YGTW/HLS    | GREAT WESTERN           | VIC          |
| YGLB/AD     | GOULBURN             | NSW          | YGUB/ALA    | GUMARRIRNBANG           | NT           |
| YGLC/ALA    | GLENCOE              | NSW          | YGUL/ALA    | GULLEWA                 | WA           |
| YGLD/ALA    | GLENDAMBO            | SA           | YGUM/ALA    | GURRUMURRU              | NT           |
| YGLE/ALA    | GLENGYLE             | QLD          | YGUW/ALA    | GUNNAWARRA              | QLD          |
| YGLH/ALA    | GLEN HELEN           | NT           | YGVE/ALA    | GLENDEVIE               | TAS          |
| YGLI/AD     | GLEN INNES           | NSW          | YGWA/ALA    | GOOLWA                  | SA           |
| YGLK/HLS    | GLENBROOK NPWS       | NSW          | YGWD/ALA    | GALWAY DOWNS            | QLD          |
| YGLM/HLS    | GLENDELL MINE        | NSW          | YGWG/HLS    | GWINGANNA               | QLD          |
| YGLN/ALA    | GLENROY ESTATE       | SA           | YGWN/HLS    | GOODWYN PLATFORM        | WA           |
| YGLO/ALA    | GLENORMISTON         | QLD          | YGYM/ALA    | GYMPIE                  | QLD          |
| YGLP/ALA    | GALLIPOLI            | NT           | YHAA/ALA    | HAASTS BLUFF            | NT           |
| YGLR/ALA    | GLENROY STN          | WA           | YHAB/ALA    | HYDEAWAY BAY            | QLD          |
| YGLS/ALA    | GILES                | WA           | YHAC/ALA    | HAYES CREEK             | NT           |
| YGMG/ALA    | GAMURRUGUYURRU       | NT           | YHAE/ALA    | HARDEN                  | NSW          |
| YGMP/ALA    | GRAMPIANS            | VIC          | YHAG/ALA    | HAIK                    | WA           |
| YGMS/ALA    | GREYMARE/MOUNTAIN    | QLD          | YHAL/ALA    | HALL                    | NSW          |
|             | STATION              |              | YHAR/ALA    | HARRISMITH              | WA           |
| YGMT/ALA    | GREENMOUNT           | QLD          | YHAW/ALA    | HAWKER                  | SA           |
| YGMW/ALA    | GARMARRGAWON         | NT           | YHAY/AD     | HAY                     | NSW          |
| YGNA/ALA    | GRANADA STATION      | QLD          | YHAZ/ALA    | HAZELTON                | QLD          |
| YGNE/ALA    | GNARWARRE            | VIC          | YHBA/AD     | HERVEY BAY              | QLD          |

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|----------|-------------------------|-------|----------|-----------------------|-------|
| YHBD/ALA | HERBERT DOWNS           | QLD   | YHRD/ALA | HUNGERFORD            | QLD   |
| YHBG/HLS | HAMLEY BRIDGE           | SA    | YHRG/ALA | HADDON RIG            | NSW   |
| YHBH/HLS | HEIDELBERG WEST HELIPAD | QLD   | YHRN/HLS | HERON ISLAND          | QLD   |
| YHBK/ALA | HOLBROOK                | NSW   | YHRT/ALA | HARTREE               | QLD   |
| YHBP/ALA | HOME BUSH PARK          | NT    | YHSC/ALA | HARRIS CREEK          | NT    |
| YHBR/ALA | HUMBERT RIVER           | NT    | YHSJ/HLS | HOLT STREET JETTY     | QLD   |
| YHBY/ALA | HENBURY                 | NT    | YHSL/ALA | HORSESHOE LIGHTS MINE | WA    |
| YHCS/ALA | HERBERTVALE CATTLEYARD  | QLD   | YHSM/AD  | HORSHAM               | VIC   |
| YHDD/ALA | HODGSON DOWNS           | NT    | YHSR/HLS | HASTINGS REEF         | QLD   |
| YHDY/ALA | HEADINGLY               | QLD   | YHSV/HLS | HEALESVILLE           | VIC   |
| YHEC/ALA | HECK FIELD              | QLD   | YHTA/ALA | HILTABA               | SA    |
| YHED/HLS | HEDLEY REEF             | QLD   | YHTF/ALA | HUNT FIELD            | SA    |
| YHEG/ALA | HELLS GATE              | QLD   | YHTL/ALA | HEATHLANDS            | QLD   |
| YHEH/HLS | HEXAM                   | NSW   | YHTN/ALA | HERBERTON             | QLD   |
| YHEL/HLS | HELENVALE               | QLD   | YHTR/HLS | HUNTER ISLAND         | TAS   |
| YHER/ALA | HERVEY RANGE            | QLD   | YHTS/ALA | HARTS RANGE           | NT    |
| YHEW/ALA | HEDLOW                  | QLD   | YHUG/AD  | HUGHENDEN             | QLD   |
| YHFD/ALA | HAYFIELD                | NT    | YHVF/ALA | HUTTON VALE FARM      | SA    |
| YHGI/HLS | HOGAN ISLAND            | TAS   | YHYL/ALA | HOYLETON              | SA    |
| YHGN/ALA | HOMESGLEN               | VIC   | YHYN/HLS | HAYMAN ISLAND         | QLD   |
| YHGR/ALA | HUGH RIVER              | NT    | YIBM/HLS | IRONBARK MINE         | QLD   |
| YHGS/ALA | HUGHES SIDING           | SA    | YIBO/AD  | IRON BRIDGE MINE      | WA    |
| YHHL/ALA | HOME HILL               | QLD   | YIDR/ALA | IDRACOWRA STN         | NT    |
| YHHN/HLS | HAHNDORF                | SA    | YIER/HLS | PIER 35 HELIPORT      | VIC   |
| YHHY/ALA | HIGHBURY STATION        | QLD   | YIFF/ALA | IFFLEY HS             | QLD   |
| YHID/AD  | HORN ISLAND             | QLD   | YIFL/AD  | INNISFAIL/MUNDOO      | QLD   |
| YHIL/ALA | HILLSIDE                | WA    | YIFY/ALA | IFFLEY                | QLD   |
| YHIP/HLS | PORT HEDLAND HELIPORT   | WA    | YIGM/ALA | INGHAM                | QLD   |
| YHIV/ALA | HIDDEN VALLEY           | NT    | YIGR/ALA | INGOMAR               | SA    |
| YHKI/ALA | HICKS IS                | QLD   | YIKL/ALA | BAIKAL                | NT    |
| YHKT/ALA | HUCKITTA                | NT    | YIKM/ALA | INKERMAN STATION      | QLD   |
| YHLB/HLS | HENLEY BROOK            | WA    | YILA/ALA | BROWN BROTHERS        | VIC   |
| YHLC/AD  | HALLS CREEK             | WA    | YILF/ALA | ILFRACOMBE            | QLD   |
| YHLD/ALA | HILLSIDE                | QLD   | YILK/ALA | ILKURLKA              | WA    |
| YHLF/ALA | HIGHLAND FARM           | NSW   | YILW/ALA | INGLEWOOD             | QLD   |
| YHLM/ALA | HILLMAN FARM            | WA    | YIMB/AD  | KIMBA                 | SA    |
| YHLN/ALA | HELEN SPRINGS           | NT    | YIMP/ALA | IMPADNA               | NT    |
| YHLS/ALA | HILLSTON                | NSW   | YIMT/ALA | INNAMINCKA TOWNSHIP   | SA    |
| YHLW/ALA | HOLLYWELL               | QLD   | YIMY/ALA | IMOoya                | QLD   |
| YHMB/ALA | HERMANNSBURG            | NT    | YING/ALA | INGELARA              | QLD   |
| YHMH/HLS | HILLARYS MARINA HELIPAD | WA    | YINJ/ALA | INJUNE                | QLD   |
| YHML/AD  | HAMILTON                | VIC   | YINN/ALA | INNAMINCKA            | SA    |
| YHMT/ALA | HAMILTON                | SA    | YINO/ALA | INVERELL NORTH        | NSW   |
| YHMY/ALA | HAMERSLEY               | WA    | YINT/HLS | INTEGRA COAL          | NSW   |
| YHOA/ALA | HOWARD ISLAND           | NT    | YINV/ALA | INVERLEIGH            | QLD   |
| YHOL/ALA | HOLROYD                 | QLD   | YINW/ALA | INVERWAY              | NT    |
| YHON/ALA | HONEYMOON               | SA    | YISD/ALA | ISIS DOWNS            | QLD   |
| YHOO/ALA | HOOKER CREEK            | NT    | YISF/ALA | ISISFORD              | QLD   |
| YHOT/AD  | MOUNT HOTHAM            | VIC   | YITT/ALA | MITTA MITTA           | VIC   |
| YHOV/ALA | HODGSON RIVER           | NT    | YIVA/ALA | IVANHOE STN           | WA    |
| YHOW/HLS | HOWEY REEF              | QLD   | YIVE/ALA | INVERLOCH             | VIC   |
| YHOY/ALA | HOLLINS BAY             | QLD   | YIVG/ALA | IVERAGH               | QLD   |
| YHPB/HLS | HAPPY BAY               | QLD   | YIVL/AD  | INVERELL              | NSW   |
| YHPG/HLS | HMAS PENGUIN            | NSW   | YIVO/AD  | IVANHOE               | NSW   |
| YHPN/AD  | HOPETOUN                | VIC   | YJAB/AD  | JABIRU                | NT    |
| YHPT/HLS | HAY POINT               | QLD   | YJAC/AD  | JACINTH AMBROSIA      | SA    |
| YHPV/ALA | HOPEVALE                | QLD   | YJAF/HLS | JAKES FARM            | QLD   |
| YHPY/ALA | HAPPY VALLEY            | QLD   | YJAM/ALA | JAMESON               | WA    |

| CODE     | LOCATION              | STATE | CODE     | LOCATION                | STATE |
|----------|-----------------------|-------|----------|-------------------------|-------|
| YJBO/ALA | JDANDBOO FIELD        | VIC   | YKEN/ALA | KENMORE PARK/YUNYARINYI | SA    |
| YJBR/ALA | JIMBOUR               | QLD   | YKEP/ALA | LAKE KEEPIT             | NSW   |
| YJBY/AD  | JERVIS BAY            | NSW   | YKER/AD  | KERANG                  | VIC   |
| YJCO/ALA | JERICHO (TAS)         | TAS   | YKEY/ALA | KEYTAH                  | NSW   |
| YJDA/ALA | JUNDAH                | QLD   | YKFS/ALA | KINDRA FALLS            | NSW   |
| YJDL/ALA | JINDALEE              | NSW   | YKGA/ALA | KINGOONYA               | SA    |
| YJED/ALA | JEDBURGH              | QLD   | YKGU/ALA | KAGARU                  | QLD   |
| YJER/ALA | JERILDERIE            | NSW   | YKHA/ALA | KHANCOBAN               | NSW   |
| YJEY/ALA | JEEDAMYA              | WA    | YKHO/HLS | KHOLO HELIPAD           | QLD   |
| YJGP/ALA | JERRAMUNGUP           | WA    | YKIA/ALA | KIANA STN               | NT    |
| YJIB/ALA | JIBALBAL              | NT    | YKIB/ALA | KIMBOLTON               | WA    |
| YJIG/ALA | JIGGALONG MISSION     | WA    | YKIC/ALA | KIWIRRKURRA             | WA    |
| YJIN/ALA | JINDABYNE             | NSW   | YKID/ALA | KIDSTON                 | QLD   |
| YJIP/ALA | JINGALUP              | WA    | YKIG/ALA | KINGSTON                | SA    |
| YJIR/ALA | JIMARDA               | NT    | YKIH/ALA | KIHEE HS                | QLD   |
| YJLC/AD  | JULIA CREEK           | QLD   | YKII/AD  | KING ISLAND             | TAS   |
| YJMO/HLS | JACK MANN OVAL        | WA    | YKIL/ALA | KILDURK STN             | NT    |
| YJNT/ALA | JANET DOWNS           | QLD   | YKIR/ALA | KIRKIMBIE STN           | NT    |
| YJNY/ALA | JONROY                | QLD   | YKIS/HLS | KANGAROO ISLAND         | SA    |
| YJOH/ALA | JOHNSON AIRSTRIP      | SA    | YKIU/ALA | KAIUROO                 | QLD   |
| YJOS/HLS | JOSEPHINE FALLS       | QLD   | YKJN/ALA | KING JUNCTION           | QLD   |
| YJRK/ALA | JARRA CREEK           | QLD   | YKKG/AD  | KALKGURUNG              | NT    |
| YJRO/ALA | JERICHO (QLD)         | QLD   | YKKH/ALA | KOKATHA                 | SA    |
| YJRX/ALA | JINDALEE RECEIVER     | WA    | YKKN/ALA | KIN KIN RETREAT         | WA    |
| YJST/ALA | JAMESTOWN             | SA    | YKLA/ALA | KOOLATAH                | QLD   |
| YJTX/ALA | JINDALEE TRANSMITTER  | WA    | YKLB/ALA | KOOLBURRA               | QLD   |
| YJUK/ALA | TJUKURLA              | WA    | YKLC/AD  | KOOLAN ISLAND/KOOLAN    | WA    |
| YJUN/AD  | JUNDEE                | WA    |          | CENTRAL                 |       |
| YJUR/ALA | JURIEN BAY            | WA    | YKLE/ALA | KILLARNEY               | NT    |
| YKAB/ALA | KING ASH BAY          | NT    | YKLG/ALA | KALINGA                 | QLD   |
| YKAE/ALA | KALANNIE              | WA    | YKLL/ALA | KALLALA                 | QLD   |
| YKAI/HLS | KAHLPAHLIM ROCK       | QLD   | YKLN/ALA | KILLARNEY STN           | QLD   |
| YKAJ/ALA | KAJABBI               | QLD   | YKLR/ALA | KALAMURINA              | SA    |
| YKAL/ALA | KALUMBURU             | WA    | YKLS/ALA | KAILIS                  | WA    |
| YKAM/HLS | KIAMA HARBOUR HELIPAD | NSW   | YKMB/AD  | KARUMBA                 | QLD   |
| YKAN/ALA | KANANDAH              | WA    | YKML/ALA | KAMILEROI               | QLD   |
| YKAP/ALA | KAPUNDA               | SA    | YKMP/AD  | KEMPSEY                 | NSW   |
| YKAR/AD  | KARARA                | WA    | YKND/ALA | KINDAMINDI              | NSW   |
| YKBA/AD  | KENS BORE             | WA    | YKNG/AD  | KATANNING               | WA    |
| YKBG/AD  | KOOLYANOBBING RANGE   | WA    | YKNH/HLS | KILMORE                 | VIC   |
| YKBL/AD  | KAMBALDA              | WA    | YKNM/ALA | KOONMARRA               | WA    |
| YKBN/ALA | KOORALBYN             | QLD   | YKNP/ALA | KUNUNOPPIN              | WA    |
| YKBO/ALA | KYBO STN              | WA    | YKNT/ALA | KINTORE                 | NT    |
| YKBR/AD  | KALBARRI              | WA    | YKNV/ALA | KANIVA                  | VIC   |
| YKBS/ALA | KIMBERLEY DOWNS STN   | WA    | YKOA/ALA | KOARLO                  | QLD   |
| YKBT/ALA | KALABITY STATION      | SA    | YKOI/HLS | KOROIT                  | VIC   |
| YKBY/AD  | STREAKY BAY           | SA    | YKOJ/ALA | KOJONUP                 | WA    |
| YKCA/ALA | KINGS CANYON          | NT    | YKOK/ALA | KOOKYNIE                | WA    |
| YKCH/ALA | KITCHENER             | WA    | YKOL/ALA | KOLENDO                 | SA    |
| YKCK/ALA | KILLIECRANKIE         | TAS   | YKOO/ALA | KOOLAMA BAY             | WA    |
| YKCS/ALA | KINGS CREEK STN       | NT    | YKOW/AD  | KOWANYAMA               | QLD   |
| YKCY/ALA | KILCOY                | QLD   | YKPR/ALA | KALPOWAR                | QLD   |
| YKDA/ALA | KNAPDALE              | QLD   | YKRE/ALA | KARONIE                 | WA    |
| YKDD/AD  | GUDAI-DARRI MINE      | WA    | YKRI/ALA | KURI BAY                | WA    |
| YKDI/ALA | KADINA                | SA    | YKRJ/ALA | KARUNJIE                | WA    |
| YKDM/ALA | KIDMAN SPRINGS        | NT    | YKRK/ALA | KIRKALOCKA              | WA    |
| YKDN/ALA | KONDININ              | WA    | YKRL/ALA | KEEROONGOOLOO           | QLD   |
| YKEB/ALA | KELLERBERRIN          | WA    | YKRU/ALA | MALLOWA/KRUI            | NSW   |

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|-------------|---------------------------|--------------|-------------|------------------------------------|--------------|
| YKRV/ALA    | KENDALL RIVER             | QLD          | YLGL/ALA    | LAGLAN                             | QLD          |
| YKRW/ALA    | KIERAWONGA                | QLD          | YLGN/ALA    | LOONGANA                           | WA           |
| YKRY/AD     | KINGAROY                  | QLD          | YLGs/HLS    | LARGS BAY                          | SA           |
| YKSC/AD     | KINGSCOTE/KANGAROO ISLAND | SA           | YLGU/ALA    | LEGUNE STN                         | NT           |
| YKSI/ALA    | KESWICK ISLAND            | QLD          | YLHI/AD     | LORD HOWE ISLAND                   | NSW          |
| YKST/HLS    | KENNETTS STRIP            | NSW          | YLHO/HLS    | LEMINGTON/HUNTER VALLEY OPERATIONS | NSW          |
| YKTH/ALA    | KEITH                     | SA           | YLHR/AD     | LOCKHART RIVER                     | QLD          |
| YKTN/ALA    | KYNETON (VIC)             | VIC          | YLHS/ALA    | LYNDHURST STN                      | QLD          |
| YKUA/ALA    | KULALI                    | QLD          | YLIB/HLS    | FSO LIBERDADE                      | WA           |
| YKUB/ALA    | KUBIN                     | QLD          | YLID/HLS    | LIDDELL COAL                       | NSW          |
| YKUD/HLS    | KURANDA                   | QLD          | YLII/HLS    | LISMORE HOSPITAL                   | NSW          |
| YKUK/ALA    | KUKERIN AIRSTRIP          | WA           | YLIL/ALA    | LILYDALE                           | VIC          |
| YKUL/ALA    | KULGERA ROADHOUSE         | NT           | YLIM/ALA    | LIMBUNYA STN                       | NT           |
| YKUM/HLS    | KUMBARILLA/RUBY JO        | QLD          | YLIN/ALA    | LINDEMAN ISLAND                    | QLD          |
| YKUR/ALA    | KURUNDI STN               | NT           | YLIO/HLS    | LIDDELL OPEN CUT MINE              | NSW          |
| YKVA/ALA    | KINGVALE STATION          | QLD          | YLIS/AD     | LISMORE                            | NSW          |
| YKWA/AD     | KARLAWINDA MINE           | WA           | YLIT/ALA    | LITCHFIELD STN                     | NT           |
| YKWG/ALA    | KANGAROO WELL             | SA           | YLIV/ALA    | LIVERINGA                          | WA           |
| YKYE/ALA    | KYNETON (QLD)             | QLD          | YLJN/ALA    | LAKE JOHNSTON                      | WA           |
| YKYN/ALA    | KYNUNA                    | QLD          | YLKD/ALA    | LUCKY DOWNS                        | QLD          |
| YKYR/ALA    | KYABRA                    | QLD          | YLKE/ALA    | LAKES ENTRANCE                     | VIC          |
| YKYT/HLS    | KEYNETON                  | SA           | YLKN/ALA    | LAKE NASH                          | NT           |
| YKYW/ALA    | KYWONG                    | QLD          | YLKS/ALA    | THE LAKES                          | NSW          |
| YLAB/ALA    | LANDSBOROUGH              | QLD          | YLLA/ALA    | MOBELLA                            | SA           |
| YLAE/ALA    | LABELLE DOWNS             | NT           | YLLC/ALA    | LILLA CREEK                        | NT           |
| YLAG/ALA    | LAGOON BAY                | TAS          | YLLE/AD     | BALLERA                            | QLD          |
| YLAH/ALA    | LAWN HILL                 | QLD          | YLLT/ALA    | LOWER LIGHT                        | SA           |
| YLAK/ALA    | LAKESIDE AIRPARK          | QLD          | YLMA/ALA    | BALMA                              | NT           |
| YLAM/ALA    | LAMBINA                   | SA           | YLMJ/ALA    | LADY MUSGRAVE ISLAND               | QLD          |
| YLAN/ALA    | LANGAWIRRA                | NSW          | YLMQ/ALA    | LAKE MACQUARIE AIRPORT             | NSW          |
| YLAO/ALA    | LAMEROO                   | SA           | YLMU/ALA    | MUNGO LODGE                        | NSW          |
| YLAP/ALA    | LAPUNYAH                  | QLD          | YLND/ALA    | LAKELAND DOWNS                     | QLD          |
| YLAW/ALA    | LAWLERS                   | WA           | YLNG/HLS    | PRELUDE FLNG                       | WA           |
| YLBA/ALA    | BELYANDO/LABONA           | QLD          | YLNr/ALA    | LANDOR RACES                       | WA           |
| YLBd/AD     | DJARINDJIN/LOMBADINA      | WA           | YLOC/ALA    | LOCHINVAR                          | WA           |
| YLBG/ALA    | MOUNT LIEBIG              | NT           | YLOD/ALA    | LONGWOOD                           | VIC          |
| YLCG/AD     | LAKE CARGELLIGO           | NSW          | YLOH/ALA    | LOUTH                              | NSW          |
| YLCS/ALA    | LOCKSLEY FIELD            | VIC          | YLOK/ALA    | LOCK                               | SA           |
| YLDB/ALA    | LADY BARRON               | TAS          | YLOO/ALA    | WYLOO STATION                      | WA           |
| YLDC/ALA    | LANDERS CREEK             | QLD          | YLOR/ALA    | LORRAINE                           | QLD          |
| YLDL/ALA    | LISSADELL                 | WA           | YLOU/ALA    | LOUISA DOWNS                       | WA           |
| YLDO/ALA    | LANDOR STN                | WA           | YLOV/ALA    | LOTUS VALE STN                     | QLD          |
| YLDS/ALA    | LINDA DOWNS STATION       | QLD          | YLOW/HLS    | LOWENDAL ISLAND                    | WA           |
| YLEA/ALA    | LEEMAN                    | WA           | YLOX/ALA    | LOXTON                             | SA           |
| YLEC/AD     | LEIGH CREEK               | SA           | YLPD/ALA    | LEOPOLD DOWNS                      | WA           |
| YLED/ALA    | LETHBRIDGE AIRPORT        | VIC          | YLPE/HLS    | LEPPINGTON PASTORAL EAST           | NSW          |
| YLEE/ALA    | LEETON                    | NSW          | YLPW/HLS    | LEPPINGTON PASTORAL WEST           | NSW          |
| YLEG/ALA    | LEONGATHA                 | VIC          | YLRA/ALA    | LAURA                              | QLD          |
| YLEM/ALA    | LEMONT                    | TAS          | YLRD/AD     | LIGHTNING RIDGE                    | NSW          |
| YLEO/AD     | LEONORA                   | WA           | YLRE/AD     | LONGREACH                          | QLD          |
| YLET/HLS    | LAKES ENTRANCE            | VIC          | YLRG/ALA    | LORNA GLEN HS                      | WA           |
| YLEV/AD     | LAKE EVELLA               | NT           | YLRS/ALA    | NEW LAURA                          | QLD          |
| YLFd/ALA    | LAKEFIELD                 | QLD          | YLRV/ALA    | LITTLE RIVER                       | VIC          |
| YLGB/ALA    | LA GRANGE BAY             | WA           | YLSB/HLS    | LIFE SAVER BASE/SYDNEY             | NSW          |
| YLGc/ALA    | LAKE GRACE                | WA           | YLSK/ALA    | LUSKINTYRE                         | NSW          |
| YLGd/ALA    | LONGDOWN                  | TAS          | YLST/AD     | LEINSTER                           | WA           |
| YLGH/ALA    | LANGHORNE                 | SA           | YLSY/ALA    | MOUNT LINDSAY/WATARRU              | SA           |

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|----------|---------------------------|-------|----------|---------------------------|-------|
| YLTN/AD  | LAVERTON                  | WA    | YMCS/ALA | MACROSSAN                 | QLD   |
| YLTT/ALA | LADY ELLIOT ISLAND        | QLD   | YMCT/ALA | MILLCENT                  | SA    |
| YLTV/AD  | LATROBE VALLEY            | VIC   | YMCW/ALA | MOROCCO WEST              | WA    |
| YLUC/ALA | LUCY CREEK                | NT    | YMCY/HLS | MICHAELMAS CAY            | QLD   |
| YLUI/ALA | LUCINDALE                 | SA    | YMDA/ALA | MUNDUBBERA                | QLD   |
| YLUL/ALA | MOOLELULOOLOO             | SA    | YMDB/ALA | MUNDABULLANGANA           | WA    |
| YLUM/HLS | LUMLEY HILL               | QLD   | YMDD/ALA | MUNDOWDNA                 | SA    |
| YLUN/ALA | LAURINEL                  | QLD   | YMDE/ALA | MOUNT DORE                | QLD   |
| YLUW/ALA | LEEUEWIN ESTATE           | WA    | YMDG/AD  | MUDGE                     | NSW   |
| YLVA/ALA | LILLYVALE                 | QLD   | YMDK/ALA | MOUNT RIDDOCK STN         | NT    |
| YLV/AD   | LAKE EVERARD              | SA    | YMDN/ALA | MERREDIN                  | WA    |
| YLVK/HLS | LAVARACK                  | QLD   | YMDO/ALA | MADOWLA PARK              | VIC   |
| YLWB/ALA | LOCKYER WATERS/BREEFIELD  | QLD   | YMDP/ALA | MOONDAH PARK              | QLD   |
| YLWY/ALA | LAKE WAY                  | WA    | YMDR/ALA | MINDEROO                  | WA    |
| YLYD/ALA | LYNDLEY                   | QLD   | YMDS/ALA | MACDONALD DOWNS           | NT    |
| YLYK/ALA | LYNDCH                    | SA    | YMDT/ALA | MUNDRABILLA MOTEL         | WA    |
| YLYN/ALA | LYNDON STN                | WA    | YMDV/ALA | MOUNT DAVIES/PIPALYATJARA | SA    |
| YLZI/ALA | LIZARD ISLAND             | QLD   | YMDW/ALA | MAITLAND DOWNS (QLD)      | QLD   |
| YMAA/ALA | MABUIAG ISLAND            | QLD   | YMDX/ALA | MELINDA DOWNS             | QLD   |
| YMAC/ALA | MACUMBA                   | SA    | YMDY/ALA | MOUNT BUNDEY              | NT    |
| YMAD/ALA | MADURA                    | WA    | YMDZ/ALA | MARDI STN                 | WA    |
| YMAE/ALA | MURRAY/MER ISLAND         | QLD   | YMEA/ALA | MEANDER LAKES             | TAS   |
| YMAI/ALA | MANGURI                   | SA    | YMEB/ALA | MOUNT EBA                 | SA    |
| YMAJ/ALA | MARIGALDBAN               | NT    | YMED/ALA | MENINDEE                  | NSW   |
| YMAK/ALA | MABEL CREEK STN           | SA    | YMEE/ALA | MERLIN MINE               | NT    |
| YMAM/HLS | MONA MONA                 | QLD   | YMEG/ALA | MENINGIE                  | SA    |
| YMAO/HLS | MAWSON STATION            | OTH   | YMEI/ALA | MEREENIE                  | NT    |
| YMAP/ALA | MARPURU                   | NT    | YMEK/AD  | MEEKATHARRA               | WA    |
| YMAR/ALA | MATARANKA TOWNSHIP        | NT    | YMEL/ALA | MELTON                    | VIC   |
| YMAS/ALA | MANILLA STATION           | NSW   | YMEM/ALA | MEMOOLLOO                 | QLD   |
| YMAT/HLS | MATER HOSPITAL (BRISBANE) | QLD   | YMEN/AD  | MELBOURNE/ESSENDON        | VIC   |
| YMAU/ALA | MOUNT AUGUSTUS            | WA    | YMER/AD  | MERIMBULA                 | NSW   |
| YMAV/AD  | AVALON                    | VIC   | YMES/AD  | EAST SALE                 | VIC   |
| YMAX/ALA | MANBULLO                  | NT    | YMET/ALA | MELVILLE WATER AERODROME  | WA    |
| YMAY/AD  | ALBURY                    | NSW   | YMEU/ALA | MERLUNA                   | QLD   |
| YMBA/AD  | MAREEBA                   | QLD   | YMEW/ALA | MINGENEW                  | WA    |
| YMBB/HLS | MOUNT BAW BAW             | VIC   | YMEZ/HLS | MOUNT ELIZA               | VIC   |
| YMBD/ALA | MURRAY BRIDGE             | SA    | YMFA/ALA | AUBURNVALE                | QLD   |
| YMBE/ALA | MOOLIABEENIE              | WA    | YMGD/ALA | MANSFIELD                 | VIC   |
| YMBF/HLS | MILLERS BLUFF             | TAS   | YMG/AD   | MILINGIMBI                | NT    |
| YMBG/HLS | MARLBOROUGH               | QLD   | YMGD/AD  | MANINGRIDA                | NT    |
| YMBL/AD  | MARBLE BAR                | WA    | YMGE/ALA | MUDGEEGARDAART            | NT    |
| YMBN/ALA | MOUNT BUNDEY MINE         | NT    | YMGG/ALA | MULGATHING                | SA    |
| YMBO/ALA | MARMBOO                   | QLD   | YMG/ALA  | MUNGINDI                  | NSW   |
| YMBP/ALA | MEMBINUP                  | WA    | YMGJ/ALA | MIRRRNGATJA               | NT    |
| YMBR/ALA | MATHESON BORE             | SA    | YMG/ALA  | MAGGIEVILLE               | QLD   |
| YMBT/ALA | MOUNT BEAUTY              | VIC   | YMG/ALA  | MOUNT GUNSON              | SA    |
| YMBU/ALA | MARYBOROUGH (VIC)         | VIC   | YMG/ALA  | MURGOO STN                | WA    |
| YMBX/ALA | MUNDRABILLA HS            | WA    | YMG/ALA  | MARGARET RIVER            | WA    |
| YMBZ/ALA | MOUNT EBENEZER            | NT    | YMGV/ALA | MUSGRAVE ROADHOUSE        | QLD   |
| YMCE/ALA | MOUNT CLERE HS            | WA    | YMGW/HLS | MOUNT AGNEW               | TAS   |
| YMCF/ALA | MCCAFFREY FIELD           | QLD   | YMH/AD   | HOBART                    | TAS   |
| YMC/ALA  | MAGNETIC ISLAND           | QLD   | YMH/ALA  | MOUNT HALE                | WA    |
| YMCK/ALA | MCKINLAY                  | QLD   | YMH/AD   | MOUNT HOLLAND             | WA    |
| YMCL/ALA | MOUNT COOLON              | QLD   | YMH/HLS  | MOUNT HOTHAM              | VIC   |
| YMCM/HLS | MANGOOAL COAL MINE        | NSW   | YMH/ALA  | MOUNT HOUSE               | WA    |
| YMC/AD   | MALLACOOTA                | VIC   | YMH/ALA  | MOUNT HART STN            | WA    |
| YMC/ALA  | MANNERS CREEK STN         | NT    | YMH/AD   | MCARTHUR RIVER MINE       | NT    |



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|-------------|-------------------------|--------------|-------------|------------------------|--------------|
| YMHW/ALA    | MOUNT HOWITT            | QLD          | YMNK/ALA    | MONKIRA                | QLD          |
| YMHX/HLS    | MOUNT MCCUTCHEON        | TAS          | YMNL/ALA    | MURGANELLA             | NT           |
| YMIA/AD     | MILDURA                 | VIC          | YMNN/ALA    | MOUNT DENISON          | NT           |
| YMID/ALA    | MIDDLE CAY              | QLD          | YMNO/ALA    | MANEROO                | QLD          |
| YMIE/HLS    | MILNE REEF              | QLD          | YMNPF/ALA   | MURNPEOWIE             | SA           |
| YMIG/ALA    | MITTAGONG               | NSW          | YMNS/ALA    | MOUNT SWAN             | NT           |
| YMIK/ALA    | MILLERS CREEK           | SA           | YMNT/ALA    | MORNINGTON STN         | WA           |
| YMIN/ALA    | MINLATON                | SA           | YMNU/ALA    | MAINORU                | NT           |
| YMIO/ALA    | MILL IRON               | QLD          | YMNX/ALA    | MINARA                 | WA           |
| YMIP/ALA    | MITCHELL PLATEAU        | WA           | YMNY/ALA    | MORNEY                 | QLD          |
| YMIR/ALA    | MIRANDA DOWNS           | QLD          | YMOA/ALA    | MAGOWRA                | QLD          |
| YMIS/ALA    | MILLROSE HS             | WA           | YMOD/ALA    | MODEWARRE              | VIC          |
| YMIT/ALA    | MITCHELL                | QLD          | YMOE/ALA    | MOONAREE               | SA           |
| YMIU/ALA    | MILDURA STN             | QLD          | YMOF/ALA    | MALAKOFF               | QLD          |
| YMIV/ALA    | MOUNT IVE               | SA           | YMOG/AD     | MOUNT MAGNET           | WA           |
| YMIX/ALA    | MIDDALYA HS             | WA           | YMOH/HLS    | MOUNT COOT-THA         | QLD          |
| YMJD/ALA    | MILLAJIDDEE             | WA           | YMON/HLS    | MONEGEETA              | VIC          |
| YMJE/ALA    | MOUNT JAMES             | WA           | YMOO/ALA    | MOORABERREE            | QLD          |
| YMIJ/ALA    | MURRANJ BORE            | NT           | YMOR/AD     | MOREE                  | NSW          |
| YMJM/AD     | MANJIMUP                | WA           | YMOT/ALA    | MORETON                | QLD          |
| YMJR/HLS    | MAJURA TRAINING AREA    | ACT          | YMOU/ALA    | MOURA                  | QLD          |
| YMKB/ALA    | MUKINBUDIN              | WA           | YMOX/ALA    | MOXEY FARMS            | NSW          |
| YMKC/ALA    | MISTAKE CREEK           | NT           | YMOY/ALA    | MOYEN STN              | QLD          |
| YMKH/HLS    | MACKAY HARBOUR          | QLD          | YMPA/ALA    | MINNIPA                | SA           |
| YMKT/ALA    | EMKAYTEE                | NT           | YMPD/AD     | POINT COOK             | VIC          |
| YMKV/ALA    | MIKINJ VALLEY           | NT           | YMPE/ALA    | MOUNT COOPER           | QLD          |
| YMKY/HLS    | MOUNT MACKAY            | QLD          | YMPH/ALA    | MERAPAH HOMESTEAD      | QLD          |
| YMLA/ALA    | MALINA                  | WA           | Ympl/ALA    | MAWSON PLATEAU SKIWAY  | OTH          |
| YMLD/ALA    | MAITLAND (SA)           | SA           | YMPN/ALA    | MAPOON                 | QLD          |
| YMLE/ALA    | MARYVALE                | QLD          | YMPY/ALA    | MOUNT PERRY            | QLD          |
| YMLI/ALA    | MEERAGOOLIA             | WA           | YMQA/ALA    | MARQUA                 | NT           |
| YMLK/ALA    | MINNAMOOKKA             | QLD          | YMQI/HLS    | MACQUARIE ISLAND       | OTH          |
| YMLL/ALA    | MILLUNGERA              | QLD          | YMRA/ALA    | MARALINGA              | SA           |
| YMLN/ALA    | MONOLON                 | NSW          | YMRB/AD     | MORANBAH               | QLD          |
| YMLQ/ALA    | MILLAROO                | QLD          | YMRD/ALA    | MARDA                  | WA           |
| YMLR/ALA    | MULOORINA               | SA           | YMRE/ALA    | MARREE                 | SA           |
| YMLS/AD     | MILES                   | QLD          | YMRG/ALA    | MURGON                 | QLD          |
| YMLT/AD     | LAUNCESTON              | TAS          | YMRI/ALA    | MARIAN                 | QLD          |
| YMLV/ALA    | MOYLE RIVER             | NT           | YMRK/ALA    | MARBLE CREEK           | QLD          |
| YMLX/ALA    | MILURIE HS              | WA           | YMLR/ALA    | MARLGAWO               | NT           |
| YMMA/ALA    | MAMADAWERRE             | NT           | YMRN/ALA    | MARLWAN                | NT           |
| YMMB/AD     | MELBOURNE/MOORABBIN     | VIC          | YMRQ/ALA    | MOORA                  | WA           |
| YMMD/ALA    | DIXALEA/MCMMASTER FIELD | QLD          | YMRP/HLS    | MOORE REEF             | QLD          |
| YMMG/ALA    | MERRINONG STATION       | NSW          | YMRU/ALA    | MOUNT GARNET           | QLD          |
| YMMH/ALA    | MOUNT MULGRAVE HS       | QLD          | YMRW/AD     | MORAWA                 | WA           |
| YMMI/AD     | MURRIN MURRIN           | WA           | YMRX/ALA    | MARONAH                | WA           |
| YMML/AD     | MELBOURNE               | VIC          | YMRZ/AD     | MORUYA                 | NSW          |
| YMMN/ALA    | MILLMERRAN              | QLD          | YMSA/ALA    | MORSTONE DOWNS STATION | QLD          |
| YMMO/ALA    | MOAMA                   | NSW          | YMSF/ALA    | MOUNT SANFORD STATION  | NT           |
| YMMR/ALA    | MANDEMAR                | NSW          | YMSI/ALA    | MARSON SEA ICE SKIWAY  | OTH          |
| YMMT/ALA    | MOUNT MARGARET STN      | QLD          | YMSN/ALA    | MOURROUBA STATION      | WA           |
| YMMU/ALA    | MIDDLEMOUNT             | QLD          | YMSQ/ALA    | MOUNT SURPRISE         | QLD          |
| YMMY/ALA    | MANMOYI                 | NT           | YMSR/ALA    | MOUNT SIRCOM           | QLD          |
| YMNA/ALA    | MOUNT ALLAN             | NT           | YMSU/ALA    | MURCHISON SHIRE        | WA           |
| YMND/AD     | MAITLAND (NSW)          | NSW          | YMSV/ALA    | MILLSTREAM             | WA           |
| YMNE/AD     | MOUNT KEITH             | WA           | YMSW/ALA    | MOUNT STUART           | WA           |
| YMNF/ALA    | MANFRED                 | WA           | YMSX/ALA    | MOORONGGA ISLAND       | NT           |
| YMNG/AD     | MANGALORE               | VIC          | YMSY/HLS    | MAATSUYKER             | TAS          |

| CODE     | LOCATION                | STATE | CODE     | LOCATION              | STATE |
|----------|-------------------------|-------|----------|-----------------------|-------|
| YMTA/ALA | MITTIEBAH               | NT    | YNAL/ALA | NALIYINDI             | NT    |
| YMTB/ALA | MUTTABURRA              | QLD   | YNAN/ALA | NANANGO               | QLD   |
| YMTC/ALA | MOUNT CLARENCE          | SA    | YNAP/ALA | NAPPA MERRIE          | QLD   |
| YMTG/AD  | MOUNT GAMBIER           | SA    | YNAR/AD  | NARRANDERA            | NSW   |
| YMTH/HLS | MOUNT MARTHA            | VIC   | YNAT/ALA | NATHAN RIVER STN      | NT    |
| YMTI/AD  | MORNINGTON ISLAND       | QLD   | YNAU/ALA | NANNUP                | WA    |
| YMTJ/ALA | MONTEJINNI              | NT    | YNBA/HLS | NUBEENA               | TAS   |
| YMTM/ALA | MATA MATA               | NT    | YNBH/ALA | NOONBAH               | QLD   |
| YMTN/ALA | MOURA NORTH             | QLD   | YNBO/ALA | NEBO                  | QLD   |
| YMTO/ALA | MONTO                   | QLD   | YNBR/AD  | NARRABRI              | NSW   |
| YMTS/ALA | MOUNT SHORT             | WA    | YNBS/ALA | NORTH BUNDY STATION   | NSW   |
| YMTU/ALA | MOONIE/TUNGAMAH STATION | QLD   | YNBY/ALA | KNOCKER BAY           | NT    |
| YMTW/ALA | MARTINS WELL            | SA    | YNCD/ALA | NOCCUNDRA             | QLD   |
| YMTX/ALA | MOUNT DARE STN          | SA    | YNCS/ALA | NEW CROWN STN         | NT    |
| YMTZ/ALA | MOUNT ELIZABETH         | WA    | YNCW/ALA | NEWCASTLE WATERS      | NT    |
| YMU/ALA  | MONDURAN                | QLD   | YNDG/ALA | NEWDEGATE             | WA    |
| YMUB/ALA | MANUMBAR                | QLD   | YNDS/ALA | NATAL DOWNS           | QLD   |
| YMUC/ALA | MUCCAN STN              | WA    | YNDW/ALA | NANDOWRIE             | QLD   |
| YMUD/ALA | MAUDE CREEK             | NT    | YNEE/ALA | NEE NEE               | NSW   |
| YMUE/ALA | MOUNT BORRADALE STN     | NT    | YNEN/HLS | NORTHERN ENDEAVOUR    | OTH   |
| YMU/ALA  | MUNGALLI FALLS          | QLD   | YNBP/HLS | NEPEAN AEROSPACE PARK | NSW   |
| YMUG/ALA | MUNGERANIE              | SA    | YNER/ALA | NERRIMA               | WA    |
| YMUH/ALA | MUTHAMAL                | NT    | YNES/ALA | NELSON SPRINGS        | NT    |
| YMUJ/ALA | MUNJINA                 | WA    | YNET/ALA | NETLEY STATION        | NSW   |
| YMU/ALA  | MULKA                   | SA    | YNEW/ALA | NEWLANDS COAL         | QLD   |
| YMU/ALA  | MURRAY FIELD            | WA    | YNEY/HLS | NELLY BAY             | QLD   |
| YMUM/ALA | MUMEKA                  | NT    | YNGA/HLS | WANGARATTA            | VIC   |
| YMUN/ALA | MOUNT CATT              | NT    | YNGM/HLS | NANGRAM/WINDIBRI      | QLD   |
| YMUP/ALA | MULGA PARK              | NT    | YNGT/ALA | NGANGORIORDT          | NT    |
| YMUR/ALA | MURWILLUMBAH            | NSW   | YNGU/AD  | NGUKURR               | NT    |
| YMUS/ALA | MANTUAN DOWNS           | QLD   | YNGV/HLS | NINGALOO VISION FPSO  | WA    |
| YMU/ALA  | MILEURA HS              | WA    | YNGW/ALA | NAGAMBIE-WIRRATE      | VIC   |
| YMUZ/HLS | MOUNT MULLIGAN LODGE    | QLD   | YNHL/AD  | NHILL                 | VIC   |
| YVM/ALA  | MANGROVE MOUNTAIN       | NSW   | YNHP/ALA | NORTHAMPTON           | WA    |
|          | GLIDING                 |       | YNHV/ALA | NEW HAVEN             | NT    |
| YMVN/ALA | MORVEN                  | QLD   | YNIC/ALA | NICHOLSON             | WA    |
| YMT/HLS  | MONTARA VENTURE FPSO    | WA    | YNIG/ALA | NONNING               | SA    |
| YMVY/ALA | MOUNT VALLEY            | NT    | YNJY/HLS | NGUJIMA-YIN FLOATING  | WA    |
| YMW/ALA  | MULLEWA                 | WA    | YNKA/ALA | NOONKANBAH            | WA    |
| YMW/ALA  | HOLMWOOD                | SA    | YNKG/HLS | NORTH KANANGRA        | NSW   |
| YMW/HLS  | MONTARA WHP             | WA    | YNKH/HLS | NUMURKAH              | VIC   |
| YMW/ALA  | METEOR DOWNS            | QLD   | YNKR/ALA | NACKEROO              | NT    |
| YMW/ALA  | MAHANEO                 | SA    | YNLD/ALA | NILDOTTIE             | SA    |
| YMW/ALA  | MUNDARING WEIR          | WA    | YNLH/ALA | NEW LANDSDOWN HS      | WA    |
| YMWX/ALA | MARION DOWNS            | QLD   | YNMN/ALA | NEW MOON              | QLD   |
| YMXC/ALA | MAXWELL CREEK           | NT    | YNMY/ALA | NEW MAY DOWNS HS      | QLD   |
| YMYA/ALA | MALNYANGANAK            | NT    | YNNG/ALA | NAR NAR GOON          | VIC   |
| YMYB/AD  | MARYBOROUGH (QLD)       | QLD   | YNOB/ALA | NOBBS CREEK           | NSW   |
| YMYH/ALA | MALLAPUNYAH SPRINGS STN | NT    | YNOC/ALA | NOCKATUNGA            | QLD   |
| YMYI/ALA | MARYMIA                 | WA    | YNOF/ALA | NORFOLK               | QLD   |
| YMYR/ALA | MYROODAH STN            | WA    | YNOM/HLS | NORMAN REEF           | QLD   |
| YMYU/ALA | MYRUP                   | WA    | YNON/ALA | NOONDOONIA HS         | WA    |
| YMYV/ALA | MARYVALE                | NT    | YNOO/ALA | NOOYEAH DOWNS         | QLD   |
| YMYW/ALA | MURRAY DOWNS            | NT    | YNOR/ALA | NOORAMA STATION       | QLD   |
| YMY/ALA  | MARY VALLEY             | QLD   | YNOV/AD  | NOVA                  | WA    |
| YMZI/ALA | MENZIES                 | WA    | YNPA/ALA | NILPINNA              | SA    |
| YNAA/ALA | NAMBUCCA                | NSW   | YNPB/ALA | NAPPERBY              | NT    |
| YNAB/ALA | NABARLEK                | NT    | YNPD/ALA | NAPIER DOWNS STN      | WA    |

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|-----------|--------------------------------|-------|----------|----------------------------------|-------|
| YNPE/AD   | NORTHERN PENINSULA             | QLD   | YOKH/ALA | OAKDEN HILLS                     | SA    |
| YNPJ/ALA  | NORTH PINJARRA                 | WA    | YOKV/ALA | OAK VALLEY                       | SA    |
| YNQI/ALA  | NEW QUINAMBIE                  | SA    | YOLA/ALA | COLAC                            | VIC   |
| YNRB/ALA  | NAREMBEEN                      | WA    | YOLD/AD  | OLYMPIC DAM                      | SA    |
| YNRC/AD   | NARACOORTE                     | SA    | YOLL/HLS | YOLLA PLATFORM                   | TAS   |
| YNRF/HLS  | NATHAN REEF                    | QLD   | YOLW/AD  | ONSLow                           | WA    |
| YNRG/ALA  | NARROGIN                       | WA    | YOLY/ALA | OXLEY                            | NSW   |
| YNRH/HLS  | NEWCASTLE REGIONAL<br>HELIPORT | NSW   | YOMI/ALA | OMICRON                          | QLD   |
| YNRL/ALA  | NARYILCO                       | QLD   | YOMO/HLS | OMEo                             | VIC   |
| YNRM/AD   | NARROMINE                      | NSW   | YONE/ALA | BALONNE                          | QLD   |
| YNRN/ALA  | NARAYEN                        | QLD   | YONK/HLS | ONKAPARINGA GORGE                | SA    |
| YNRR/ALA  | NYIRRIPI                       | QLD   | YOOD/ALA | OODNADATTA                       | SA    |
| YNRV/AD   | RAVENSTHORPE                   | NT    | YOOK/ALA | COOK                             | SA    |
| YNSH/ALA  | NOOSA                          | WA    | YOOM/AD  | MOOMBA                           | SA    |
| YNSI/HLS  | NORTH SOLITARY ISLAND          | QLD   | YOOO/ALA | MOOLOOLOO STN                    | SA    |
| YNSM/ALA  | NORSEMAN                       | NSW   | YOPC/ALA | OPIMUM CREEK                     | NT    |
| YNTH/HLS  | NORMANTON HELIPAD              | WA    | YOPH/ALA | ORPHEUS ISLAND                   | QLD   |
| YNTI/ALA  | NORTH ISLAND                   | QLD   | YOPK/ALA | ORANA PARK                       | QLD   |
| YNTJ/ALA  | NEUTRAL JUNCTION               | WA    | YOPY/HLS | OSPREY REEF                      | QLD   |
| YNTL/ALA  | NEWCASTLE HARBOUR              | NT    | YORA/ALA | MOONERA                          | WA    |
| YNTM/ALA  | NORTHAM                        | NSW   | YORB/AD  | ORBOST                           | VIC   |
| YNTN/AD   | NORMANTON                      | WA    | YORC/ALA | ORCHID BEACH                     | QLD   |
| YNUB/ALA  | NULLARBOR MOTEL                | QLD   | YORG/AD  | ORANGE                           | NSW   |
| YNUE/ALA  | NUMERY                         | SA    | YORL/ALA | ORLEANS FARM                     | WA    |
| YNUL/ALA  | NULLAGINE                      | NT    | YORO/ALA | MOROAK                           | NT    |
| YNUM/AD   | NUMBULWAR                      | WA    | YORR/ALA | ORROO                            | SA    |
| YNUT/ALA  | NUTWOOD DOWNS                  | NT    | YORS/HLS | ORBOST                           | VIC   |
| YNVD/ALA  | NEW VICTORIA DOWNS             | QLD   | YORT/ALA | OORATIPPRa                       | NT    |
| YNWL/ALA  | NORTH WELL                     | QLD   | YORU/ALA | ORUNGAL                          | QLD   |
| YNWM/ALA  | NEUMAYER VALLEY STATION        | SA    | YORV/ALA | ORD RIVER                        | WA    |
| YNWN/AD   | NEWMAN                         | QLD   | YORW/ALA | ORIENT WELL                      | WA    |
| YNWY/ALA  | NETHERWAY                      | WA    | YOSB/AD  | OSBORNE MINE                     | QLD   |
| YNYG/ALA  | NYANG HS                       | NSW   | YOSI/ALA | OSBORNE ISLANDS                  | WA    |
| YNYM/ALA  | NYMAGEE                        | WA    | YOSN/ALA | OLD STATION                      | QLD   |
| YNYN/AD   | NYNGAN                         | NSW   | YOTN/ALA | OOTANN                           | QLD   |
| YNYP/ALA  | NYAPARI                        | NSW   | YOUN/ALA | OUANMI                           | WA    |
| YOAD/ALA  | OLD ANDADO                     | SA    | YOUY/ALA | OUYEN                            | VIC   |
| YOAF/ALA  | OLD ARAFURA                    | NT    | YOXL/HLS | OXLEY POLICE ACADEMY             | QLD   |
| YOAP/ALA  | ONE ARM PT                     | NT    | YOYS/HLS | OYSTER REEF                      | QLD   |
| YOAR/HLS  | MONARTO SAFARI PARK            | WA    | YPAC/ALA | PACIFIC HAVEN                    | QLD   |
| YOAS/ALA  | THE OAKS                       | SA    | YPAD/AD  | ADELAIDE                         | SA    |
| YOAY/ALA  | OAKY CREEK                     | NSW   | YPAG/AD  | PORT AUGUSTA                     | SA    |
| YOBE/HLS  | OBERON                         | QLD   | YPAH/HLS | PANTON HILL                      | VIC   |
| YOBM/ALA  | OOMBABEER                      | NSW   | YPAJ/HLS | PAJINKA                          | QLD   |
| YOBN/ALA  | OBAN                           | QLD   | YPAL/HLS | PALMER RIVER                     | QLD   |
| YOBRI/ALA | OLD BAR                        | QLD   | YPAM/AD  | PALM ISLAND                      | QLD   |
| YOCA/ALA  | OCHRE ARCH                     | NSW   | YPAN/ALA | PANDORA                          | QLD   |
| YOCC/ALA  | OAK CREEK COAL                 | NSW   | YPAR/HLS | PORT ARTHUR                      | TAS   |
| YOCG/HLS  | OCEAN GROVE                    | QLD   | YPAU/HLS | ST PAULS                         | QLD   |
| YOCM/HLS  | MT OWEN COAL MINE              | VIC   | YPAW/HLS | PARADISE WATERS                  | QLD   |
| YODL/ALA  | OURDELL                        | NSW   | YPAY/ALA | PAPUNYA                          | NT    |
| YOEI/HLS  | ORANGE EAST HELIPORT           | QLD   | YPBH/AD  | PETERBOROUGH/GREAT<br>OCEAN ROAD | VIC   |
| YOEN/AD   | OENPELLI                       | NSW   | YBHM/ALA | PORT BREMMER                     | NT    |
| YOGD/ALA  | OLGA DOWNS                     | NT    | YBPN/HLS | PORT BROUGHTON                   | SA    |
| YOIT/ALA  | ORIELTON                       | QLD   | YPBO/AD  | PARABURDOO                       | WA    |
| YOKA/HLS  | OKHA OIL RIG FPSO              | QLD   | YPCC/AD  | COCOS (KEELING) ISLANDS          | OTH   |
| YOKE/ALA  | OAKVALE                        | WA    | YPCE/AD  | POONCARE                         | NSW   |

| CODE     | LOCATION                    | STATE | CODE     | LOCATION                       | STATE |
|----------|-----------------------------|-------|----------|--------------------------------|-------|
| YPCH/ALA | PATCHEWOLLOCK               | VIC   | YPND/ALA | PENTLAND                       | QLD   |
| YPCM/ALA | PICKERTARAMOOR              | NT    | YPNG/ALA | PENONG                         | SA    |
| YPCS/ALA | PINNACLES HS                | WA    | YPNI/ALA | PRENTI DOWNS STN               | WA    |
| YPDD/ALA | POINT DAVID                 | NT    | YPNN/ALA | PINNAROO                       | SA    |
| YPDF/ALA | PADDYS FLAT                 | NSW   | YPNR/ALA | PINORA                         | NSW   |
| YPI/ALA  | PANDIE PANDIE               | SA    | YPNW/ALA | PANNAWONICA                    | WA    |
| YPOK/HLS | PERRYS PADDOCK              | WA    | YPOA/ALA | PORTIA GOLD MINE               | SA    |
| YPOD/AD  | DARWIN                      | NT    | YPOD/AD  | PORTLAND                       | VIC   |
| YPDO/ALA | PARDOO STN                  | WA    | YPOK/ALA | POREPUNKAH                     | VIC   |
| YPOD/ALA | PLANET DOWNS                | QLD   | YPOP/ALA | PORPHYRY                       | WA    |
| YPDY/ALA | PADTHAWAY STN               | SA    | YPOR/HLS | PORTLAND                       | NSW   |
| YPEA/AD  | PEARCE                      | WA    | YPOT/HLS | PORTSMITH                      | QLD   |
| YPED/AD  | EDINBURGH                   | SA    | YPPA/ALA | PALPARARA                      | QLD   |
| YPEF/ALA | PENFIELD                    | VIC   | YPPD/AD  | PORT HEDLAND                   | WA    |
| YPEN/ALA | PENNY                       | WA    | YPPF/AD  | ADELAIDE/PARAFIELD             | SA    |
| YPEP/ALA | PEPPIMENARTI                | NT    | YPPH/AD  | PERTH                          | WA    |
| YPER/ALA | BRAIDWOOD/PERCHERON         | NSW   | YPPK/ALA | PLEASANT PARK                  | VIC   |
| YPET/ALA | PETRO STATION               | NSW   | YPPS/ALA | PICCANINNY PLAINS              | QLD   |
| YPIA/ALA | PORT FAIRY                  | VIC   | YPRC/HLS | PRINCE CHARLES HOSPITAL        | QLD   |
| YPL/ALA  | PRESTON FIELD               | WA    | YPRI/HLS | PRINCESS ALEXANDRA<br>HOSPITAL | QLD   |
| YPFT/ALA | COOMA - POLO FLAT           | NSW   | YPRS/HLS | PARSONS BEACH                  | SA    |
| YPGH/ALA | PIGEON HOLE                 | NT    | YPRV/ALA | PASCOE RIVER                   | QLD   |
| YPGV/AD  | GOVE                        | NT    | YPSB/HLS | PUNSAND BAY                    | QLD   |
| YPHP/HLS | PORT CAMPBELL HELIPORT      | VIC   | YPSI/ALA | PASSAGE ISLAND                 | TAS   |
| YPHS/ALA | ANMATJERE/PINE HILL STATION | NT    | YPSR/HLS | PERISHER                       | NSW   |
| YPHU/ALA | PORT HURD                   | NT    | YPTA/HLS | PORTARLINGTON                  | VIC   |
| YPI/ALA  | PICCANINNY                  | QLD   | YPTB/ALA | PETERBOROUGH                   | SA    |
| YPIH/HLS | PHILLIP ISLAND HELIPORT     | VIC   | YPTD/HLS | PORT DOUGLAS                   | QLD   |
| YPI/ALA  | PINNACLE                    | QLD   | YPTG/ALA | PORT GEORGE                    | WA    |
| YPI/ALA  | PIPERS FIELD                | NSW   | YPTJ/ALA | PATJARR                        | WA    |
| YPIR/AD  | PORT PIRIE                  | SA    | YPTL/ALA | PORTLAND DOWNS                 | QLD   |
| YPIX/ALA | PIA                         | WA    | YPTN/AD  | TINDAL                         | NT    |
| YPI/ALA  | PERENJORI                   | WA    | YPTS/HLS | PORTSEA                        | VIC   |
| YPI/ALA  | PANTJIAN                    | WA    | YPTT/ALA | PERNATTY                       | SA    |
| YPI/AD   | PERTH/JANDAKOT              | WA    | YPUA/ALA | PALUMPA                        | NT    |
| YPI/AD   | KARRATHA                    | WA    | YPUG/ALA | PUNGALINA                      | NT    |
| YPI/ALA  | PEAKE                       | SA    | YPUK/ALA | PUK PUK                        | QLD   |
| YPI/AD   | KALGOORLIE-BOULDER          | WA    | YPUN/ALA | PUNMU                          | WA    |
| YPI/ALA  | PEAK HILL                   | NSW   | YPVC/HLS | PORT VICTORIA                  | SA    |
| YPI/ALA  | PARAKYLIA                   | SA    | YPVD/ALA | PLEVNA DOWNS                   | QLD   |
| YPI/ALA  | PUCKAPUNYAL                 | VIC   | YPVI/ALA | PALMERVILLE                    | QLD   |
| YPI/AD   | PARKES                      | NSW   | YPVP/HLS | PINE VIEW PARK                 | QLD   |
| YPI/AD   | PORT KEATS                  | NT    | YPWF/HLS | PORT WAKEFIELD                 | SA    |
| YPI/AD   | KUNUNURRA                   | WA    | YPWH/ALA | PITTSWORTH                     | QLD   |
| YPI/ALA  | PLUTO ALPHA                 | NSW   | YPWL/HLS | POWELLTOWN                     | VIC   |
| YPI/ALA  | PALM BEACH                  | NSW   | YPWR/AD  | WOOMERA                        | SA    |
| YPI/AD   | PORT LINCOLN                | SA    | YPM/AD   | CHRISTMAS ISLAND               | OTH   |
| YPI/ALA  | PALMERS ISLAND/MACLEAN      | NSW   | YPIA/ALA | PALMYRA                        | QLD   |
| YPI/ALA  | PEAK HILL                   | WA    | YPI/ALA  | PYRAMID HILL                   | VIC   |
| YPI/AD   | LEARMONTH                   | WA    | YPI/ALA  | PAYNES FIND                    | WA    |
| YPI/ALA  | GLADSTONE/PLAYSTATION       | NSW   | YPI/ALA  | PYRENEES VENTURE               | WA    |
| YPI/AD   | POINT LOOKOUT               | QLD   | YPI/ALA  | QUAMBONE                       | NSW   |
| YPI/AD   | PLUTONIC                    | WA    | YPI/ALA  | QUAMBATOOK                     | VIC   |
| YPI/ALA  | PLUMBAGO                    | SA    | YPI/ALA  | QUEENSLIFF                     | VIC   |
| YPI/AD   | PROMINENT HILL              | SA    | YPI/ALA  | CURTIS ISLAND/QCLNG            | QLD   |
| YPI/AD   | PORMPURA                    | QLD   | YPI/ALA  | QUAIRADING                     | WA    |
| YPI/AD   | PORT MACQUARIE              | NSW   | YPI/AD   | QUIRINDI                       | NSW   |
| YPI/ALA  | PINNARENDI                  | QLD   |          |                                |       |

| CODE     | LOCATION                        | STATE | CODE     | LOCATION                     | STATE |
|----------|---------------------------------|-------|----------|------------------------------|-------|
| YQLP/AD  | QUILPIE                         | QLD   | YROB/ALA | ROBINHOOD                    | QLD   |
| YQNS/ALA | QUEENSTOWN                      | TAS   | YROC/HLS | RAVENSWORTH OPEN CUT         | NSW   |
| YQON/HLS | QUONDONG                        | SA    | YROE/ALA | ROEBOURNE                    | WA    |
| YQRN/ALA | QUORN                           | SA    | YROI/AD  | ROBINVALE                    | VIC   |
| YRAC/HLS | RAVENSWORTH COAL CHPP           | NSW   | YROL/HLS | ROLLESTON OPEN CUT           | QLD   |
| YRAG/ALA | RAGLAN                          | VIC   | YROM/AD  | ROMA                         | QLD   |
| YRAK/ALA | RANKU                           | NT    | YROP/ALA | ROSALIE PLAINS               | QLD   |
| YRAM/ALA | RAYMORE HS                      | QLD   | YROS/ALA | MOUNT ROSEBY                 | QLD   |
| YRAP/HLS | RADISSON PIER                   | QLD   | YROT/ALA | ROTHSAY MINE                 | WA    |
| YRAR/ALA | MOREE/RURAL AIR WORK            | NSW   | YROV/ALA | ROSS RIVER                   | NT    |
| YRAT/ALA | RAT ISLAND                      | WA    | YROX/ALA | ROXBOROUGH DOWNS             | QLD   |
| YRAW/ALA | RAWLINNA                        | WA    | YRPA/HLS | ROYAL PRINCE ALFRED HOSPITAL | NSW   |
| YRAY/ALA | ROSE BAY                        | NSW   |          |                              |       |
| YRBB/ALA | RAINBOW BEACH                   | QLD   | YRPT/ALA | RANKIN POINT                 | NT    |
| YRBC/HLS | ROYAL BRISBANE HOSPITAL CHARLIE | QLD   | YRRB/ALA | ROPER BAR                    | NT    |
|          |                                 |       | YRRG/ALA | RHODES RIDGE                 | WA    |
| YRBE/ALA | ROBE                            | SA    | YRRR/ALA | RAYMANGIRR                   | NT    |
| YRBH/HLS | ROYAL BRISBANE HOSPITAL ALPHA   | QLD   | YRSB/ALA | ROSEBERTH                    | QLD   |
|          |                                 |       | YRSK/ALA | RINGER SOAK                  | WA    |
| YRBK/HLS | ROBERTSON BARRACKS              | NT    | YRSN/HLS | RESURRECTION                 | NSW   |
| YRBM/ALA | REDBANK MINE                    | NT    | YRSS/ALA | RISDON STUD                  | QLD   |
| YRBR/ALA | ROBINSON RIVER                  | NT    | YRST/ALA | ROSTELLA                     | TAS   |
| YRBT/ALA | RABBIT FLAT                     | NT    | YRSV/ALA | ROSEVALE                     | QLD   |
| YRBY/ALA | ROKEBY                          | QLD   | YRSW/HLS | RUSHWORTH                    | VIC   |
| YRCD/HLS | ROCHEDALE                       | QLD   | YRSY/ALA | ROMSEY                       | VIC   |
| YRDF/HLS | ROBINSON DAIRY FARM             | QLD   | YRTH/ALA | ROTHWELL                     | VIC   |
| YRDH/HLS | RED HILL SOUTH                  | VIC   | YRTI/AD  | ROTTNEST ISLAND              | WA    |
| YRDM/ALA | REDMONT                         | WA    | YRTN/HLS | RAILTON                      | TAS   |
| YRDN/ALA | RED DOME MINE                   | QLD   | YRTP/ALA | RUTLAND PLAINS               | QLD   |
| YRDP/HLS | REINDEER PLATFORM               | WA    | YRUL/ALA | RURRANGALA                   | NT    |
| YRDS/ALA | RICHMOND DOWNS                  | QLD   | YRUR/ALA | RURRUWUY                     | NT    |
| YRDY/ALA | REEDYS                          | WA    | YRVE/ALA | RIVEREN                      | NT    |
| YRED/ALA | REDCLIFFE                       | QLD   | YRVL/ALA | ROSE VALE                    | NSW   |
| YREM/ALA | REMLAP PARK                     | NSW   | YRVW/ALA | RAVENSWOOD                   | QLD   |
| YREN/AD  | RENMARK                         | SA    | YRWA/ALA | RAWLINNA HS                  | WA    |
| YRES/ALA | RETREAT HS                      | QLD   | YRWF/ALA | ROWLAND FLAT                 | SA    |
| YRFB/ALA | RAFFLES BAY                     | NT    | YRWH/ALA | RAVENSWORTH                  | NSW   |
| YRFD/ALA | RICHFIELD                       | QLD   | YRWK/HLS | RANDWICK                     | NSW   |
| YRHO/HLS | ROYAL CHILDREN'S HOSPITAL       | VIC   | YRWS/HLS | ROWSLEY                      | VIC   |
| YRIA/ALA | BARRKIRA                        | NT    | YRXB/ALA | ROXY DOWNS                   | SA    |
| YRID/ALA | RIDDELL                         | VIC   | YRXN/ALA | REXTON                       | QLD   |
| YRIH/HLS | RICHMOND (VIC)                  | VIC   | YRYA/HLS | RYANS POINT                  | TAS   |
| YRIM/ALA | MERRIMBA                        | NSW   | YRYH/ALA | ROY HILL STN                 | WA    |
| YRIN/ALA | MOUNT RINGWOOD                  | NT    | YRYK/ALA | RAWNSLEY PARK                | SA    |
| YRIO/ALA | RIPCORD                         | QLD   | YRYL/ALA | RYLSTONE AIRPARK             | NSW   |
| YRKB/HLS | ROKEBY POLICE ACADEMY           | TAS   | YRYP/HLS | RAYNER PLACE HELIPORT        | NSW   |
| YRKD/ALA | ROCKHAMPTON DOWNS               | NT    | YRYW/ALA | RAYWOOD                      | VIC   |
| YRKP/ALA | ARKAPENA                        | SA    | YSAC/HLS | SANDY CAPE                   | TAS   |
| YRKS/ALA | ROCKLANDS                       | QLD   | YSAD/ALA | SAVANNAH DOWNS               | QLD   |
| YRLE/ALA | ROCKLEA                         | WA    | YSAF/ALA | SCAMPTON AIRFIELD            | NSW   |
| YRLH/ALA | RIVERSLEIGH                     | QLD   | YSAG/ALA | SANDRINGHAM STN              | QLD   |
| YRLL/ALA | ROLLESTON                       | QLD   | YSAM/ALA | SAMARAI                      | QLD   |
| YRLO/ALA | ROLLOS                          | SA    | YSAN/ALA | SANDSTONE                    | WA    |
| YRMD/AD  | RICHMOND (QLD)                  | QLD   | YSAR/ALA | MOUNT SARAH                  | SA    |
| YRMH/HLS | ROYAL MELBOURNE HOSPITAL        | VIC   | YSAW/ALA | SAWFISH CAMP                 | NT    |
| YRMT/HLS | YARRAM                          | VIC   | YSAY/HLS | SAND CAY                     | QLD   |
| YRNG/AD  | RAMINGINING                     | NT    | YSBE/ALA | SUNBURY EAST                 | VIC   |
| YRNW/ALA | RINGWOOD STN                    | NT    | YSBH/HLS | SADIES BEACH HELIPAD         | QLD   |

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|-------------|-------------------------------|--------------|-------------|-------------------------|--------------|
| YSBK/AD     | SYDNEY/BANKSTOWN              | NSW          | YSLW/ALA    | ST LAWRENCE             | QLD          |
| YSBO/ALA    | STRADBROKE STATION            | QLD          | YSMB/ALA    | SOMERSBY                | NSW          |
| YSBY/HLS    | SEABUOY                       | WA           | YSMH/ALA    | SAMUEL HILL             | QLD          |
| YSCA/ALA    | SCOTIA SANCTUARY              | NSW          | YSMI/ALA    | SMITHTON                | TAS          |
| YSCB/AD     | CANBERRA                      | ACT          | YSMK/ALA    | SMOKEY CREEK            | QLD          |
| YSCC/ALA    | CHERRY GARDENS                | SA           | YSML/HLS    | SOUTH MOLLE ISLAND      | QLD          |
| YSCD/AD     | CAROSUE DAM                   | WA           | YSMP/ALA    | SMITH PT                | NT           |
| YSCF/HLS    | SCAWFELL ISLAND               | QLD          | YSMR/ALA    | STRATHMORE              | QLD          |
| YSCK/ALA    | SALT CREEK                    | SA           | YSMY/ALA    | STRATHMAY               | QLD          |
| YSCN/AD     | CAMDEN                        | NSW          | YSNC/ALA    | SINCLAIR                | WA           |
| YSCO/AD     | SCONE                         | NSW          | YSNF/AD     | NORFOLK ISLAND          | OTH          |
| YSCP/HLS    | SCORESBY/CARIBBEAN PARK       | VIC          | YSNI/HLS    | SNAKE ISLAND            | VIC          |
| YSCR/AD     | SOUTHERN CROSS                | WA           | YSNK/AD     | SNAKE BAY               | NT           |
| YSCT/HLS    | SOUTH CHITTERING              | WA           | YSNW/AD     | NOWRA                   | NSW          |
| YSDL/ALA    | SUDLEY                        | QLD          | YSNY/ALA    | SUNNYSIDE               | NSW          |
| YSDN/HLS    | SEDAN                         | SA           | YSOH/ALA    | SOUTHERN HILLS          | WA           |
| YSDU/AD     | DUBBO                         | NSW          | YSOL/AD     | SOLOMON                 | WA           |
| YSEA/ALA    | SEDAN                         | SA           | YSOW/ALA    | SOUTHWELL               | QLD          |
| YSED/ALA    | STUART MEADOWS                | WA           | YSPA/HLS    | SPRINGVALE              | VIC          |
| YSEE/HLS    | SPEEWAH                       | QLD          | YSPE/AD     | STANTHORPE              | QLD          |
| YSEI/HLS    | SEISIA                        | QLD          | YSPF/ALA    | SPRINGFIELD             | QLD          |
| YSEK/ALA    | STUARTS CREEK                 | QLD          | YSPI/ALA    | SPRINGSURE              | QLD          |
| YSEN/ALA    | SERPENTINE                    | WA           | YSPK/ALA    | SPRING CREEK            | QLD          |
| YSFG/ALA    | STONEFIELD GLIDING            | SA           | YSPT/ALA    | SOUTHPORT               | QLD          |
| YSFI/ALA    | SANDFIRE ROAD HOUSE           | WA           | YSPV/ALA    | SPRINGVALE              | QLD          |
| YSFY/ALA    | SANDFLY                       | TAS          | YSPY/ALA    | SPILSBY ISLAND          | SA           |
| YSGD/ALA    | STRATHGORDON                  | QLD          | YSRD/AD     | SUNRISE DAM             | WA           |
| YSGE/AD     | SAINT GEORGE                  | QLD          | YSRG/ALA    | SUNRAYSIA GLIDING       | VIC          |
| YSGI/ALA    | STRATHGUYLE                   | NSW          | YSRI/AD     | RICHMOND (NSW)          | NSW          |
| YSGN/HLS    | STRATHGORDON                  | TAS          | YSRK/ALA    | SHERLOCK BAY            | WA           |
| YSGR/ALA    | SOUTH GRAFTON                 | NSW          | YSRN/AD     | STRAHAN                 | TAS          |
| YSGT/ALA    | SINGLETON                     | NSW          | YSRT/ALA    | SURAT                   | QLD          |
| YSGW/ALA    | SOUTH GALWAY                  | QLD          | YSSL/HLS    | SOUTH SOLITARY ISLAND   | NSW          |
| YSHA/ALA    | SHADY CAMP                    | NT           | YSSP/HLS    | SKYSAFARI BASE          | QLD          |
| YSHD/HLS    | SHEFFIELD                     | TAS          | YSSY/AD     | SYDNEY/KINGSFORD SMITH  | NSW          |
| YSHK/AD     | SHARK BAY                     | WA           | YSTA/AD     | ST ARNAUD               | VIC          |
| YSHL/AD     | SHELLHARBOUR AIRPORT          | NSW          | YSTB/ALA    | STRATHBURN              | QLD          |
| YSHN/ALA    | SHANNON RIVER                 | WA           | YSTC/ALA    | STUART CREEK            | SA           |
| YSHR/ALA    | SHUTE HARBOUR/WHITSUNDAY      | QLD          | YSTD/ALA    | STAR LANDING AREA       | QLD          |
| YSHS/HLS    | STENHOUSE BAY                 | SA           | YSTF/HLS    | STRATFORD               | QLD          |
| YSHT/AD     | SHEPPARTON                    | VIC          | YSTG/HLS    | STAG PLATFORM           | WA           |
| YSHW/AD     | HOLSWORTHY                    | NSW          | YSTH/AD     | SAINT HELENS            | TAS          |
| YSIA/ALA    | SIAM                          | SA           | YSTI/ALA    | STEPHENS ISLAND         | QLD          |
| YSIE/ALA    | SHIRLEY                       | QLD          | YSTL/ALA    | STIRLING STATION        | QLD          |
| YSII/AD     | SAIBAI ISLAND                 | QLD          | YSTN/HLS    | STANLEY                 | TAS          |
| YSJF/HLS    | SIR JOHN FALLS (GORDON RIVER) | TAS          | YSTO/ALA    | STONEHENGE              | QLD          |
|             |                               |              | YSTR/ALA    | STRATHEARN              | SA           |
| YSKF/ALA    | STARKE FIELD                  | QLD          | YSTT/ALA    | SANTA TERESA            | NT           |
| YSKI/ALA    | SKI BEACH                     | NT           | YSTW/AD     | TAMWORTH                | NSW          |
| YSKR/ALA    | SKARDON RIVER                 | QLD          | YSUD/HLS    | SUDBURY REEF            | QLD          |
| YSLD/ALA    | SUTHERLAND STATION            | QLD          | YSUJ/ALA    | SUPPLEJACK DOWNS        | NT           |
| YSLA/ALA    | ST LEONARDS                   | VIC          | YSUM/HLS    | SUMMERHILL ROAD HELIPAD | SA           |
| YSLG/ALA    | SILENT GROVE                  | WA           | YSUT/ALA    | SUTTOR CREEK            | QLD          |
| YSLI/HLS    | SEAL ISLAND                   | VIC          | YSVH/ALA    | SILVER HILLS            | QLD          |
| YSLK/ALA    | SEA LAKE                      | VIC          | YSVN/ALA    | STRATHAVEN              | QLD          |
| YSLN/ALA    | STRATHLEVEN                   | QLD          | YSVP/ALA    | SILVER PLAINS           | QLD          |
| YSLT/HLS    | SALE                          | VIC          | YSWB/ALA    | SWAN BAY                | NSW          |
| YSLV/ALA    | SYLVANIA HS                   | WA           | YSWD/HLS    | SEA WORLD               | QLD          |

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|-------------|-----------------------|--------------|-------------|----------------------|--------------|
| YSWE/ALA    | SWEERS ISLAND         | QLD          | YTHY/ALA    | THYLUNGRA            | QLD          |
| YSWG/AD     | WAGGA WAGGA           | NSW          | YTIB/AD     | TIBOOBURRA           | NSW          |
| YSWH/AD     | SWAN HILL             | VIC          | YTIE/HLS    | OAK CREEK COAL TIERI | QLD          |
| YSWK/ALA    | SOUTH WEST ROCKS      | NSW          |             | TOWNSHIP             |              |
| YSWL/AD     | STAWELL               | VIC          | YTIH/ALA    | TICKALARA HS         | QLD          |
| YSWQ/ALA    | SWAN HILL             | QLD          | YTII/ALA    | TRINIDAD             | QLD          |
| YSWR/HLS    | SWAN REACH            | SA           | YTIT/ALA    | TI TREE              | NT           |
| YSXB/ALA    | SAXBY DOWNS           | QLD          | YTIW/ALA    | TIRRAWARRA           | SA           |
| YSYN/ALA    | STRATHALBYN           | SA           | YTIV/ALA    | TRIAL BAY            | NT           |
| YSYY/HLS    | SANDY CAY             | QLD          | YTJI/ALA    | TJIRRKARLI           | WA           |
| YTAA/ALA    | TARA                  | QLD          | YTJU/ALA    | TJUNTJUNTJARRA       | WA           |
| YTAB/ALA    | TABLELAND HS          | WA           | YTKL/ALA    | TURKEY LANE          | SA           |
| YTAF/HLS    | TRAFALGAR LANE        | TAS          | YTKY/ALA    | TURKEY CREEK         | WA           |
| YTAH/HLS    | TAHMOOR MINE          | NSW          | YTLH/ALA    | TOOGOOLOWAH          | QLD          |
| YTAM/AD     | TAROOM                | QLD          | YTLI/ALA    | TALGAI               | QLD          |
| YTAN/ALA    | TANAMI DOWNS          | NT           | YTLL/ALA    | TULLAMORE            | NSW          |
| YTAP/ALA    | TAYLORS PLAINS        | QLD          | YTLP/ALA    | TILPA                | NSW          |
| YTAR/ALA    | TARCOOLA              | SA           | YTLT/ALA    | TARLTON DOWNS        | NT           |
| YTB/AD      | TUMBY BAY             | SA           | YTLY/ALA    | THE LILY             | WA           |
| YTBH/ALA    | BRENDLE DOWNS STATION | QLD          | YTMA/ALA    | THALMERA             | QLD          |
| YTB/ALA     | TABLE HILL            | NT           | YTM/ALA     | TAMBO                | QLD          |
| YTB/ALA     | TUMBARUMBA            | NSW          | YTME/ALA    | TANAMERA             | QLD          |
| YTB/ALA     | TIMBER CREEK          | NT           | YTMN/ALA    | TANAMI               | NT           |
| YTBV/ALA    | TIBUC VALLEY          | NSW          | YTM/AD      | THE MONUMENT         | QLD          |
| YTB/ALA     | TALBOT BAY            | WA           | YTMS/ALA    | TAMBAR SPRINGS       | NSW          |
| YTCK/ALA    | TORRENS CREEK         | QLD          | YTMU/AD     | TUMUT                | NSW          |
| YTCU/ALA    | TUCSON                | QLD          | YTMY/ALA    | TOBERMOREY           | NT           |
| YTCY/ALA    | TARCOONYINNA          | SA           | YTND/HLS    | TOWNSEND ISLAND      | QLD          |
| YTDL/HLS    | TIDAL RIVER           | VIC          | YTNG/AD     | THANGOOL             | QLD          |
| YTD/ALA     | TODMORDEN             | SA           | YTNK/AD     | TENNANT CREEK        | NT           |
| YTDN/ALA    | TOORADIN              | VIC          | YTNR/ALA    | TANUMBIRINI STN      | NT           |
| YTD/AD      | THEODORE              | QLD          | YTNS/ALA    | TOLINESS             | QLD          |
| YTEA/ALA    | TERANG                | QLD          | YTOA/ALA    | TOOLACHIE            | SA           |
| YTEE/AD     | TREPELL               | QLD          | YTOB/ALA    | TOOMBA               | QLD          |
| YTEF/AD     | TELFER                | WA           | YTOC/AD     | TOCUMWAL             | NSW          |
| YTEL/ALA    | TELLARAGA             | NSW          | YTOG/ALA    | TOGO STATION         | NSW          |
| YTEM/AD     | TEMORA                | NSW          | YTOL/ALA    | TOOLOOMBILLA HS      | QLD          |
| YTES/HLS    | TESSA SHOALS          | WA           | YTOO/ALA    | MARYLAND TOO         | WA           |
| YTEX/ALA    | TEXAS                 | QLD          | YTOT/ALA    | TOTTENHAM            | NSW          |
| YTFA/ALA    | TRURO FLAT AIRPARK    | SA           | YTPA/ALA    | TIPPERARY            | NT           |
| YTFD/ALA    | TENTERFIELD           | NSW          | YTPD/ALA    | THORPDAL             | VIC          |
| YTFR/ALA    | TINAROO FALLS RESV    | QLD          | YTPK/ALA    | TURTLE PARK          | QLD          |
| YTGA/ALA    | TANGALOOMA            | QLD          | YTPL/ALA    | TOOPUNTUL            | NSW          |
| YTGG/ALA    | TAGGERTY              | VIC          | YTQY/ALA    | TORQUAY              | VIC          |
| YTG/ALA     | TRANGIE               | NSW          | YTRA/AD     | TROPICANA            | WA           |
| YTG/AD      | THARGOMINDAH          | QLD          | YTRC/ALA    | TARCOMBE             | QLD          |
| YTG/AD      | THE GRANITES          | NT           | YTRD/HLS    | TROUBRIDGE ISLAND    | SA           |
| YTGW/ALA    | TRAGOWEL              | QLD          | YTRE/AD     | TAREE                | NSW          |
| YTHA/HLS    | THYLACINE A PLATFORM  | TAS          | YTRF/ALA    | TREFOIL ISLAND       | TAS          |
| YTHB/HLS    | THREDBO               | NSW          | YTRG/ALA    | TREAGER              | SA           |
| YTHD/ALA    | THEDA STN             | WA           | YTRI/ALA    | TRINITY INLET        | QLD          |
| YTHI/ALA    | THISTLE ISLAND        | SA           | YTRK/ALA    | TUREE CREEK          | WA           |
| YTHM/ALA    | THREE HUMMOCK ISLAND  | TAS          | YTRN/ALA    | TARRAGONA            | QLD          |
| YTHN/AD     | THUNDERBOX            | WA           | YTRO/ALA    | TIMBAROO             | QLD          |
| YTHR/ALA    | THREE RIVERS HS       | WA           | YTRS/HLS    | THREE ROCKS          | QLD          |
| YTHS/ALA    | THREE SPRINGS         | WA           | YTRW/ALA    | TORWOOD              | QLD          |
| YHT/ALA     | THE TWINS             | SA           | YTSI/HLS    | TASMAN ISLAND        | TAS          |
| YTHV/ALA    | THEVENARD ISLAND      | WA           | YTST/AD     | TRUSCOTT-MUNGALALU   | WA           |

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|-------------|------------------------|--------------|-------------|------------------------|--------------|
| YTTE/ALA    | TI TREE                | QLD          | YUTA/HLS    | BARRACOUTA PLATFORM    | VIC          |
| YTTI/AD     | TROUGHTON ISLAND       | WA           | YUTP/ALA    | UTOPIA                 | NT           |
| YTTS/ALA    | TARTRUS                | QLD          | YUTS/ALA    | UTOPIA STN             | NT           |
| YTUB/ALA    | WAKOOL/TULLABURRA      | NSW          | YUWH/HLS    | WHITING PLATFORM       | VIC          |
| YTUD/HLS    | THURSDAY ISLAND        | QLD          | YVAF/ALA    | TRURO/VALLEY FARM      | SA           |
| YTUE/ALA    | TRUNDLE                | NSW          | YVAL/ALA    | THE VALE               | TAS          |
| YTUG/ALA    | TRUGANINNIE            | QLD          | YVAN/ALA    | VANSITTART BAY         | WA           |
| YTUL/HLS    | TULLAH                 | TAS          | YVCB/HLS    | VICTORIA BARRACKS      | NSW          |
| YTUM/ALA    | TUMBAR STATION         | QLD          | YVIE/HLS    | VICTOR ISLAND EAST     | QLD          |
| YTUN/ALA    | TUNBRIDGE              | TAS          | YVIL/HLS    | THE VILLE              | QLD          |
| YTUR/ALA    | TUREE                  | NSW          | YVIV/ALA    | MOUNT VIVIAN           | SA           |
| YTUY/ALA    | TULLY                  | QLD          | YVIW/HLS    | VICTOR ISLAND WEST     | QLD          |
| YTVR/HLS    | THE VINES RESORT       | WA           | YVLY/ALA    | VARLEY                 | WA           |
| YTWA/ALA    | TIERAWOOMBA            | QLD          | YVND/HLS    | BOOBY ISLAND           | QLD          |
| YTWB/AD     | TOOWOOMBA              | QLD          | YVNS/ALA    | VAUGHAN SPRINGS        | NT           |
| YTWD/ALA    | TALWOOD                | QLD          | YVOB/ALA    | VIVONNE BAY            | SA           |
| YTWE/ALA    | TRELAWNEY              | QLD          | YVPC/HLS    | VICTORIA POLICE CENTRE | VIC          |
| YTWG/ALA    | TOWRANG GLIDING        | NSW          | YVRD/ALA    | VICTORIA RIVER DOWNS   | NT           |
| YTWH/HLS    | TWEED HEADS HOSPITAL   | NSW          | YVRS/ALA    | VAN ROOK STATION       | QLD          |
| YTWL/HLS    | TWO WELLS              | SA           | YVSH/ALA    | VASHON HEAD            | NT           |
| YTWN/ALA    | TOORAWEEAH             | NSW          | YVTH/HLS    | VICTOR HARBOR          | SA           |
| YTYA/ALA    | TYABB                  | VIC          | YVVA/ALA    | VICTORIA VALLEY        | VIC          |
| YTYH/ALA    | TYAGARAH               | NSW          | YVVL/ALA    | VIOLET VALE            | QLD          |
| YTYN/ALA    | TIYON STN              | SA           | YWAA/HLS    | WANDOO ALPHA           | WA           |
| YUAL/HLS    | HALIBUT PLATFORM       | VIC          | YWAB/ALA    | WALDBURG HS            | WA           |
| YUAN/ALA    | MULAN                  | WA           | YWAC/ALA    | WAUCHOPE               | NT           |
| YUBK/ALA    | UMBAKUMBA              | NT           | YWAG/ALA    | WANAARING              | NSW          |
| YUBX/HLS    | COBIA PLATFORM         | VIC          | YWAH/ALA    | WAHROONGAH             | QLD          |
| YUCH/ALA    | UCHARONIDGE STN        | NT           | YWAL/ALA    | WALLAL DOWNS           | WA           |
| YUDA/ALA    | UNDARA                 | QLD          | YWAN/HLS    | WANDA BEACH            | NSW          |
| YUDG/ALA    | URANDANGI              | QLD          | YWAO/HLS    | WANDOO BRAVO           | WA           |
| YUDL/ALA    | UNDILLA STATION        | QLD          | YWAR/HLS    | WARRAGUL               | VIC          |
| YUFA/HLS    | KINGFISH A PLATFORM    | VIC          | YWAT/ALA    | WATTLE HILLS           | QLD          |
| YUFB/HLS    | KINGFISH B PLATFORM    | VIC          | YWAV/ALA    | WAVE HILL              | NT           |
| YUFW/HLS    | WEST KINGFISH PLATFORM | VIC          | YWAX/ALA    | WANNAN                 | WA           |
| YUKL/HLS    | MACKEREL               | VIC          | YWBA/ALA    | WOORABINDA             | QLD          |
| YULC/ALA    | ULCANBAH               | QLD          | YWBB/ALA    | WOMBLEBANK HS          | QLD          |
| YULN/HLS    | ULAN COAL MINES        | NSW          | YWBI/ALA    | WARRABRI               | NT           |
| YULX/HLS    | FLOUNDER PLATFORM      | VIC          | YWBL/AD     | WARRNAMBOOL            | VIC          |
| YUMA/HLS    | BREAM A PLATFORM       | VIC          | YWBN/ALA    | WEDDERBURN             | NSW          |
| YUMB/ALA    | UMBEARA                | NT           | YWBR/AD     | WARBURTON              | WA           |
| YUMU/ALA    | UMUWA                  | SA           | YWBS/ALA    | WARRABER ISLAND        | QLD          |
| YUNA/HLS    | TUNA PLATFORM          | VIC          | YWBV/ALA    | WESTBURY               | QLD          |
| YUNG/ALA    | BORUNG                 | VIC          | YWCA/AD     | WILCANNIA              | NSW          |
| YUNW/HLS    | WEST TUNA PLATFORM     | VIC          | YWCH/ALA    | WALCHA                 | NSW          |
| YUNY/ALA    | CLUNY                  | QLD          | YWCK/AD     | WARWICK                | QLD          |
| YUOF/HLS    | LONGFORD HELIPORT      | VIC          | YWCM/ALA    | WILSON'S CAMP          | NT           |
| YUPA/HLS    | DOLPHIN PLATFORM       | VIC          | YWCN/ALA    | WARBRECCAN             | QLD          |
| YUPC/HLS    | UPOLU CAY              | QLD          | YWCS/HLS    | WINCHELSEA             | VIC          |
| YUPE/HLS    | PERCH PLATFORM         | VIC          | YWDA/ALA    | WINDARRA               | WA           |
| YUPG/ALA    | URAPUNGA               | NT           | YWDC/ALA    | WODGINA                | WA           |
| YUPX/HLS    | MARLIN PLATFORM        | VIC          | YWDG/AD     | WINDARLING             | WA           |
| YURB/HLS    | BREAM B PLATFORM       | VIC          | YWDH/AD     | WINDORAH               | QLD          |
| YURL/ALA    | URLAMPE                | NT           | YWDI/HLS    | WARDANG ISLAND         | SA           |
| YURR/HLS    | BURRA                  | SA           | YWDJ/ALA    | WINDJANA GORGE         | WA           |
| YUSL/ALA    | USELESS LOOP           | WA           | YWDL/ALA    | WONDOOLA               | QLD          |
| YUSN/HLS    | SNAPPER PLATFORM       | VIC          | YWDM/HLS    | WADDAMANA              | TAS          |
| YUSU/HLS    | FORTESQUE PLATFORM     | VIC          | YWDS/HLS    | WOODSIDE               | SA           |



| <b>CODE</b> | <b>LOCATION</b>      | <b>STATE</b> | <b>CODE</b> | <b>LOCATION</b>           | <b>STATE</b> |
|-------------|----------------------|--------------|-------------|---------------------------|--------------|
| YWDI/ALA    | WYANDOTTE            | QLD          | YWMY/ALA    | WILLIAMBURY               | WA           |
| YWDV/ALA    | WANDO VALE           | QLD          | YWND/ALA    | WONDAI                    | QLD          |
| YWEA/ALA    | WANELLA STATION      | QLD          | YWNI/ALA    | WATHANIN                  | QLD          |
| YWEC/ALA    | WELLCLOSE            | QLD          | YWNL/ALA    | WINGELLINA                | WA           |
| YWEE/ALA    | WOOLEEN HS           | WA           | YWNN/ALA    | WANDOAN                   | QLD          |
| YWEH/HLS    | WEIPA HELIPORT       | QLD          | YWNO/ALA    | WONGANOO                  | WA           |
| YWEL/ALA    | WELLINGTON           | NSW          | YWNR/ALA    | WOOLNER                   | NT           |
| YWEO/ALA    | WERTALLOONA          | SA           | YWOG/HLS    | WONTHAGGI TOWNSHIP        | VIC          |
| YWER/ALA    | WERNADINGA           | QLD          | YWOH/ALA    | WONGAN HILLS              | WA           |
| YWEX/ALA    | WELL 33              | WA           | YWON/ALA    | WONGALARA                 | NT           |
| YWGA/AD     | PORT HEDLAND/WODGINA | WA           | YWOR/ALA    | WOLLOGORANG               | NT           |
| YWGE/ALA    | WANDAGEE STN         | WA           | YWOT/ALA    | WOOLOOMANATA              | VIC          |
| YWGI/ALA    | WEDGE ISLAND         | SA           | YWOW/ALA    | DUBBO/WINGS OUT WEST      | NSW          |
| YWGM/ALA    | WHITE GUM            | WA           | YWPA/ALA    | WIRREALPA                 | SA           |
| YWGN/ALA    | WAGIN                | WA           | YWPB/HLS    | BAYU UN DAN WHP           | WA           |
| YWGT/AD     | WANGARATTA           | VIC          | YWPE/ALA    | WALPOLE                   | WA           |
| YWGW/ALA    | WONGAWOL             | WA           | YWPL/ALA    | WINNING POOL NORTH        | WA           |
| YWH/AD      | WHYALLA              | SA           | YWPN/ALA    | WILPENA                   | SA           |
| YWHC/AD     | WHITE CLIFFS         | NSW          | YWPR/ALA    | WILPOORINNA               | SA           |
| YWHG/ALA    | WAHRING FIELD        | VIC          | YWRA/ALA    | WOORONA                   | QLD          |
| YWHI/ALA    | WITCHELINA           | SA           | YWRC/ALA    | WAVE ROCK                 | WA           |
| YWHL/ALA    | WALHALLOW STN        | NT           | YWRL/ALA    | WARIALDA                  | NSW          |
| YWHP/HLS    | WOLLONGONG HELIPORT  | NSW          | YWRN/AD     | WARREN                    | NSW          |
| YWHY/HLS    | WHYTES ISLAND        | QLD          | YWRO/HLS    | WALLAROO                  | SA           |
| YWIB/ALA    | MOUNT WILLOUGHBY     | SA           | YWRR/ALA    | WARROORA HS               | WA           |
| YWIE/ALA    | WIRRALIE GOLD MINE   | QLD          | YWRS/ALA    | WERRINGTON                | QLD          |
| YWIG/ALA    | WIGRAM IS            | NT           | YWRV/ALA    | WALKER RIVER              | NT           |
| YWII/HLS    | WIRRINA              | SA           | YWSG/ALA    | WATTS BRIDGE              | QLD          |
| YWIL/ALA    | WILANDRA             | NSW          | YWSL/AD     | WEST SALE                 | VIC          |
| YWIM/HLS    | WIEAMBILLA/KENYA     | QLD          | YWSN/ALA    | WOODSTOCK STATION         | QLD          |
| YWIN/ALA    | WILLOWBANK           | QLD          | YWSR/ALA    | NEWCASTLE/WALLSAIR        | NSW          |
| YWIO/ALA    | WILTON               | NSW          | YWST/HLS    | WESTMEAD HOSPITAL         | NSW          |
| YWIR/ALA    | WIRRAMINNA           | SA           | YWSX/ALA    | WESTONIA                  | WA           |
| YWIS/ALA    | WILLIAMSON           | QLD          | YWTA/ALA    | WINTINNA                  | SA           |
| YWJL/HLS    | WUJAL WUJAL          | QLD          | YWTE/HLS    | WHITE TIP REEF            | QLD          |
| YWK/AD      | WARRACKNABEAL        | VIC          | YWTH/ALA    | WATERHOUSE ISLAND         | TAS          |
| YWKD/ALA    | WOODIKAPILDIA        | NT           | YWTL/ALA    | WATERLOO (NT)             | NT           |
| YWKI/ALA    | WAIKERIE             | SA           | YWTN/AD     | WINTON                    | QLD          |
| YWKM/ALA    | WYALKATCHEM          | WA           | YWTO/AD     | WENTWORTH                 | NSW          |
| YWKS/ALA    | WILKINS RUNWAY       | OTH          | YWTP/HLS    | WHEATSTONE PLATFORM       | WA           |
| YWKW/ALA    | WARKWORTH            | NSW          | YWTV/ALA    | WATSON RIVER              | QLD          |
| YWLA/ALA    | WILLOWRA             | NT           | YWUD/AD     | WUDINNA                   | SA           |
| YWLD/HLS    | WILLIS IS            | OTH          | YWUL/ALA    | WULWUWUY                  | NT           |
| YWL/ALA     | WELFORD              | QLD          | YWVA/ALA    | WARNERVALE                | NSW          |
| YWLG/AD     | WALGETT              | NSW          | YWVL/ALA    | STOKES/WARRENVALE STATION | QLD          |
| YWLI/HLS    | MOUNT WELLINGTON     | TAS          | YWVN/ALA    | WOLVERTON                 | QLD          |
| YWLM/AD     | WILLIAMTOWN          | NSW          | YWVR/HLS    | WOLGAN VALLEY HELIPORT    | NSW          |
| YWLN/ALA    | WOOLTANA             | SA           | YWWD/ALA    | WEEWONDILLA               | QLD          |
| YWLO/ALA    | WILLEROO             | NT           | YWWE/ALA    | WARRAWEE                  | QLD          |
| YWLP/HLS    | WILSONS PROMONTORY   | VIC          | YWWG/ALA    | WARRAWAGINE STN           | WA           |
| YWL/AD      | WILUNA               | WA           | YWWH/ALA    | WENTWORTH                 | QLD          |
| YWMC/ALA    | WILLIAM CREEK        | SA           | YWWI/AD     | WOODIE WOODIE             | WA           |
| YWMG/ALA    | WEILMORINGLE         | NSW          | YWWL/AD     | WEST WYALONG              | NSW          |
| YWML/ALA    | WESTMORELAND         | QLD          | YWW/ALA     | WIRRAWAY STATION          | QLD          |
| YWMM/ALA    | WOLLOMOMBI           | NSW          | YWWX/ALA    | WILLIWIN                  | QLD          |
| YWMO/AD     | WEST MUSGRAVE        | WA           | YWYA/ALA    | WYANDRA                   | QLD          |
| YWMP/ALA    | WROTHAM PARK         | QLD          | YWYB/ALA    | WYNBRING                  | SA           |
| YWMR/ALA    | WROTHAM PARK RESORT  | QLD          | YWYF/AD     | WYCHEPROOF                | VIC          |

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|----------|-------------------------------|-------|----------|--------------------------------|-------|
| YWYG/ALA | WYAGIPO                       | NT    | YXCU/HLS | CUNNINGHAMS GAP                | QLD   |
| YWYL/ALA | WHYALLA (QLD)                 | QLD   | YXCV/HLS | COLLINSVILLE HOSPITAL          | QLD   |
| YWYM/AD  | WYNDHAM                       | WA    | YXCW/HLS | COWRA HOSPITAL                 | NSW   |
| YWYO/HLS | WYOMING                       | QLD   | YXCY/HLS | CALVARY HOSPITAL               | ACT   |
| YWYR/ALA | WYREEMA                       | QLD   | YXDA/HLS | DALBY HOSPITAL                 | QLD   |
| YWYT/HLS | WAYATINAH                     | TAS   | YXDB/HLS | DUBBO HOSPITAL                 | NSW   |
| WYYY/AD  | WYNYARD                       | TAS   | YXDE/HLS | DENMAN HOSPITAL                | NSW   |
| YXAA/HLS | NEW ROYAL ADELAIDE HOSPITAL   | SA    | YXDG/HLS | DORRIGO MEDICAL                | NSW   |
|          |                               |       | YXDH/HLS | ROYAL DARWIN HOSPITAL          | NT    |
| YXAB/HLS | COONABARABRAN HOSPITAL        | NSW   | YXDM/HLS | DERBY MEDICAL                  | TAS   |
| YXAE/HLS | KATHERINE HOSPITAL            | NT    | YXDN/HLS | DUNEDOO HOSPITAL               | NSW   |
| YXAG/HLS | ANGASTON HOSPITAL             | SA    | YXDO/HLS | DOYLES MEDICAL                 | NSW   |
| YXAH/HLS | ARMIDALE HOSPITAL             | NSW   | YXDR/HLS | MUNDUBERRA HOSPITAL            | QLD   |
| YXAL/HLS | ALBURY HOSPITAL               | NSW   | YXDT/HLS | GLADSTONE HOSPITAL             | QLD   |
| YXAN/HLS | ARDROSSAN HOSPITAL            | SA    | YXDU/HLS | DUNWICH HOSPITAL               | QLD   |
| YXAO/HLS | CANOWINDRA MEDICAL            | NSW   | YXDV/HLS | DOVER MEDICAL                  | TAS   |
| YXAR/HLS | ARARAT HOSPITAL               | VIC   | YXDY/HLS | DYSART HOSPITAL                | QLD   |
| YXAT/HLS | ATHERTON HOSPITAL             | QLD   | YXEA/HLS | EAGLEHAWK NECK MEDICAL         | TAS   |
| YXAV/HLS | Craven Medical                | NSW   | YXEE/HLS | MOREE HOSPITAL                 | NSW   |
| YXAY/HLS | BLAYNEY MEDICAL               | NSW   | YXEG/HLS | BELLINGEN MEDICAL              | NSW   |
| YXBA/HLS | BALAKLAVA HOSPITAL            | SA    | YXEI/HLS | EIDSVOLD HOSPITAL              | QLD   |
| YXBB/HLS | BINNABURRA                    | QLD   | YXEL/HLS | BOTHWELL MEDICAL               | TAS   |
| YXBC/HLS | BEECHMONT                     | QLD   | YXEM/HLS | EDEN MEDICAL                   | NSW   |
| YXBD/HLS | BUNDBERG HOSPITAL             | QLD   | YXEP/HLS | WEIPA HOSPITAL                 | QLD   |
| YXBE/HLS | BENDIGO HOSPITAL              | VIC   | YXER/HLS | ELLERSTON MEDICAL              | NSW   |
| YXBF/HLS | BICHENO MEDICAL               | TAS   | YXES/HLS | ESK HOSPITAL                   | QLD   |
| YXBH/HLS | BATHURST HOSPITAL             | NSW   | YXET/HLS | EAST RIDGE MEDICAL             | NSW   |
| YXBI/HLS | BIGGENDEN HOSPITAL            | QLD   | YXFH/HLS | FIONA STANLEY HOSPITAL         | WA    |
| YXBK/HLS | BELLBROOK MEDICAL             | NSW   | YXFM/HLS | FLINDERS MEDICAL CENTRE        | SA    |
| YXBL/HLS | BLACKTOWN HOSPITAL            | NSW   | YXFO/HLS | FORBES HOSPITAL                | NSW   |
| YXBM/HLS | BLUE MOUNTAINS HOSPITAL       | NSW   | YXFP/HLS | FREYCINET PENINSULA MEDICAL    | TAS   |
| YXBN/HLS | BAIRNSDALE HOSPITAL           | VIC   |          |                                |       |
| YXBO/HLS | BOONAH HOSPITAL               | QLD   | YXFR/HLS | FRANKSTON HOSPITAL             | VIC   |
| YXBR/HLS | MOUNT BARKER HOSPITAL         | SA    | YXFV/HLS | NEWCASTLE WESTPAC BASE         | NSW   |
| YXBS/HLS | BEAUDESERT HOSPITAL           | QLD   | YXGA/HLS | GATTON HOSPITAL                | QLD   |
| YXBT/HLS | BALLARAT BASE HOSPITAL        | VIC   | YXGC/HLS | GLOUCESTER MEDICAL             | NSW   |
| YXBU/HLS | BULWER/MORETON ISLAND         | QLD   | YXGE/HLS | GLEN INNES MEDICAL             | NSW   |
| YXBV/HLS | BEGA HOSPITAL                 | NSW   | YXGG/HLS | GLENREAGH MEDICAL              | NSW   |
| YXBW/HLS | BOWEN HOSPITAL                | QLD   | YXGH/HLS | GOULBURN HOSPITAL              | NSW   |
| YXBY/HLS | ALONNAH MEDICAL               | TAS   | YXGI/HLS | GAYNDAH HOSPITAL               | QLD   |
| YXBZ/HLS | BILOELA HOSPITAL              | QLD   | YXGL/HLS | GRENFELL MEDICAL               | NSW   |
| YXCA/HLS | CANUNGRA HLS                  | QLD   | YXGM/HLS | INGHAM HEALTH SERVICE          | QLD   |
| YXCB/HLS | CANBERRA HOSPITAL             | ACT   | YXGN/HLS | GOONOO GOONOO MEDICAL          | NSW   |
| YXCC/HLS | CONCORD HOSPITAL              | NSW   | YXGO/HLS | GOONDIWINDI HOSPITAL           | QLD   |
| YXCD/HLS | CEDAR CREEK                   | QLD   | YXGP/HLS | GRAFTON HOSPITAL               | NSW   |
| YXCE/HLS | SOUTH CAIRNS HEALTH FACILITY  | QLD   | YXGR/HLS | GILGANDRA HOSPITAL             | NSW   |
|          |                               |       | YXGS/HLS | GOSFORD HOSPITAL               | NSW   |
| YXCF/HLS | ORANGE HELICOPTER RESCUE BASE | NSW   | YXGT/HLS | GULGONG HOSPITAL               | NSW   |
|          |                               |       | YXGU/HLS | GUNNEDAH HOSPITAL              | NSW   |
| YXCH/HLS | CHERBOURG HOSPITAL            | QLD   | YXGW/HLS | GUNDAGAI MEDICAL               | NSW   |
| YXCI/HLS | CHINCHILLA HOSPITAL           | QLD   | YXGY/HLS | GYMPIE HOSPITAL                | QLD   |
| YXCL/HLS | COLLARENEBRI HOSPITAL         | NSW   | YXHB/HLS | HOLBROOK MEDICAL               | NSW   |
| YXCM/HLS | COOMA HOSPITAL                | NSW   | YXHC/HLS | CHARLTON HOSPITAL              | VIC   |
| YXCO/HLS | COOKTOWN HEALTH SERVICE       | QLD   | YXHE/HLS | HERVEY BAY HOSPITAL            | QLD   |
| YXCP/HLS | CAMPBELLTOWN HOSPITAL         | NSW   | YXHG/HLS | GOLD COAST UNIVERSITY HOSPITAL | QLD   |
| YXCR/HLS | CEDAR MEDICAL                 | NSW   |          |                                |       |
| YXCS/HLS | CLONCURRY HOSPITAL            | QLD   | YXHH/HLS | ROYAL HOBART HOSPITAL          | TAS   |
| YXCT/HLS | CLERMONT HOSPITAL             | QLD   |          |                                |       |

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|----------|---------------------------------|-------|----------|--------------------------------|-------|
| YXHK/HLS | HORNSBY KU-RING-GAI HOSPITAL    | NSW   | YXMM/HLS | MANNUM HOSPITAL                | SA    |
| YXHS/HLS | SUNSHINE COAST HOSPITAL         | QLD   | YXMO/HLS | MOSSMAN HOSPITAL               | QLD   |
| YXHT/HLS | CHARTERS TOWERS HOSPITAL        | QLD   | YXMP/HLS | MOUNT PERRY HEALTH CARE CENTRE | QLD   |
| YXHU/HLS | HUGHENDEN HOSPITAL              | QLD   | YXMQ/HLS | MAITLAND HOSPITAL (SA)         | SA    |
| YXHY/HLS | HAY HOSPITAL                    | NSW   | YXMR/HLS | MOURA HOSPITAL                 | QLD   |
| YXIG/HLS | BINGARA MEDICAL                 | NSW   | YXMS/HLS | MILES HOSPITAL                 | QLD   |
| YXIH/HLS | MOUNT ISA HOSPITAL              | QLD   | YXMT/HLS | MAITLAND HOSPITAL              | NSW   |
| YXIL/HLS | COLLINGULLIE MEDICAL            | NSW   | YXMU/HLS | MULLUMBIMBY HOSPITAL           | NSW   |
| YXIP/HLS | IPSWICH HOSPITAL                | QLD   | YXMV/HLS | MONA VALE HOSPITAL             | NSW   |
| YXIS/HLS | INNISFAIL HOSPITAL              | QLD   | YXMW/HLS | MERRIWA HOSPITAL               | NSW   |
| YXIV/HLS | INVERELL HOSPITAL               | NSW   | YXMX/HLS | MINLATON HOSPITAL              | SA    |
| YXIW/HLS | INGLEWOOD HOSPITAL              | QLD   | YXMY/HLS | MORUYA HOSPITAL                | NSW   |
| YXJA/HLS | JAMISON PRIVATE HOSPITAL        | NSW   | YXMZ/HLS | MANILLA MEDICAL                | NSW   |
|          | PENRITH                         |       | YXNA/HLS | NAMBOUR HOSPITAL               | QLD   |
| YXJD/HLS | JINDABYNE MEDICAL               | NSW   | YXND/HLS | WOORABINDA HEALTH SERVICE      | QLD   |
| YXJH/HLS | JOHN HUNTER HOSPITAL            | NSW   |          |                                |       |
| YXJN/HLS | JANDOWAE HOSPITAL               | QLD   | YXNE/HLS | NEPEAN HOSPITAL                | NSW   |
| YXJU/HLS | JUNEE MEDICAL                   | NSW   | YXNH/HLS | NARRABRI HOSPITAL              | NSW   |
| YXKA/HLS | KILLARNEY HOSPITAL              | QLD   | YXNL/HLS | NORTHERN BEACHES HOSPITAL      | NSW   |
| YXKC/HLS | KINGSCOTE HOSPITAL              | SA    |          |                                |       |
| YXKD/HLS | KANDOS MEDICAL                  | NSW   | YXNM/HLS | NARROMINE MEDICAL              | NSW   |
| YXKH/HLS | KAPUNDA HOSPITAL                | SA    | YXNN/HLS | NANANGO HOSPITAL               | QLD   |
| YXKI/HLS | KILCOY HOSPITAL                 | QLD   | YXNR/HLS | NORTH RANKIN                   | WA    |
| YXKL/HLS | KILKWANA HOSPITAL               | QLD   | YXNS/HLS | ROYAL NORTH SHORE HOSPITAL     | NSW   |
| YXKN/HLS | KINGAROY HOSPITAL               | QLD   |          |                                |       |
| YXKO/HLS | KYOGLE HOSPITAL                 | NSW   | YXNT/HLS | NATURAL ARCH                   | QLD   |
| YXKP/HLS | KEDRON PARK SES BASE            | QLD   | YXNU/HLS | NUMINBAH                       | QLD   |
| YXKR/HLS | KARRATHA HEALTH CAMPUS          | WA    | YXNW/HLS | THE SHOALHAVEN HOSPITAL        | NSW   |
| YXKT/HLS | KYNETON DISTRICT HEALTH SERVICE | VIC   |          | NOWRA                          |       |
|          |                                 |       | YXNY/HLS | NELSON BAY MEDICAL             | NSW   |
| YXKW/HLS | BLACKWATER HOSPITAL             | QLD   | YXOA/HLS | COHUNA HOSPITAL                | VIC   |
| YXLA/HLS | LAIDLEY HOSPITAL                | QLD   | YXOB/HLS | COW BAY OFF SITE HELIPAD       | QLD   |
| YXLB/HLS | BARALABA HOSPITAL               | QLD   | YXOD/HLS | OATLANDS MEDICAL               | TAS   |
| YXLE/HLS | LEETON MEDICAL                  | NSW   | YXOF/HLS | COFFS HARBOUR HOSPITAL         | NSW   |
| YXLF/HLS | LATROBE HOSPITAL                | TAS   | YXOG/HLS | ORANGE BLOOMFIELD HOSPITAL     | NSW   |
| YXLG/HLS | LITHGOW MEDICAL                 | NSW   |          |                                |       |
| YXLH/HLS | LEONGATHA HOSPITAL              | VIC   | YXOH/HLS | COOLAH HOSPITAL                | NSW   |
| YXLI/HLS | LAMINGTON FITNESS CAMP          | NSW   | YXOI/HLS | BOBIN MEDICAL                  | NSW   |
| YXLL/HLS | LIVERPOOL HOSPITAL              | NSW   | YXOK/HLS | CROOKWELL RFS                  | NSW   |
| YXLM/HLS | LAMB ISLAND                     | QLD   | YXOL/HLS | CONDOBOLIN MEDICAL             | NSW   |
| YXLN/HLS | COOLAMON MEDICAL                | NSW   | YXOM/HLS | BOMBALA MEDICAL                | NSW   |
| YXLQ/HLS | LYELL MCEWIN HOSPITAL           | SA    | YXON/HLS | COONAMBLE MEDICAL              | NSW   |
| YXLR/HLS | MILLMERRAN HOSPITAL             | QLD   | YXOO/HLS | COOTAMUNDRA HOSPITAL           | NSW   |
| YXLS/HLS | LATROBE REGIONAL HOSPITAL       | VIC   | YXOR/HLS | OREILLYS                       | QLD   |
| YXLT/HLS | CABOOLTURE HOSPITAL             | QLD   | YXOS/HLS | OUSE MEDICAL                   | TAS   |
| YXLU/HLS | LAUNCESTON GENERAL HOSPITAL     | TAS   | YXOT/HLS | MONTO HOSPITAL                 | QLD   |
|          |                                 |       | YXOU/HLS | CALOUNDRA HOSPITAL             | QLD   |
| YXLX/HLS | LOXTON HOSPITAL                 | SA    | YXOW/HLS | BOWRAL MEDICAL                 | NSW   |
| YXMA/HLS | MACLEAN HOSPITAL                | NSW   | YXPA/HLS | PALEN CREEK                    | NSW   |
| YXMB/HLS | MAREEBA HOSPITAL                | QLD   | YXPC/HLS | JOYCE PALMER HEALTH SERVICE    | QLD   |
| YXMC/HLS | MACLAY ISLAND                   | QLD   |          |                                |       |
| YXMD/HLS | MOUNT DRUITT HOSPITAL           | NSW   | YXPD/HLS | PORT HEDLAND HOSPITAL          | WA    |
| YXMG/HLS | MURGON HOSPITAL                 | QLD   | YXPE/HLS | PORT PIRIE HOSPITAL            | SA    |
| YXMH/HLS | MUDGEES HOSPITAL                | NSW   | YXPH/HLS | PEAK HILL HOSPITAL             | NSW   |
| YXMI/HLS | MENINGIE HOSPITAL               | SA    | YXPI/HLS | PINDARA HOSPITAL               | QLD   |
| YXMJ/HLS | MURRAY BRIDGE HOSPITAL          | SA    | YXPK/HLS | PARKES HOSPITAL                | NSW   |
| YXMK/HLS | MACKSVILLE MEDICAL              | NSW   | YXPM/HLS | PORT MACQUARIE BASE HOSPITAL   | NSW   |

| CODE     | LOCATION                                  | STATE | CODE     | LOCATION                       | STATE |
|----------|-------------------------------------------|-------|----------|--------------------------------|-------|
| YXPN/HLS | PROSERPINE HOSPITAL                       | QLD   | YXVL/HLS | BOWRAVILLE MEDICAL             | NSW   |
| YXPO/HLS | YEPPON HOSPITAL                           | QLD   | YXWA/HLS | WARWICK HOSPITAL               | QLD   |
| YXPP/HLS | PIPELINE AUTHORITY MEDICAL<br>YOUNG       | NSW   | YXWG/HLS | WAGGA WAGGA HOSPITAL           | NSW   |
| YXPR/HLS | PORTLAND HOSPITAL                         | VIC   | YXWH/HLS | WALCHA MEDICAL                 | NSW   |
| YXPU/HLS | PORT ARTHUR MEDICAL                       | TAS   | YXWI/HLS | WERRIS CREEK MEDICAL           | NSW   |
| YXQC/HLS | QUEENSLAND CHILDREN'S<br>HOSPITAL         | QLD   | YXWK/HLS | WARKWORTH MEDICAL              | NSW   |
| YXQE/HLS | QUEEN ELIZABETH II MEDICAL<br>CENTRE      | WA    | YXWL/HLS | WOLLONGONG HOSPITAL            | NSW   |
| YXQU/HLS | QUIRINDI MEDICAL                          | NSW   | YXWM/HLS | WESTMEAD CHILDRENS<br>HOSPITAL | NSW   |
| YXRA/HLS | RANDWICK MEDICAL                          | NSW   | YXWO/HLS | WONDAI HOSPITAL                | QLD   |
| YXRD/HLS | REDLANDS BAY HOSPITAL                     | QLD   | YXWR/HLS | WALCROW MEDICAL                | NSW   |
| YXRH/HLS | TARA HOSPITAL                             | QLD   | YXWS/HLS | WESTMEAD CASB                  | NSW   |
| YXRK/HLS | ROCKHAMPTON HOSPITAL                      | QLD   | YXWT/HLS | WELLINGTON MEDICAL             | NSW   |
| YXRM/HLS | RENMARK HOSPITAL                          | SA    | YXWU/HLS | WOOLGOOLGA MEDICAL             | NSW   |
| YXRN/HLS | RYLSTONE HOSPITAL                         | NSW   | YXWV/HLS | WALLABADAH MEDICAL             | NSW   |
| YXRP/HLS | ROYAL PERTH HOSPITAL                      | WA    | YXWW/HLS | WEE WAA HOSPITAL               | NSW   |
| YXRU/HLS | RUSSELL ISLAND HLS                        | QLD   | YXWY/HLS | WYONG HOSPITAL                 | NSW   |
| YXRW/HLS | CAMBERWELL MEDICAL                        | NSW   | YXXL/HLS | BOX HILL HOSPITAL              | VIC   |
| YXSA/HLS | SYDNEY ADVENTIST HOSPITAL                 | NSW   | YXXM/HLS | MONASH CHILDREN'S<br>HOSPITAL  | VIC   |
| YXSB/HLS | SOUTHCARE BASE                            | ACT   | YXYA/HLS | YASS HOSPITAL                  | NSW   |
| YXSC/HLS | SCONE MEDICAL                             | NSW   | YXYK/HLS | YORKETOWN HOSPITAL             | SA    |
| YXSD/HLS | ST HELENS DISTRICT HOSPITAL               | TAS   | YXYO/HLS | YOUNG HOSPITAL                 | NSW   |
| YXSE/HLS | SHOALHAVEN EMERGENCY<br>MANAGEMENT CENTRE | NSW   | YXYR/HLS | AYR HOSPITAL                   | QLD   |
| YXSG/HLS | ST GEORGE HOSPITAL                        | NSW   | YYAB/ALA | YACKABINDIE                    | WA    |
| YXSH/HLS | SHELLHARBOUR HOSPITAL                     | NSW   | YYAC/ALA | YACAMUNDA                      | QLD   |
| YXSI/HLS | SINGLETON HOSPITAL                        | NSW   | YYAL/ALA | YALGOO                         | WA    |
| YXSM/HLS | ST MARYS MEDICAL                          | TAS   | YYAR/HLS | MOUNT YARRABAH                 | QLD   |
| YXSN/HLS | SYDNEY CHILDRENS HOSPITAL                 | NSW   | YYAY/ALA | YINYIKAY                       | NT    |
| YXSO/HLS | SCOTTSDALE MEDICAL                        | TAS   | YYBH/HLS | YARRABAH                       | QLD   |
| YXSP/HLS | SPRINGBROOK                               | QLD   | YYDM/ALA | YUNDAMINDRA                    | WA    |
| YXST/HLS | STANTHORPE HOSPITAL                       | QLD   | YYDN/ALA | YARRADEN                       | QLD   |
| YXSW/HLS | SWANSEA MEDICAL                           | TAS   | YYEA/ALA | YEABURN                        | VIC   |
| YXSY/HLS | STRATHALBYN HOSPITAL                      | SA    | YYEL/HLS | YELLAGONGA                     | WA    |
| YXTA/HLS | TANGALOOMA RESORT                         | QLD   | YYER/ALA | YERILLA                        | WA    |
| YXTB/HLS | TRIABUNNA MEDICAL                         | TAS   | YYGG/ALA | YAGGA YAGGA                    | WA    |
| YXTD/HLS | TRUNDLE MEDICAL                           | NSW   | YYIN/ALA | YINNIETHARRA STN               | WA    |
| YXTE/HLS | TENTERFIELD HOSPITAL                      | NSW   | YYKA/ALA | YARAKA                         | QLD   |
| YXTI/HLS | THURSDAY ISLAND HOSPITAL                  | QLD   | YYKI/AD  | YORKE ISLAND                   | QLD   |
| YXTL/HLS | TOWNSVILLE HOSPITAL                       | QLD   | YYLD/ALA | YALDA DOWNS HS                 | NSW   |
| YXTM/HLS | TAMBORINE MT                              | QLD   | YYLG/ALA | YALLALONG HS                   | WA    |
| YXTN/HLS | TANUNDA HOSPITAL                          | SA    | YYLK/ALA | YALAKUN STN                    | NT    |
| YXTO/HLS | TOOWOOMBA HOSPITAL                        | QLD   | YYLL/ALA | YELLOW BANK JUNCTION           | QLD   |
| YXTU/HLS | TULLY HOSPITAL                            | QLD   | YYLP/HLS | YARLOOP                        | WA    |
| YXTV/HLS | TWEED VALLEY HOSPITAL                     | NSW   | YYME/ALA | YARROWMERE                     | QLD   |
| YXTW/HLS | TAMWORTH HOSPITAL                         | NSW   | YYMI/ALA | YAM ISLAND                     | QLD   |
| YXTX/HLS | TEXAS MULTI PURPOSE<br>HEALTH SERVICE     | QLD   | YYND/ALA | YUENDUMU                       | NT    |
| YXUA/HLS | MILTON ULLADULLA HOSPITAL                 | NSW   | YYNG/AD  | YOUNG                          | NSW   |
| YXUB/HLS | COLUMBINE MEDICAL                         | NSW   | YYNK/HLS | YANKALLILA                     | SA    |
| YXUD/HLS | CUDAL MEDICAL                             | NSW   | YYNR/ALA | YANREY                         | WA    |
| YXUH/HLS | MACQUARIE UNIVERSITY<br>HOSPITAL          | NSW   | YYOO/ALA | YALYMBOO                       | SA    |
| YXUN/HLS | BEN BULLEN MEDICAL                        | NSW   | YYOR/ALA | YORKETOWN                      | SA    |
| YXUS/HLS | MUSWELLBROOK MEDICAL                      | NSW   | YYRM/AD  | YARRAM                         | VIC   |
| YXVH/HLS | VICTORIAN HEART HOSPITAL                  | VIC   | YYRN/ALA | YAMARNA                        | WA    |
|          |                                           |       | YYRW/ALA | YARLARWEELOE                   | WA    |
|          |                                           |       | YYTA/ALA | YALATA MISSION                 | SA    |
|          |                                           |       | YYUM/ALA | YUINMERY                       | WA    |
|          |                                           |       | YYUN/ALA | YUNTA                          | SA    |

| <i>CODE</i> | <i>LOCATION</i> | <i>STATE</i> | <i>CODE</i> | <i>LOCATION</i> | <i>STATE</i> |
|-------------|-----------------|--------------|-------------|-----------------|--------------|
| YYWA/ALA    | YOWAH           | QLD          | YZAN/ALA    | ZANTHUS         | WA           |
| YYWG/AD     | YARRAWONGA      | VIC          | YZON/ALA    | ZONE FIVE       | WA           |
| YYA/ALA     | YANDIEARRA      | WA           |             |                 |              |

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**IFR WAYPOINTS**

| <b>WAYPOINT</b> | <b>LAT</b> | <b>LONG</b> | <b>WAYPOINT</b> | <b>LAT</b> | <b>LONG</b> |
|-----------------|------------|-------------|-----------------|------------|-------------|
| ABARB           | 325106S    | 1545605E    | AKEMU           | 335645S    | 1504616E    |
| ABASS           | 343500S    | 1505636E    | AKERO           | 264227S    | 1532138E    |
| ABBEY           | 342411S    | 1510541E    | AKEVU           | 243836S    | 1472724E    |
| ABLOK           | 124304S    | 1432624E    | AKINU           | 204152S    | 1430636E    |
| ABTOD           | 325942S    | 1350800E    | AKISO           | 271415S    | 1401107E    |
| ABTOX           | 184713S    | 1471015E    | AKLAB           | 400000S    | 1453046E    |
| ABVAS           | 225618S    | 1500156E    | AKLIM           | 351058S    | 1494740E    |
| ABVOG           | 374021S    | 1443916E    | AKLOL           | 325338S    | 1520731E    |
| ABVOM           | 292038S    | 1681033E    | AKMER           | 312531S    | 1155905E    |
| ABVUV           | 123100S    | 1292600E    | AKMIR           | 341043S    | 1500624E    |
| ACKER           | 120116S    | 1321218E    | AKNEV           | 331409S    | 1491406E    |
| ACCOL           | 300000S    | 1100000E    | AKNOK           | 341136S    | 1415249E    |
| ACTIN           | 333013S    | 1380133E    | AKNON           | 273827S    | 1524243E    |
| ADBER           | 122111S    | 1305741E    | AKNUD           | 122425S    | 1312026E    |
| ADGAD           | 250000S    | 1525500E    | AKNUM           | 353355S    | 1424717E    |
| ADGET           | 273025S    | 1531943E    | AKOBA           | 264215S    | 1530344E    |
| ADKIV           | 140155S    | 1322940E    | AKOGI           | 205849S    | 1152359E    |
| ADKOP           | 234828S    | 1334839E    | AKOGU           | 163634S    | 1453322E    |
| ADKUL           | 092437S    | 1295620E    | AKPAL           | 322224S    | 1491047E    |
| ADLAG           | 183840S    | 1463816E    | AKROM           | 182114S    | 1464801E    |
| ADLEK           | 355958S    | 1464859E    | AKRUM           | 171401S    | 1192100E    |
| ADLOB           | 204810S    | 1165255E    | AKRUN           | 334236S    | 1250000E    |
| ADLOS           | 232910S    | 1501942E    | AKRUS           | 324805S    | 1515951E    |
| ADLOT           | 141000S    | 1231900E    | AKSID           | 374553S    | 1450541E    |
| ADLUR           | 233806S    | 1502757E    | AKSOS           | 330506S    | 1164658E    |
| ADMAK           | 282038S    | 1535210E    | AKTAM           | 394215S    | 1461429E    |
| ADMAR           | 301922S    | 1515443E    | AKTEG           | 330211S    | 1510029E    |
| ADNOD           | 190103S    | 1464748E    | AKTOB           | 273402S    | 1530005E    |
| ADNUK           | 264005S    | 1534826E    | AKUKO           | 090030S    | 1022106E    |
| AGAGO           | 281313S    | 1364539E    | AKUMI           | 251414S    | 1471922E    |
| AGELU           | 314954S    | 1154324E    | AKUVO           | 204316S    | 1152404E    |
| AGETA           | 300143S    | 1480742E    | AKVEM           | 273233S    | 1512812E    |
| AGIGA           | 122404S    | 1313241E    | AKVIN           | 375546S    | 1470053E    |
| AGIVA           | 272713S    | 1515600E    | AKVOG           | 281256S    | 1533218E    |
| AGONI           | 274332S    | 1523434E    | ALAKU           | 210016S    | 1201614E    |
| AGPOK           | 192300S    | 1464900E    | ALALI           | 324750S    | 1514959E    |
| AGPUD           | 263010S    | 1310748E    | ALASU           | 330000S    | 1440000E    |
| AGRAX           | 224017S    | 1415030E    | ALAXU           | 251308S    | 1493049E    |
| AGREK           | 270120S    | 1211922E    | ALBAK           | 374436S    | 1444236E    |
| AGROS           | 342500S    | 1375336E    | ALBEE           | 192242S    | 1460822E    |
| AGSAL           | 263430S    | 1531347E    | ALBIX           | 333254S    | 1280000E    |
| AGSAX           | 345558S    | 1381841E    | ALBUB           | 272456S    | 1525400E    |
| AGSEL           | 195528S    | 1094101E    | ALBUT           | 354117S    | 1392053E    |
| AGSIR           | 191209S    | 1464715E    | ALBUX           | 200116S    | 1481255E    |
| AGTEK           | 280901S    | 1533826E    | ALDAR           | 293548S    | 1521041E    |
| AGTEV           | 373149S    | 1445734E    | ALDAT           | 345632S    | 1381332E    |
| AGTOR           | 304714S    | 1490741E    | ALDEL           | 252843S    | 1180932E    |
| AGUST           | 133743S    | 1311215E    | ALDIM           | 234442S    | 1334720E    |
| AGVAL           | 122700S    | 1340600E    | ALDOP           | 350345S    | 1492257E    |
| AGVIT           | 191109S    | 1464922E    | ALEGO           | 103824S    | 1250800E    |
| AHOSK           | 404158S    | 1461237E    | ALIRA           | 180346S    | 1234846E    |
| AIDEN           | 235558S    | 1335120E    | ALLEE           | 130150S    | 1312934E    |
| AKALU           | 342230S    | 1550950E    | ALLOC           | 335436S    | 1524213E    |
| AKBUG           | 185708S    | 1462625E    | ALONE           | 270600S    | 1495330E    |
| AKDAV           | 330147S    | 1361213E    | ALPAL           | 391606S    | 1441640E    |
| AKDEL           | 375004S    | 1445208E    | ALTIR           | 323936S    | 1403012E    |

| WAYPOINT | LAT     | LONG     | WAYPOINT | LAT      | LONG     |
|----------|---------|----------|----------|----------|----------|
| ALTRO    | 330958S | 1402035E | ARANA    | 301306S  | 1394118E |
| ALULU    | 211427S | 1172051E | ARBEB    | 371006S  | 1444354E |
| ALVES    | 020000S | 0860000E | ARCHA    | 291230S  | 1680741E |
| ALWYN    | 315122S | 1160731E | ARENI    | 265550S  | 1323557E |
| AMANA    | 314528S | 1163743E | AREPA    | 343428S  | 1375111E |
| AMBLE    | 271736S | 1530542E | AREST    | 321104S  | 1455147E |
| AMELI    | 375421S | 1471404E | AREXO    | 373216S  | 1445212E |
| AMITY    | 272542S | 1533026E | AROB     | 315327S  | 1154114E |
| AMOCO    | 240000S | 1521230E | AROLI    | 290703S  | 1463703E |
| AMSTA    | 291207S | 1675623E | ARONU    | 274031S  | 1531549E |
| AMVOB    | 334345S | 1153910E | AROXO    | 132811S  | 1390340E |
| ANBAN    | 311948S | 1491614E | ARRAN    | 355015S  | 1473822E |
| ANBEL    | 372431S | 1450703E | ARTHA    | 373551S  | 1451508E |
| ANBEM    | 373122S | 1444838E | ARUMI    | 343540S  | 1172256E |
| ANDAB    | 171531S | 1324452E | ARUPU    | 121339S  | 1303705E |
| ANDEE    | 161058S | 1431408E | ARUTA    | 253230S  | 1470948E |
| ANDOP    | 162827S | 1445807E | ASEBU    | 200750S  | 1214903E |
| ANGAS    | 250758S | 1322622E | ASIKU    | 175215S  | 1221618E |
| ANGAV    | 350008S | 1382104E | ASILI    | 340007S  | 1375250E |
| ANGED    | 133556S | 1314326E | ASINO    | 1221507E | 1221507E |
| ANGEX    | 374742S | 1460528E | ASUBO    | 252348S  | 1375900E |
| ANGIB    | 350616S | 1473614E | ASUKI    | 374357S  | 1445059E |
| ANGIT    | 203626S | 1490706E | ASUMU    | 343739S  | 1480150E |
| ANIRI    | 271749S | 1533508E | ASUVA    | 330414S  | 1521226E |
| ANITA    | 323824S | 1354439E | ASWAN    | 353106S  | 1432024E |
| ANJJO    | 125611S | 1253733E | ATADO    | 280000S  | 1543000E |
| ANKED    | 272543S | 1524604E | ATATA    | 214033S  | 1213538E |
| ANKEL    | 275901S | 1182712E | ATGOD    | 351041S  | 1500202E |
| ANKUB    | 335912S | 1505835E | ATHEL    | 345600S  | 1384454E |
| ANLAR    | 150006S | 1400000E | ATIBO    | 374320S  | 1451301E |
| ANLID    | 360704S | 1480633E | ATIGU    | 422621S  | 1474118E |
| ANONA    | 125045S | 1303759E | ATIVA    | 332233S  | 1154038E |
| ANOSO    | 382609S | 1470942E | ATKEN    | 281651S  | 1533942E |
| ANPEN    | 335521S | 1502916E | ATKOM    | 411914S  | 1464443E |
| ANPUT    | 344336S | 1384147E | ATLIB    | 290726S  | 1392914E |
| ANREP    | 353424S | 1490553E | ATLID    | 274612S  | 1524822E |
| ANROM    | 294734S | 1470619E | ATLOD    | 233000S  | 1135342E |
| ANRUB    | 195921S | 1464217E | ATLOR    | 322959S  | 1513546E |
| ANSIP    | 295318S | 1370206E | ATMAL    | 120000S  | 1073530E |
| ANSOR    | 274814S | 1525155E | ATMAP    | 120000S  | 1181518E |
| ANTLA    | 400000S | 1471116E | ATNAR    | 344402S  | 1373903E |
| ANUGO    | 360311S | 1470402E | ATNAT    | 335409S  | 1543012E |
| ANUPA    | 113052S | 1295425E | ATNOL    | 373903S  | 1443920E |
| ANUXU    | 304752S | 1390541E | ATOKU    | 375814S  | 1445340E |
| ANVAC    | 350921S | 1382713E | ATOSU    | 163659S  | 1454312E |
| ANZAC    | 224447S | 1354926E | ATOTU    | 142340S  | 1321549E |
| APAGI    | 285056S | 1523507E | ATPAR    | 232043S  | 1184134E |
| APAGU    | 162120S | 1455002E | ATPER    | 373248S  | 1452718E |
| APIMA    | 203655S | 1160439E | ATPIP    | 352713S  | 1385507E |
| APISO    | 120000S | 1473624E | ATRAX    | 270605S  | 1531327E |
| APOKI    | 342649S | 1383945E | ATRET    | 340329S  | 1511218E |
| APOMA    | 295353S | 1424054E | ATROP    | 265542S  | 1535606E |
| APOVU    | 020000S | 0820000E | ATSEP    | 271628S  | 1531858E |
| APPLE    | 365539S | 1442311E | ATSIN    | 255742S  | 1443400E |
| APUKA    | 120000S | 1445740E | ATSUG    | 324518S  | 1513043E |
| APUKU    | 271201S | 1530305E | ATVAV    | 311238S  | 1503843E |
| APUSS    | 193307S | 1430108E | ATVIL    | 262536S  | 1510943E |
| ARALO    | 290854S | 1150136E | ATVON    | 271158S  | 1523702E |



| WAYPOINT | LAT     | LONG     | WAYPOINT | LAT     | LONG     |
|----------|---------|----------|----------|---------|----------|
| AUDRA    | 400000S | 1450942E | BAVUR    | 424854S | 1474309E |
| AUSGA    | 150232S | 1151126E | BAXIB    | 122015S | 1311039E |
| AVBAD    | 320141S | 1155622E | BAXMN    | 253446S | 1183428E |
| AVBEG    | 344942S | 1490232E | BAZZA    | 284458S | 1464126E |
| AVBOS    | 292415S | 1500137E | BEADS    | 313614S | 1535936E |
| AVBUR    | 350235S | 1494356E | BEBAP    | 171738S | 1220445E |
| AVDAM    | 345055S | 1383001E | BEBEK    | 422808S | 1472952E |
| AVDAN    | 160659S | 1451938E | BEBEN    | 131925S | 1315500E |
| AVDED    | 322314S | 1515535E | BEBIM    | 103840S | 0935008E |
| AVDEN    | 345838S | 1402057E | BEBOG    | 033308S | 0792559E |
| AVDIS    | 292119S | 1150646E | BEBUD    | 193849S | 1465239E |
| AVDOT    | 263631S | 1441527E | BEBUG    | 130000S | 1150848E |
| AVGEK    | 294351S | 1494933E | BEBUX    | 145548S | 1324038E |
| AVGEM    | 152125S | 1225519E | BEDAT    | 273328S | 1531248E |
| AVGIK    | 312644S | 1164431E | BEDUG    | 113453S | 1315752E |
| AVGOP    | 323953S | 1520712E | BEERN    | 271713S | 1531406E |
| AVGUM    | 413800S | 1504800E | BEETI    | 280312S | 1470518E |
| AVGUS    | 285900S | 1532920E | BEGMI    | 095000S | 1402436E |
| AVKAN    | 270200S | 1154124E | BEGVA    | 315956S | 1160610E |
| AVKAP    | 351500S | 1494002E | BEKAG    | 273657S | 1531043E |
| AVKIK    | 210026S | 1484643E | BEKED    | 205638S | 1152146E |
| AVKUT    | 325256S | 1512309E | BEKID    | 270911S | 1530113E |
| AVLAN    | 260524S | 1524400E | BEKIK    | 290610S | 1674539E |
| AVLUS    | 203954S | 1414327E | BEKKA    | 374806S | 1443026E |
| AVMAN    | 103558S | 1290920E | BELBI    | 250048S | 1200023E |
| AVMAS    | 275239S | 1173204E | BELEL    | 262804S | 1175929E |
| AVMAT    | 190530S | 1464452E | BELKI    | 114112S | 1282800E |
| AVMON    | 253004S | 1322405E | BELTA    | 372744S | 1444754E |
| AVMOV    | 334211S | 1511838E | BELUL    | 242534S | 1452609E |
| AVNAS    | 400001S | 1455300E | BELUN    | 122908S | 1304525E |
| AVNEX    | 304845S | 1155138E | BEMAN    | 272358S | 1533329E |
| AVNIB    | 323245S | 1545503E | BEMGI    | 360512S | 1471620E |
| AVNOL    | 084927S | 1315143E | BEMVU    | 195218S | 1130624E |
| AVNOV    | 233000S | 1160019E | BENBU    | 331148S | 1495854E |
| AVPAL    | 303313S | 1163754E | BENDO    | 351436S | 1393037E |
| AVPAS    | 323135S | 1374204E | BENJI    | 164606S | 1454512E |
| AVPES    | 315458S | 1152436E | BENKI    | 140000S | 1470024E |
| AVPIP    | 260549S | 1325641E | BENTA    | 143518S | 1443706E |
| AVPIX    | 373836S | 1443144E | BENVO    | 313002S | 1545917E |
| AZZAR    | 313845S | 1154328E | BEPKA    | 341114S | 1391848E |
| BAABA    | 272629S | 1531323E | BEPKU    | 174607S | 1425550E |
| BADGR    | 374306S | 1452800E | BEPNA    | 264326S | 1502558E |
| BAHBA    | 314846S | 1162000E | BEP SO   | 364824S | 1493958E |
| BAISH    | 235421S | 1342435E | BERBU    | 224736S | 1335706E |
| BAMIL    | 320532S | 1161244E | BERNI    | 285018S | 1532755E |
| BANDA    | 304759S | 1523423E | BEROW    | 333648S | 1510658E |
| BANKS    | 250112S | 1164630E | BERSI    | 163755S | 1455222E |
| BARIA    | 171248S | 1462148E | BERTI    | 274654S | 1531112E |
| BARNY    | 125002S | 1302202E | BERVU    | 345718S | 1440924E |
| BAROW    | 205150S | 1152441E | BESBO    | 254440S | 1512930E |
| BARTA    | 274428S | 1500718E | BESRO    | 351409S | 1492446E |
| BARTN    | 350335S | 1490354E | BETNI    | 273059S | 1525503E |
| BASOB    | 231234S | 1501828E | BETSO    | 270938S | 1531523E |
| BATEN    | 350034S | 1382634E | BEVSO    | 341851S | 1391059E |
| BATIR    | 200647S | 1464919E | BEYNO    | 140810S | 1330910E |
| BAVAM    | 212339S | 1492000E | BEZZA    | 305130S | 1314830E |
| BAVEX    | 141000S | 1231400E | BIARO    | 304641S | 1502629E |
| BAVOT    | 180708S | 1225441E | BIBGA    | 192204S | 1084017E |

| WAYPOINT | LAT     | LONG     | WAYPOINT | LAT     | LONG     |
|----------|---------|----------|----------|---------|----------|
| BIBRA    | 320633S | 1154834E | BOKED    | 373140S | 1581110E |
| BIBRU    | 352756S | 1492006E | BOKES    | 193700S | 1464600E |
| BIBVO    | 425934S | 1474316E | BOLAM    | 345856S | 1412810E |
| BICKL    | 263927S | 1531550E | BOLTY    | 374931S | 1445636E |
| BIDAP    | 242405S | 1231444E | BOMTA    | 185422S | 1464200E |
| BIDGI    | 353148S | 1490842E | BONES    | 161043S | 1323741E |
| BIDGU    | 265100S | 1485400E | BONEY    | 274830S | 1555430E |
| BIDKI    | 261427S | 1525716E | BONGS    | 280000S | 1100000E |
| BIDSA    | 122759S | 1313640E | BONRU    | 272617S | 1513859E |
| BIGEM    | 341052S | 1503910E | BOODA    | 290522S | 1680131E |
| BIGIX    | 273816S | 1522927E | BOOGI    | 340121S | 1510016E |
| BIGUP    | 185532S | 1231947E | BOOKA    | 320115S | 1163933E |
| BIKEP    | 270919S | 1511602E | BOOMA    | 200000S | 1504112E |
| BIKER    | 204356S | 1361402E | BOPKU    | 353257S | 1500022E |
| BIKUS    | 340020S | 1514646E | BOPLO    | 120000S | 1165506E |
| BILBI    | 271038S | 1525913E | BORAH    | 215713S | 1191331E |
| BILBY    | 304231S | 1545234E | BOREE    | 331414S | 1510238E |
| BILER    | 185355S | 1463836E | BORLI    | 341458S | 1460355E |
| BIMAV    | 232812S | 1492542E | BORPU    | 201652S | 1132437E |
| BIMBY    | 294651S | 1181427E | BORTO    | 362334S | 1404431E |
| BIMOP    | 345917S | 1381754E | BORVI    | 272248S | 1153705E |
| BIMUS    | 425233S | 1473938E | BOSGI    | 374507S | 1445112E |
| BINAG    | 290518S | 1481025E | BOSLI    | 311608S | 1173141E |
| BINOG    | 132000S | 1184000E | BOSUN    | 323137S | 1504306E |
| BINOX    | 315758S | 1153123E | BOSVU    | 272453S | 1530641E |
| BINUN    | 184801S | 1463338E | BOTGU    | 402241S | 1564645E |
| BINUP    | 272057S | 1524407E | BOVPU    | 350327S | 1382221E |
| BIPUD    | 272245S | 1530038E | BOYDI    | 184744S | 1323118E |
| BIRER    | 320418S | 1182342E | BOYSE    | 371809S | 1454010E |
| BISAB    | 320758S | 1551238E | BOYSY    | 332405S | 1503300E |
| BISEK    | 274022S | 1530234E | BRAKI    | 345725S | 1385647E |
| BITAP    | 314713S | 1150743E | BRAND    | 180103S | 1220538E |
| BITAS    | 201016S | 1475434E | BRONY    | 375622S | 1471201E |
| BITUL    | 292732S | 1475906E | BRUKA    | 350018S | 1385526E |
| BITUM    | 320706S | 1155448E | BUDGI    | 234616S | 1503017E |
| BIVAS    | 261331S | 1382324E | BUDLO    | 184706S | 1213926E |
| BIVAT    | 273231S | 1515443E | BUDMA    | 315307S | 1153128E |
| BIVED    | 425520S | 1474327E | BUGBA    | 434856S | 1630000E |
| BIXAD    | 264128S | 1531447E | BUGNI    | 335608S | 1471124E |
| BIXAV    | 354023S | 1484851E | BUGNU    | 265112S | 1531038E |
| BIXAX    | 191123S | 1465546E | BUGSO    | 271700S | 1532229E |
| BLAKA    | 281200S | 1531318E | BUGSU    | 344749S | 1382313E |
| BOBEB    | 170642S | 1442324E | BUIYA    | 260000S | 1100000E |
| BOBED    | 271552S | 1531245E | BUKBU    | 270136S | 1531420E |
| BOBEL    | 373401S | 1445452E | BUKRA    | 262733S | 1531744E |
| BOBIG    | 340610S | 1511341E | BULDA    | 381400S | 1615358E |
| BOBOP    | 285554S | 1514050E | BULGI    | 290003S | 1194015E |
| BOBUS    | 265028S | 1141048E | BULKU    | 380912S | 1460606E |
| BOCKY    | 345501S | 1382132E | BULLA    | 370440S | 1462050E |
| BODAP    | 173241S | 1461345E | BULRA    | 234615S | 1333624E |
| BODAS    | 235856S | 1334157E | BUNGL    | 302017S | 1193139E |
| BODEG    | 200737S | 1630000E | BUNGO    | 345331S | 1495120E |
| BODEP    | 413819S | 1471011E | BUNGY    | 372906S | 1381948E |
| BODOV    | 424716S | 1474758E | BUNNY    | 273249S | 1271213E |
| BOFOR    | 141400S | 1330730E | BUNPO    | 164634S | 1454604E |
| BOGES    | 365110S | 1454419E | BUPLO    | 342342S | 1385215E |
| BOGUD    | 350401S | 1474124E | BUPMO    | 130048S | 1375654E |
| BOING    | 221424S | 1271502E | BURGU    | 325811S | 1183920E |

| <b>WAYPOINT</b> | <b>LAT</b> | <b>LONG</b> | <b>WAYPOINT</b> | <b>LAT</b> | <b>LONG</b> |
|-----------------|------------|-------------|-----------------|------------|-------------|
| BURLI           | 281133S    | 1533602E    | COTON           | 273708S    | 1531300E    |
| BURNA           | 424509S    | 1472356E    | COTTS           | 315836S    | 1154042E    |
| BURNO           | 211820S    | 1492222E    | COWIE           | 274026S    | 1525206E    |
| BURPA           | 270423S    | 1525733E    | CRAVN           | 320736S    | 1514600E    |
| BUSKA           | 423750S    | 1471407E    | CREDY           | 254824S    | 1531512E    |
| BUSTO           | 235523S    | 1194705E    | CRENA           | 371624S    | 1400454E    |
| BUTON           | 212448S    | 1180506E    | CRICK           | 342930S    | 1250000E    |
| BUTPA           | 083248S    | 1293954E    | CUDGN           | 281421S    | 1533239E    |
| BUVEL           | 301848S    | 1150314E    | CULIN           | 344424S    | 1492324E    |
| BUVGA           | 360802S    | 1393904E    | CURTN           | 352058S    | 1491140E    |
| BUVIV           | 372549S    | 1450016E    | DABKO           | 273651S    | 1525633E    |
| BUVLO           | 333927S    | 1505919E    | DABMI           | 214340S    | 1450206E    |
| BUVOT           | 315403S    | 1164255E    | DABSU           | 423852S    | 1471459E    |
| BUXAM           | 360628S    | 1464457E    | DABUX           | 372713S    | 1444315E    |
| BYLLA           | 270000S    | 1100000E    | DADAD           | 400843S    | 1503506E    |
| CALAR           | 290000S    | 1364951E    | DADAN           | 272949S    | 1530859E    |
| CALIG           | 310200S    | 1162641E    | DADAR           | 020000S    | 0792706E    |
| CALTX           | 170000S    | 1493914E    | DADBO           | 235211S    | 1505120E    |
| CAMBS           | 250000S    | 1100000E    | DADER           | 364248S    | 1475401E    |
| CANNU           | 164939S    | 1454334E    | DADIS           | 231034S    | 1503508E    |
| CANTY           | 364824S    | 1443906E    | DADPI           | 141722S    | 1263758E    |
| CAPER           | 332245S    | 1505619E    | DADRU           | 344955S    | 1360000E    |
| CARBN           | 290722S    | 1465807E    | DADSI           | 315646S    | 1162341E    |
| CARMN           | 185157S    | 1461555E    | DADVA           | 310044S    | 1372050E    |
| CARSL           | 272106S    | 1530306E    | DAGAK           | 123506S    | 1321534E    |
| CARTS           | 294116S    | 1361421E    | DAGSI           | 204208S    | 1484715E    |
| CATEY           | 192825S    | 1460329E    | DAKLA           | 271422S    | 1525541E    |
| CAULI           | 262730S    | 1321148E    | DAKTI           | 122459S    | 1310905E    |
| CAWLY           | 341934S    | 1515728E    | DALAR           | 333213S    | 1510413E    |
| CBULA           | 301600S    | 1533700E    | DALEY           | 353342S    | 1491041E    |
| CESCI           | 192216S    | 1245138E    | DALOS           | 290129S    | 1673037E    |
| CHIDL           | 315246S    | 1161554E    | DALPA           | 260000S    | 1240000E    |
| CHIMU           | 373357S    | 1444750E    | DALWU           | 301441S    | 1164644E    |
| CHITT           | 361618S    | 1434118E    | DAMDA           | 272815S    | 1530324E    |
| CHOOK           | 281700S    | 1534138E    | DAMIL           | 162118S    | 1441608E    |
| CITEE           | 272812S    | 1530446E    | DAMKO           | 352244S    | 1491140E    |
| CLARY           | 350559S    | 1383621E    | DAMOB           | 314046S    | 1392118E    |
| CLEOS           | 275822S    | 1521734E    | DAMPU           | 212217S    | 1211608E    |
| CLIFT           | 203617S    | 1482727E    | DAOVO           | 025218S    | 0883542E    |
| CLUGO           | 320406S    | 1154212E    | DAPLA           | 192144S    | 1464202E    |
| COBEL           | 351006S    | 1280000E    | DAPMA           | 144330S    | 1344419E    |
| COBES           | 231654S    | 1494948E    | DAPPA           | 253524S    | 1413030E    |
| COBHI           | 314754S    | 1433100E    | DAPTU           | 271336S    | 1524817E    |
| COCKA           | 230231S    | 1493829E    | DARGI           | 335518S    | 1502512E    |
| CODIE           | 163242S    | 1453554E    | DARLY           | 374414S    | 1443746E    |
| COLDS           | 374240S    | 1452058E    | DAVEY           | 202433S    | 1454459E    |
| COLLY           | 272922S    | 1473622E    | DAYBO           | 270715S    | 1525306E    |
| COLPY           | 350211S    | 1382414E    | DAYLR           | 321606S    | 1163317E    |
| COMAC           | 333308S    | 1375104E    | DAZZA           | 212954S    | 1215918E    |
| COMLY           | 350947S    | 1390656E    | DEBAY           | 271249S    | 1531023E    |
| COOBI           | 233517S    | 1201725E    | DEBAZ           | 191736S    | 1402740E    |
| COODA           | 271058S    | 1533942E    | DEBEE           | 280534S    | 1522050E    |
| COOLA           | 251800S    | 1502205E    | DECEM           | 164605S    | 1121209E    |
| COOPA           | 314751S    | 1513155E    | DEENA           | 340624S    | 1511206E    |
| COPDI           | 293320S    | 1175629E    | DEENO           | 213509S    | 1311254E    |
| COPPA           | 354654S    | 1473454E    | DEJAY           | 285029S    | 1505344E    |
| CORAL           | 263252S    | 1531910E    | DELRU           | 320336S    | 1160430E    |
| CORRS           | 375532S    | 1453650E    | DENIS           | 273323S    | 1530805E    |

| WAYPOINT | LAT     | LONG     | WAYPOINT | LAT     | LONG     |
|----------|---------|----------|----------|---------|----------|
| DERRY    | 334317S | 1480233E | DOXIR    | 325113S | 1514522E |
| DERWY    | 345847S | 1380715E | DRADO    | 123952S | 1305201E |
| DESET    | 245042S | 1344612E | DRAIN    | 270955S | 1530504E |
| DEZZI    | 290316S | 1675744E | DRINA    | 352513S | 1391406E |
| DICKO    | 161810S | 1301823E | DUBAG    | 153248S | 0850000E |
| DIGLA    | 211817S | 1331127E | DUBOM    | 271557S | 1533334E |
| DIPLO    | 400000S | 1454100E | DUBOV    | 344222S | 1382030E |
| DIPPA    | 335729S | 1511926E | DUBSO    | 094500S | 1432518E |
| DIPSO    | 335423S | 1520419E | DUBUD    | 290030S | 1564139E |
| DISHA    | 350410S | 1390421E | DUBUS    | 360854S | 1475143E |
| DISPT    | 255557S | 1531124E | DUDEP    | 323456S | 1550237E |
| DOBGO    | 203039S | 1444358E | DUDIM    | 140523S | 1262312E |
| DOBGU    | 303649S | 1205432E | DUDIN    | 315646S | 1163249E |
| DODRO    | 230527S | 1405612E | DUDOK    | 340448S | 1510438E |
| DOGAR    | 020000S | 0875100E | DUGAD    | 380353S | 1465400E |
| DOGMI    | 410500S | 1472820E | DUGAL    | 274344S | 1533151E |
| DOGMU    | 275103S | 1531656E | DUGAM    | 123206S | 1311654E |
| DOGRO    | 350054S | 1491020E | DUGEG    | 304612S | 1144759E |
| DOGTU    | 365802S | 1515905E | DUGGI    | 363545S | 1462650E |
| DOGVO    | 315836S | 1155018E | DUGOT    | 373704S | 1450252E |
| DOKSU    | 284712S | 1381842E | DUGOV    | 223749S | 1193910E |
| DOLIB    | 203327S | 1442501E | DUKAD    | 264819S | 1501020E |
| DOLKO    | 240000S | 1525218E | DUKEL    | 262115S | 1531026E |
| DOLSU    | 270326S | 1533452E | DUKEP    | 124130S | 1314248E |
| DOLVU    | 344225S | 1383754E | DUKEV    | 291440S | 1144456E |
| DOMBO    | 273158S | 1532716E | DUKID    | 142122S | 1322158E |
| DOMOM    | 162613S | 1150758E | DUKUB    | 120000S | 1491934E |
| DOMTI    | 142507S | 1375717E | DUKUK    | 185000S | 1464500E |
| DONBU    | 353859S | 1350000E | DULCI    | 335454S | 1521518E |
| DONIC    | 332247S | 1515428E | DULIN    | 273856S | 1524325E |
| DONLO    | 185157S | 1462933E | DULOG    | 350703S | 1382601E |
| DOORA    | 315424S | 1490519E | DULUB    | 205356S | 1152312E |
| DOPTI    | 344958S | 1382750E | DUMAV    | 135627S | 1353545E |
| DOPUK    | 181434S | 1272509E | DUMIT    | 424215S | 1474346E |
| DOREN    | 373636S | 1450804E | DUMOP    | 333905S | 1510559E |
| DORKO    | 163012S | 1454103E | DUMPA    | 133905S | 1343049E |
| DORNU    | 230931S | 1501458E | DUNAN    | 211540S | 1363407E |
| DOSAM    | 165410S | 1331200E | DUNDA    | 324254S | 1215200E |
| DOSBO    | 135718S | 1325012E | DUNES    | 340136S | 1511030E |
| DOSEL    | 370954S | 1452343E | DUNNE    | 375459S | 1460715E |
| DOTAP    | 200917S | 1364326E | DUNNI    | 272849S | 1532322E |
| DOTBO    | 334818S | 1394209E | DUPUG    | 260143S | 1482753E |
| DOTLO    | 204210S | 1152733E | DUTAK    | 293012S | 1173256E |
| DOTOD    | 151424S | 1490411E | DUUKE    | 325858S | 1504753E |
| DOTOP    | 320618S | 1190448E | EAZEE    | 163323S | 1454106E |
| DOTPA    | 371446S | 1442927E | EBARR    | 310000S | 1100000E |
| DOTTE    | 184154S | 1445242E | EBONY    | 361057S | 1470414E |
| DOTUM    | 240300S | 1335410E | ECATT    | 194124S | 1405533E |
| DOTVU    | 404959S | 1450454E | ECKHO    | 393928S | 1503104E |
| DOVAR    | 344139S | 1384721E | EDPEG    | 284953S | 1513543E |
| DOVEX    | 364924S | 1474723E | EEMUE    | 352118S | 1375914E |
| DOVMI    | 263657S | 1532314E | EFFEY    | 200921S | 1464031E |
| DOVOD    | 341132S | 1404033E | EGAPU    | 322348S | 1514136E |
| DOVOM    | 284023S | 1630000E | EGARO    | 293000S | 1140000E |
| DOVPO    | 322253S | 1514724E | EGATU    | 120000S | 1160536E |
| DOVUB    | 255343S | 1442007E | EGAVI    | 182924S | 1090224E |
| DOVUT    | 365436S | 1441240E | EGEKA    | 374340S | 1450111E |
| DOXAP    | 330122S | 1515946E | EGEVO    | 330247S | 1515143E |

| WAYPOINT | LAT     | LONG     | WAYPOINT | LAT     | LONG     |
|----------|---------|----------|----------|---------|----------|
| EGOPI    | 201628S | 1453552E | EMVAS    | 112812S | 1002942E |
| EGOPO    | 340657S | 1510109E | EMVEP    | 205617S | 1151835E |
| EGUBA    | 282339S | 1503358E | EMVOM    | 331728S | 1494823E |
| EGUGO    | 235053S | 1513256E | EMVUG    | 332218S | 1514555E |
| EGUMI    | 153035S | 1280905E | ENAIID   | 272256S | 1533732E |
| EKABO    | 310355S | 1503829E | ENBAB    | 120718S | 1302613E |
| EKASA    | 352003S | 1493553E | ENBET    | 272752S | 1525354E |
| EKEGA    | 344145S | 1381546E | ENBUD    | 372332S | 1463528E |
| EKIBI    | 320022S | 1511302E | ENDET    | 182405S | 1453958E |
| EKIDA    | 315836S | 1564649E | ENDEV    | 341048S | 1511454E |
| EKIPU    | 331226S | 1514426E | ENDIS    | 344618S | 1504447E |
| EKKAS    | 380442S | 1451124E | ENDOR    | 351712S | 1492049E |
| EKOKO    | 304941S | 1373915E | ENDOV    | 240406S | 1175622E |
| EKOKU    | 161800S | 1465354E | ENDUM    | 373929S | 1450925E |
| EKULA    | 193235S | 1144104E | ENGUD    | 295934S | 1181234E |
| EKUNO    | 290046S | 1244209E | ENKIG    | 144115S | 1322424E |
| ELAPO    | 330948S | 1402706E | ENKIL    | 375634S | 1470529E |
| ELATA    | 344322S | 1390458E | ENKOG    | 273413S | 1530058E |
| ELATI    | 020000S | 0895742E | ENLIP    | 275701S | 1523451E |
| ELBIS    | 090518S | 1274342E | ENLUB    | 345808S | 1381810E |
| ELDEK    | 203259S | 1491430E | ENNGG    | 344906S | 1384954E |
| ELDID    | 292858S | 1171016E | ENPAG    | 313308S | 1471141E |
| ELDUX    | 284009S | 1533226E | ENPIM    | 375252S | 1473407E |
| ELENI    | 274233S | 1522944E | ENPIT    | 232159S | 1262918E |
| ELGAX    | 351804S | 1493115E | ENPUD    | 110954S | 1322902E |
| ELGIS    | 345937S | 1381639E | ENPUK    | 271743S | 1525604E |
| ELGOL    | 344635S | 1504507E | ENPUM    | 314927S | 1153955E |
| ELGON    | 295342S | 1361212E | ENRES    | 162646S | 1360441E |
| ELGUM    | 121644S | 1304425E | ENRIM    | 281355S | 1534640E |
| ELGUN    | 432655S | 1630000E | ENSAB    | 214130S | 1451930E |
| ELKAB    | 321530S | 1504640E | ENSEG    | 372634S | 1450022E |
| ELKAK    | 315325S | 1160328E | ENSID    | 240218S | 1154230E |
| ELKOV    | 325051S | 1515425E | ENSOM    | 192225S | 1462559E |
| ELLOW    | 245710S | 1343627E | ENSUR    | 320038S | 1153652E |
| ELMEN    | 332738S | 1505015E | ENTAL    | 282842S | 1190633E |
| ELMEP    | 324214S | 1375715E | ENTOL    | 172726S | 1405000E |
| ELMOL    | 272431S | 1414829E | ENTOV    | 361052S | 1495026E |
| ELMOR    | 400000S | 1465137E | ENTOX    | 274026S | 1530150E |
| ELMUM    | 284557S | 1391607E | ENTRA    | 333459S | 1514149E |
| ELNAX    | 263112S | 1531158E | ENTRE    | 313203S | 1305657E |
| ELNIV    | 383622S | 1473200E | ENVIR    | 323408S | 1515302E |
| ELNOT    | 160110S | 1431722E | ENVOS    | 284555S | 1165817E |
| ELONG    | 320406S | 1485636E | EPDAM    | 121801S | 1304811E |
| ELREL    | 412230S | 1471831E | EPGAG    | 164706S | 1453051E |
| ELRIM    | 333233S | 1375252E | EPGIB    | 205208S | 1152409E |
| ELROX    | 351537S | 1375402E | EPGIV    | 323923S | 1512924E |
| ELRUG    | 255523S | 1472103E | EPGUP    | 103902S | 0993306E |
| EMPUM    | 275159S | 1523529E | EPKEK    | 315152S | 1483914E |
| EMPUP    | 344813S | 1384625E | ERINA    | 305646S | 1344500E |
| EMRIG    | 373900S | 1451141E | ERITH    | 341155S | 1382638E |
| EMROT    | 324520S | 1494846E | ERVEV    | 323302S | 1520212E |
| EMSEK    | 373839S | 1445728E | ESDAM    | 192146S | 1464255E |
| EMSIT    | 270630S | 1531129E | ESDAN    | 374336S | 1445441E |
| EMSOD    | 273332S | 1514738E | ESDEG    | 291232S | 1160125E |
| EMSUP    | 220032S | 1495704E | ESDIG    | 374432S | 1434524E |
| EMSUR    | 323351S | 1502815E | ESDIT    | 204453S | 1152950E |
| EMTID    | 292346S | 1502620E | ESDOD    | 322611S | 1514502E |
| EMTUS    | 293452S | 1465705E | ESKAN    | 273958S | 1530536E |

| WAYPOINT | LAT     | LONG     | WAYPOINT | LAT     | LONG     |
|----------|---------|----------|----------|---------|----------|
| ESKUT    | 224853S | 1490708E | GEROS    | 350105S | 1545955E |
| ESLAR    | 223551S | 1482104E | GETON    | 350358S | 1384438E |
| ESLES    | 255831S | 1472326E | GIBIL    | 353351S | 1491243E |
| ESLOK    | 375246S | 1445238E | GILES    | 350018S | 1374752E |
| ESLOM    | 290212S | 1483950E | GILUM    | 113636S | 1390048E |
| ESLUB    | 271648S | 1533006E | GIPPS    | 374236S | 1480506E |
| ESMIN    | 325926S | 1193410E | GITOP    | 352541S | 1373342E |
| ESMUM    | 185944S | 1164023E | GITSM    | 204127S | 1165429E |
| ESNAB    | 380607S | 1442725E | GIVEB    | 311357S | 1192121E |
| ESNAV    | 270813S | 1524638E | GIVID    | 391412S | 1502737E |
| ESNIT    | 271321S | 1534103E | GIVOT    | 424151S | 1473506E |
| EURAD    | 273734S | 1143532E | GIXOX    | 232412S | 1501732E |
| EVFRS    | 165458S | 1454655E | GLENN    | 273430S | 1530112E |
| EVIEC    | 302120S | 1411922E | GLOBE    | 344748S | 1383355E |
| EVOKE    | 284301S | 1425658E | GOANA    | 322630S | 1540923E |
| EVONN    | 341143S | 1520152E | GOBAR    | 224505S | 1475954E |
| EXETA    | 343826S | 1501631E | GODIM    | 283530S | 1481300E |
| EXOTU    | 311317S | 1494243E | GODIP    | 120012S | 1440742E |
| EXOVA    | 340346S | 1512810E | GODUX    | 313725S | 1150818E |
| EXROM    | 392421S | 1460523E | GOGEV    | 174617S | 121338E  |
| EXXON    | 254636S | 1433906E | GOGEX    | 272727S | 1530513E |
| EYELA    | 271535S | 1502006E | GOKIB    | 302907S | 1365236E |
| EYSAW    | 192302S | 1451044E | GOKUN    | 230900S | 1502754E |
| EZDON    | 250000S | 1202954E | GOKUP    | 232027S | 1183305E |
| FAFKA    | 195706S | 1234048E | GOLOM    | 324434S | 1520721E |
| FALEE    | 344549S | 1381109E | GOLUX    | 175813S | 1175217E |
| FARMA    | 174855S | 1433512E | GOMAN    | 353836S | 1485449E |
| FASIE    | 171952S | 1431052E | GOMAP    | 224229S | 1292028E |
| FAUKS    | 282435S | 1535136E | GOMOL    | 281008S | 1533015E |
| FECTI    | 182803S | 1165413E | GOMOM    | 420910S | 1451741E |
| FENDA    | 321826S | 1154553E | GOMUB    | 335530S | 1504117E |
| FIKUL    | 282342S | 1533912E | GOMUL    | 273317S | 1352630E |
| FISHA    | 335436S | 1512236E | GONEB    | 373145S | 1471840E |
| FLATS    | 185806S | 1404948E | GOOLA    | 374849S | 1450034E |
| FLATY    | 252450S | 1545311E | GOOMA    | 330939S | 1550258E |
| FLIKI    | 400000S | 1462336E | GOONY    | 350353S | 1491225E |
| FOGGI    | 163923S | 1455334E | GOOTA    | 220138S | 1181919E |
| FONLO    | 432852S | 1574628E | GOPMI    | 132125S | 1423201E |
| FOXLO    | 353309S | 1491847E | GOPVO    | 292449S | 1492646E |
| FRAZA    | 332605S | 1355227E | GORGN    | 204335S | 1163841E |
| FREDO    | 330250S | 1515046E | GORMA    | 315149S | 1154152E |
| FYSTI    | 272234S | 1531545E | GORRI    | 272710S | 1525554E |
| GAANY    | 302620S | 1371756E | GORSO    | 274322S | 1525443E |
| GAFER    | 221751S | 1363807E | GOSKO    | 374512S | 1444345E |
| GALAH    | 350454S | 1420642E | GOSNL    | 320421S | 1160510E |
| GALON    | 303805S | 1543200E | GOSVU    | 203142S | 1490520E |
| GARTH    | 265954S | 1524530E | GOTLU    | 414820S | 1462509E |
| GASSO    | 200000S | 1512024E | GOTSI    | 192539S | 1464105E |
| GATER    | 282655S | 1554104E | GRACY    | 372050S | 1413443E |
| GATOR    | 122743S | 1314525E | GRAEM    | 271856S | 1531005E |
| GAVAS    | 322000S | 1465936E | GREAV    | 281900S | 1533811E |
| GAYLA    | 265539S | 1525212E | GREGA    | 170020S | 1324528E |
| GEDEN    | 374312S | 1450054E | GRIGS    | 345435S | 1384320E |
| GEKKO    | 211209S | 1315024E | GROOK    | 341204S | 1511359E |
| GEMAC    | 381326S | 1501930E | GUBVO    | 175348S | 1253636E |
| GEORG    | 350340S | 1493012E | GUDSO    | 261645S | 1530614E |
| GEPEC    | 274612S | 1523229E | GUDUG    | 070436S | 0750000E |
| GERBL    | 273430S | 1522538E | GUGAB    | 294107S | 1394959E |

| WAYPOINT | LAT     | LONG     | WAYPOINT | LAT     | LONG     |
|----------|---------|----------|----------|---------|----------|
| GUGAN    | 192934S | 1465104E | HENDO    | 171315S | 1455416E |
| GUGED    | 281701S | 1533155E | HERNE    | 314949S | 1160342E |
| GUGMA    | 353448S | 1390104E | HEWIT    | 423001S | 1505529E |
| GUGON    | 323012S | 0750000E | HIDOT    | 321249S | 1162720E |
| GUGRA    | 212336S | 1162542E | HIINE    | 284956S | 1342224E |
| GUGTI    | 345355S | 1383615E | HILAR    | 313843S | 1482910E |
| GUGUK    | 145629S | 1385236E | HIMOD    | 344821S | 1384100E |
| GUKEL    | 163913S | 1223438E | HINDS    | 304742S | 1163216E |
| GUKON    | 225621S | 1213054E | HIPPO    | 352755S | 1492307E |
| GUKVI    | 161454S | 1341536E | HIRST    | 345438S | 1385652E |
| GULEB    | 422933S | 1472323E | HOBBO    | 120000S | 1530933E |
| GULFF    | 142200S | 1400000E | HODDA    | 131604S | 1315756E |
| GULFS    | 345111S | 1380808E | HOKOR    | 133718S | 1380000E |
| GULNU    | 391901S | 1443535E | HOLIT    | 342757S | 1382123E |
| GULOP    | 154912S | 1415522E | HONEY    | 353555S | 1490345E |
| GULUM    | 231313S | 1282749E | HONGI    | 212957S | 1312124E |
| GUMAP    | 305202S | 1475354E | HOODY    | 342454S | 1193436E |
| GUMBA    | 274408S | 1514820E | HOOLI    | 215652S | 1180744E |
| GUMKI    | 271113S | 1535133E | HOORN    | 205052S | 1163250E |
| GUMUR    | 123103S | 1305531E | HOPLA    | 373912S | 1444143E |
| GUMUT    | 192037S | 1470823E | HORSH    | 374336S | 1445055E |
| GUNAM    | 144202S | 1251213E | HORUS    | 372642S | 1450945E |
| GUNGN    | 315813S | 1160759E | HOTTA    | 222936S | 1425812E |
| GUNOK    | 313317S | 1160728E | HOVEA    | 315242S | 1160454E |
| GUNRO    | 163550S | 1453721E | HOWLY    | 344600S | 1473636E |
| GUNTA    | 331212S | 1512819E | HUMOK    | 311912S | 1472800E |
| GUPDA    | 152655S | 1451114E | HUUGO    | 280523S | 1525529E |
| GUPOD    | 121857S | 1305102E | IBABI    | 333751S | 1410051E |
| GUPOM    | 211009S | 1162250E | IBADI    | 324444S | 1515727E |
| GUPOX    | 164454S | 0800000E | IBARU    | 373320S | 1452727E |
| GUPUG    | 373849S | 1443530E | IBIMU    | 273450S | 1533536E |
| GURAB    | 333856S | 1152527E | IBOBO    | 381715S | 1422713E |
| GUSNI    | 281223S | 1503317E | IBOMU    | 122353S | 1321606E |
| GUSNU    | 125411S | 1293758E | IBORI    | 221644S | 1471218E |
| GUSPU    | 341415S | 1510251E | IBOVU    | 351407S | 1441830E |
| GUTEV    | 080424S | 1311936E | IBUNA    | 270328S | 1522832E |
| GUTIV    | 335439S | 1530614E | IBUNO    | 190000S | 1464900E |
| GUTLI    | 240637S | 1164750E | IBUPA    | 244838S | 1180633E |
| GUTMO    | 350924S | 1491236E | IBUSU    | 160438S | 1361818E |
| GUTTA    | 271044S | 1530743E | IBUXI    | 184121S | 1463041E |
| GUPIX    | 264403S | 1532146E | IDANU    | 264058S | 1354346E |
| GUUNA    | 230200S | 1184125E | IDBIM    | 340029S | 1511444E |
| GUXIB    | 233809S | 1593048E | IDBUG    | 294022S | 1483941E |
| HAAKE    | 345445S | 1382013E | IDELU    | 113545S | 1362148E |
| HAABI    | 251927S | 1525259E | IDETU    | 161153S | 1442011E |
| HAIGH    | 314800S | 1160021E | IDEVI    | 061300S | 0831854E |
| HALAS    | 335053S | 1511544E | IDGIB    | 304509S | 1212036E |
| HAPPI    | 345749S | 1480135E | IDGIG    | 311918S | 1481835E |
| HARBY    | 314351S | 1152028E | IDIDI    | 321147S | 1493229E |
| HARMN    | 321012S | 1155354E | IDKEG    | 292647S | 1420329E |
| HARRO    | 374658S | 1451647E | IDKOS    | 271548S | 1533635E |
| HARVS    | 254300S | 1560401E | IDLEG    | 260848S | 1505451E |
| HAYCO    | 320824S | 1154206E | IDLUD    | 121539S | 1304105E |
| HAYES    | 373306S | 1451412E | IDMIG    | 142254S | 1321655E |
| HAZOS    | 302347S | 1374043E | IDMIK    | 212100S | 1163258E |
| HEALE    | 130848S | 1400000E | IDNER    | 285228S | 1530253E |
| HECTO    | 330018S | 1203054E | IDNOB    | 310148S | 1484808E |
| HELLI    | 131435S | 1294937E | IDNUT    | 313135S | 1432229E |

| WAYPOINT | LAT     | LONG     | WAYPOINT | LAT     | LONG     |
|----------|---------|----------|----------|---------|----------|
| IDODA    | 292646S | 1450215E | IGUVI    | 132702S | 1331432E |
| IDOGI    | 305035S | 1502740E | IKABI    | 193423S | 1393444E |
| IDOKU    | 181533S | 1110651E | IKANO    | 375744S | 1442849E |
| IDOTO    | 113106S | 1263848E | IKASA    | 200000S | 1032910E |
| IDPAT    | 274335S | 1531720E | IKASO    | 132607S | 1281140E |
| IDPEP    | 324128S | 1513321E | IKEBU    | 325227S | 1514702E |
| IDPIL    | 143823S | 1322947E | IKEKO    | 283300S | 1515748E |
| IDRAS    | 271601S | 1534730E | IKELI    | 273221S | 1524009E |
| IDRET    | 262935S | 1385128E | IKEMI    | 332122S | 1313000E |
| IDRIL    | 274152S | 1533425E | IKETU    | 423443S | 1470936E |
| IDRIM    | 234935S | 1162244E | IKEVA    | 291257S | 1164112E |
| IDRUG    | 425217S | 1474503E | IKEXO    | 103640S | 1044906E |
| IDSAX    | 324448S | 1515705E | IKIMO    | 325138S | 1514202E |
| IDSEB    | 320706S | 1513740E | IKISA    | 262921S | 1531701E |
| IDSOM    | 325938S | 1513535E | IKIVU    | 345318S | 1381111E |
| IDSOR    | 424632S | 1472548E | IKOBI    | 423143S | 1470952E |
| IDSUP    | 325611S | 1500103E | IKODA    | 163724S | 1572654E |
| IDUSO    | 290111S | 1371842E | IKOLA    | 192412S | 1414100E |
| IFFEY    | 315734S | 1542131E | IKOMI    | 134800S | 1433700E |
| IGALA    | 335046S | 1510900E | IKUMA    | 102548S | 1270806E |
| IGARU    | 272514S | 1531642E | IMATI    | 272920S | 1522334E |
| IGASO    | 263818S | 1164404E | INDEE    | 280443S | 1533058E |
| IGBAK    | 324847S | 1512628E | INGMA    | 360603S | 1600146E |
| IGBER    | 204504S | 1152638E | INOKE    | 320200S | 1511929E |
| IGBIK    | 191451S | 1463549E | INTOG    | 353900S | 1390423E |
| IGBIR    | 125255S | 1311753E | INVIX    | 313959S | 1170511E |
| IGBON    | 270622S | 1530707E | INVUS    | 335432S | 1534428E |
| IGBOV    | 122838S | 1304353E | IPDIG    | 315903S | 1155231E |
| IGDAM    | 322955S | 1505445E | IPGAV    | 271952S | 1534116E |
| IGDEB    | 233326S | 1332257E | IPGOK    | 310445S | 1480736E |
| IGDEL    | 351538S | 1484003E | IPGUX    | 322629S | 1514328E |
| IGDIT    | 292522S | 1483501E | IPLAV    | 174504S | 1393154E |
| IGIKI    | 180319S | 1461352E | IPLER    | 422053S | 1474649E |
| IGIPA    | 334438S | 1414900E | IPLOP    | 364455S | 1490021E |
| IGLAP    | 282527S | 1535930E | IPMAD    | 254936S | 1453006E |
| IGLUM    | 325417S | 1513341E | IPMED    | 323907S | 1513804E |
| IGLUT    | 215629S | 1153431E | IPMOR    | 315215S | 1153142E |
| IGMAS    | 271434S | 1524710E | IPNET    | 225043S | 1500545E |
| IGMET    | 351109S | 1484822E | IPRAM    | 295339S | 1452904E |
| IGMIL    | 351729S | 1461055E | IPRIS    | 214424S | 1135212E |
| IGMOB    | 322533S | 1513629E | IRMEL    | 274725S | 1533020E |
| IGMOL    | 163056S | 1453757E | IRMOX    | 264610S | 1503701E |
| IGMUP    | 325543S | 1515133E | IRNOD    | 313840S | 1151256E |
| IGNES    | 374634S | 1443042E | IRPES    | 323600S | 1512759E |
| IGNIX    | 241847S | 1444537E | IRPOD    | 280117S | 1532454E |
| IGNOM    | 312956S | 1154106E | IRPOM    | 140936S | 1283612E |
| IGNUL    | 125800S | 1435800E | IRSIL    | 310716S | 1483857E |
| IGNUV    | 323751S | 1515531E | IRSOM    | 411012S | 1462603E |
| IGOLO    | 263105S | 1530107E | IRTAV    | 181056S | 1234725E |
| IGOMU    | 280100S | 1532534E | IRTED    | 272800S | 1534415E |
| IGOPO    | 115640S | 1340706E | IRVAK    | 373049S | 1434726E |
| IGORU    | 205919S | 1152020E | IRVIT    | 315206S | 1470548E |
| IGPEB    | 351607S | 1451745E | IRVUL    | 270714S | 1531428E |
| IGPIV    | 273725S | 1531558E | ISAAK    | 222254S | 1484030E |
| IGPON    | 374014S | 1451302E | ISBEX    | 342218S | 1505936E |
| IGUBO    | 113546S | 1032033E | ISDOR    | 260754S | 1173223E |
| IGUPI    | 262849S | 1515542E | ISDUS    | 323919S | 1514341E |
| IGURI    | 360517S | 1465057E | ISGEL    | 312242S | 1452007E |



| WAYPOINT | LAT     | LONG     | WAYPOINT | LAT     | LONG     |
|----------|---------|----------|----------|---------|----------|
| ISGOX    | 223821S | 1170214E | JELLI    | 335338S | 1512243E |
| ISKAN    | 165234S | 1175815E | JEMMA    | 194911S | 1471130E |
| ISKIM    | 293057S | 1513947E | JENTL    | 334840S | 1510918E |
| ISKOT    | 344050S | 1381650E | JEZZA    | 272206S | 1530628E |
| ISLAV    | 325138S | 1322048E | JILGO    | 250000S | 1191056E |
| ISLIP    | 221739S | 1192612E | JIRRA    | 234315S | 1340836E |
| ISMER    | 334525S | 1504950E | JITRA    | 230806S | 1501901E |
| ISMIR    | 413910S | 1471812E | JNORT    | 181019S | 1222414E |
| ISMOR    | 283011S | 1311149E | JOKER    | 312500S | 1515148E |
| ISMUD    | 093746S | 1262700E | JOLLY    | 230000S | 1100000E |
| ISMUM    | 332940S | 1514332E | JORDY    | 322333S | 1544112E |
| ISMUN    | 181740S | 1433257E | JOSBU    | 330813S | 1164024E |
| ISNER    | 174105S | 1454810E | JOSHU    | 134543S | 1305622E |
| ISNOL    | 342312S | 1485832E | JOSSO    | 381554S | 1470630E |
| ISNUG    | 324119S | 1461446E | JUGGL    | 205503S | 1253928E |
| ISPEG    | 374312S | 1443612E | JULES    | 150931S | 1304633E |
| ISPET    | 320100S | 1154448E | JULIA    | 341457S | 1511931E |
| ISPID    | 141051S | 1511040E | JULIE    | 114746S | 1294213E |
| ISPON    | 271144S | 1532453E | JULIM    | 312459S | 1161738E |
| ISRAK    | 210445S | 1163210E | JULUP    | 133313S | 1301026E |
| ISRAN    | 114300S | 1063306E | JUSAN    | 124820S | 0993757E |
| ISRED    | 335306S | 1313000E | JUSTY    | 375602S | 1443422E |
| ISREV    | 322822S | 1504857E | KABEK    | 332319S | 1392440E |
| ISROV    | 331854S | 1385650E | KABIX    | 301723S | 1473217E |
| ISRUP    | 314139S | 1161317E | KABLI    | 321050S | 1165400E |
| ISTEM    | 243551S | 1602300E | KABLO    | 340417S | 1503604E |
| ISTIG    | 425016S | 1473923E | KABRO    | 251908S | 1192522E |
| ISVAN    | 271318S | 1525602E | KABTA    | 055430S | 0790000E |
| ISVUP    | 324629S | 1513209E | KACEY    | 352637S | 1465332E |
| ITBAP    | 205927S | 1132554E | KADAP    | 020000S | 0840936E |
| ITIDE    | 264407S | 1532924E | KADBA    | 261242S | 1325208E |
| ITORT    | 191807S | 1460736E | KADEM    | 174854S | 0750000E |
| ITSMA    | 174925S | 1321606E | KADLU    | 245321S | 1145150E |
| ITTSA    | 123633S | 1311159E | KADMU    | 190551S | 1433939E |
| IVPEM    | 323136S | 1280000E | KADOM    | 334239S | 1501759E |
| IVPEN    | 232346S | 1254150E | KADON    | 425557S | 1473845E |
| IVRAD    | 264931S | 1450509E | KADPA    | 333608S | 1485717E |
| IVRAX    | 360857S | 1465947E | KADRU    | 381407S | 1475207E |
| IVSES    | 324150S | 1515436E | KADSI    | 310330S | 1524724E |
| IVSUD    | 203227S | 1490434E | KADUN    | 222100S | 1215106E |
| IVTAG    | 330217S | 1514528E | KADUV    | 320136S | 1451905E |
| IVTET    | 310926S | 1500357E | KAGBU    | 190555S | 1230634E |
| JAAPI    | 281832S | 1533553E | KAGDI    | 230352S | 1151620E |
| JACKA    | 384612S | 1451548E | KAGES    | 185739S | 1470454E |
| JACKI    | 120845S | 1293426E | KAGIT    | 333332S | 1151831E |
| JADEL    | 373348S | 1445706E | KAGMI    | 314457S | 1145428E |
| JAFFA    | 312230S | 1514136E | KAGRI    | 412754S | 1575001E |
| JAKLN    | 340849S | 1512224E | KAGRO    | 332745S | 1373405E |
| JAMBO    | 325136S | 1240000E | KAKAG    | 164825S | 1455017E |
| JAMMO    | 371639S | 1504716E | KAKAL    | 141806S | 1340424E |
| JANDO    | 320530S | 1155515E | KAKDO    | 290558S | 1222711E |
| JANGU    | 384554S | 1484130E | KAKEB    | 271646S | 1532405E |
| JARJA    | 325640S | 1513024E | KAKLU    | 344636S | 1392444E |
| JATAR    | 162639S | 1252821E | KAKMA    | 290113S | 1675403E |
| JAVVI    | 020000S | 0850000E | KAKRO    | 192342S | 1463406E |
| JAYBI    | 373828S | 1443203E | KAKTU    | 184514S | 1384211E |
| JAYDE    | 290428S | 1531455E | KAKVI    | 281729S | 1535344E |
| JEDDA    | 270926S | 1515710E | KAKVU    | 333747S | 1171446E |

| WAYPOINT | LAT     | LONG     | WAYPOINT | LAT     | LONG     |
|----------|---------|----------|----------|---------|----------|
| KALBA    | 185702S | 1460144E | KEXAR    | 322817S | 1512444E |
| KALBI    | 085218S | 0750000E | KEXIM    | 222449S | 1295021E |
| KALBO    | 314840S | 1151620E | KIBAT    | 285805S | 1551854E |
| KALKA    | 353150S | 1490905E | KIBET    | 123929S | 1325336E |
| KALSA    | 232639S | 1190843E | KIBOP    | 175811S | 1450650E |
| KALTO    | 270358S | 1533520E | KIDEX    | 275936S | 1434854E |
| KALUG    | 255400S | 1364330E | KIGAG    | 381605S | 1471707E |
| KALUV    | 232500S | 1163500E | KIGOS    | 124131S | 1304358E |
| KALVI    | 195023S | 1451751E | KIKAN    | 212152S | 1340324E |
| KAMBA    | 332941S | 1512557E | KIKEM    | 095254S | 1260724E |
| KAMBI    | 340806S | 1352023E | KIKEX    | 372930S | 1445648E |
| KAMSO    | 123545S | 1305927E | KIKOV    | 350444S | 1385551E |
| KAMUN    | 033018S | 0805330E | KILEL    | 230930S | 1164624E |
| KANBU    | 231048S | 1492900E | KILIK    | 111013S | 1264812E |
| KANGI    | 235831S | 1453103E | KIMMI    | 143850S | 1443009E |
| KANKO    | 262823S | 1490433E | KIPPA    | 200441S | 1431342E |
| KANLI    | 421921S | 1472356E | KITTY    | 122945S | 1305133E |
| KANLU    | 244248S | 1502312E | KLAVA    | 341145S | 1383026E |
| KANRA    | 204757S | 1152543E | KNOBL    | 345547S | 1383333E |
| KANRO    | 425345S | 1473712E | KNOPL    | 283510S | 1235717E |
| KAPGA    | 225808S | 1184849E | KOIKI    | 320754S | 1161337E |
| KAPNI    | 185645S | 1221958E | KOOKA    | 154250S | 1432534E |
| KAPSO    | 120000S | 1464300E | KOOLI    | 122411S | 1310639E |
| KAPSU    | 282414S | 1240936E | KOORI    | 315134S | 1160703E |
| KARGO    | 320409S | 1160604E | KOUPA    | 272002S | 1531421E |
| KASBA    | 273421S | 1531047E | KRATT    | 245012S | 1502000E |
| KASBU    | 350929S | 1384117E | KROWS    | 364954S | 1371542E |
| KASGU    | 263834S | 1530732E | KURRT    | 385418S | 1502456E |
| KASLI    | 341237S | 1415844E | KVALM    | 192026S | 1464316E |
| KASNA    | 164349S | 1454056E | KYEMA    | 320842S | 1163730E |
| KASNO    | 281911S | 1533722E | LABOR    | 282814S | 1422836E |
| KASPA    | 254847S | 1523210E | LACEY    | 373305S | 1453013E |
| KASPI    | 163606S | 1454630E | LADEP    | 304952S | 1213515E |
| KASRU    | 175705S | 1221413E | LADUR    | 314400S | 1601430E |
| KATCM    | 310918S | 1172709E | LAGEV    | 273829S | 1531906E |
| KATIA    | 352948S | 1491141E | LAGOB    | 274541S | 1532004E |
| KAYOK    | 274431S | 1162601E | LAGUG    | 372912S | 1445814E |
| KEATS    | 353236S | 1485247E | LAKAV    | 284327S | 1175749E |
| KEBAB    | 331621S | 1542934E | LAKEP    | 373342S | 1444912E |
| KEDDY    | 343434S | 1492734E | LAKIR    | 313319S | 1165242E |
| KEEFO    | 345801S | 1381650E | LAKMO    | 294915S | 1173818E |
| KEELA    | 374430S | 1444718E | LAKOT    | 213024S | 1453422E |
| KEEWI    | 164548S | 1455600E | LAKUP    | 130610S | 1312240E |
| KEGAN    | 280110S | 1533517E | LALIB    | 320205S | 1504952E |
| KELAN    | 375703S | 1472424E | LALIS    | 233245S | 1503829E |
| KELLA    | 313255S | 1173922E | LAMAP    | 140000S | 1591000E |
| KELLY    | 354149S | 1485115E | LAMEK    | 180917S | 1500235E |
| KELPI    | 223410S | 1513512E | LAMIG    | 352109S | 1491540E |
| KELTA    | 345943S | 1381949E | LAMOB    | 120000S | 1085300E |
| KELVN    | 130924S | 1363742E | LAMSI    | 282628S | 1541138E |
| KEPPA    | 364748S | 1435833E | LAMUG    | 263802S | 1522256E |
| KERIN    | 161236S | 1411742E | LANIK    | 291815S | 1234638E |
| KERRI    | 280911S | 1533718E | LANOL    | 333633S | 1511159E |
| KETEN    | 250417S | 1520128E | LANOP    | 271853S | 1265356E |
| KEVEK    | 374956S | 1444416E | LANOS    | 371702S | 1472227E |
| KEVIE    | 271809S | 1524618E | LANUN    | 380036S | 1430648E |
| KEVIG    | 370547S | 1450302E | LANYO    | 353017S | 1490112E |
| KEVIN    | 340812S | 1512217E | LAPAR    | 122808S | 1310235E |

| WAYPOINT | LAT     | LONG     | WAYPOINT | LAT     | LONG     |
|----------|---------|----------|----------|---------|----------|
| LAPES    | 193704S | 1465722E | LEPTA    | 270412S | 1451542E |
| LAPIP    | 270003S | 1555446E | LERGU    | 193420S | 1383446E |
| LAPOG    | 204625S | 1163733E | LERKI    | 222848S | 1493500E |
| LARAB    | 120404S | 1291133E | LERKO    | 375842S | 1462538E |
| LAREG    | 283133S | 1514922E | LESKO    | 265252S | 1533544E |
| LAREX    | 380901S | 1473436E | LESON    | 350312S | 1313000E |
| LAROO    | 311642S | 1395242E | LEVKA    | 310907S | 1153038E |
| LAROS    | 292851S | 1543942E | LEVPU    | 261726S | 1514901E |
| LASEL    | 193442S | 1461347E | LEVRI    | 132610S | 1300047E |
| LASOL    | 372445S | 1444722E | LEYOX    | 341518S | 1440518E |
| LASUD    | 320343S | 1485234E | LIBMU    | 323623S | 1515820E |
| LATAP    | 330631S | 1374657E | LIBNI    | 322136S | 1381106E |
| LATEP    | 061018S | 0750000E | LIBTU    | 200501S | 1261252E |
| LATOG    | 231447S | 1370256E | LIDBU    | 244525S | 1443301E |
| LATOX    | 132656S | 1092316E | LIDGI    | 320230S | 1152858E |
| LATTA    | 380736S | 1450418E | LIDIT    | 091800S | 1422000E |
| LATUL    | 345021S | 1381505E | LIDLI    | 334614S | 1493558E |
| LATUM    | 421128S | 1472202E | LIDPO    | 275208S | 1525243E |
| LATUT    | 322849S | 1520005E | LIDVU    | 380815S | 1472805E |
| LAVEG    | 264441S | 1524541E | LIGNU    | 345836S | 1494047E |
| LAVER    | 374912S | 1444342E | LIKTO    | 265154S | 1502338E |
| LAVEX    | 315327S | 1165610E | LILEE    | 273656S | 1530642E |
| LAVIN    | 270754S | 1531501E | LILMI    | 374229S | 1443654E |
| LAVOP    | 430102S | 1473659E | LIMLI    | 314941S | 1370430E |
| LAVUP    | 165611S | 1455905E | LIMLO    | 331250S | 1515146E |
| LAWNN    | 271724S | 1525824E | LINBO    | 191506S | 1472718E |
| LAWRY    | 270040S | 1502150E | LINSU    | 203529S | 1474706E |
| LAXOG    | 225734S | 1501059E | LIPLU    | 312527S | 1380714E |
| LAXOT    | 413900S | 1464418E | LIRRI    | 271939S | 1200100E |
| LAXUM    | 321945S | 1514129E | LISZT    | 233958S | 1333835E |
| LAYUP    | 303941S | 1474441E | LITEL    | 183430S | 1380030E |
| LEAKY    | 271603S | 1532022E | LIZZI    | 372702S | 1453817E |
| LEBAD    | 171253S | 1454120E | LLAMA    | 311736S | 1475006E |
| LEBIT    | 264813S | 1515627E | LOAFA    | 250205S | 1520639E |
| LEBOT    | 190431S | 1465557E | LOCKA    | 160125S | 1453629E |
| LEDET    | 371901S | 1470751E | LOFFA    | 274900S | 1501118E |
| LEDIX    | 314625S | 1493634E | LOGOL    | 211025S | 1164405E |
| LEDOG    | 190832S | 1463903E | LOKYA    | 325341S | 1503404E |
| LEDON    | 275010S | 1532644E | LOLLS    | 361404S | 1410000E |
| LEDUS    | 205650S | 1490156E | LONLY    | 351112S | 1350000E |
| LEEAM    | 235234S | 1541502E | LOSKU    | 302933S | 1522133E |
| LEECE    | 350315S | 1495737E | LOSPI    | 310818S | 1480606E |
| LEEFL    | 254543S | 1530909E | LOTGI    | 343900S | 1280000E |
| LEGAN    | 363125S | 1630000E | LOTMA    | 280757S | 1534459E |
| LEGUL    | 123440S | 1305229E | LOTVA    | 170430S | 1460524E |
| LEKAD    | 215521S | 1303934E | LOTVI    | 194859S | 1212053E |
| LEKEM    | 375419S | 1471249E | LOVMA    | 044910S | 0755323E |
| LELED    | 111636S | 0750000E | LOVRI    | 284623S | 1533839E |
| LEMAT    | 350629S | 1382817E | LOWDI    | 333124S | 1493648E |
| LEMER    | 230434S | 1493732E | LOWEP    | 330408S | 1511347E |
| LEMIR    | 300332S | 1210139E | LUCRE    | 341318S | 1250000E |
| LEMUD    | 184141S | 1373416E | LUDPU    | 123046S | 1311027E |
| LEMUK    | 424107S | 1474410E | LUDVO    | 315052S | 1155105E |
| LEMUX    | 121225S | 1304716E | LUGDO    | 272942S | 1514308E |
| LENBA    | 181651S | 1453836E | LUGSA    | 220801S | 1301830E |
| LENNY    | 320024S | 1154748E | LUKEY    | 273501S | 1513937E |
| LENRI    | 281515S | 1591019E | LUKPU    | 224623S | 1473730E |
| LENVU    | 320601S | 1174251E | LULDI    | 175409S | 1221237E |

| WAYPOINT | LAT     | LONG     | WAYPOINT | LAT     | LONG     |
|----------|---------|----------|----------|---------|----------|
| LULMI    | 140000S | 1420900E | MASIM    | 181233S | 1221546E |
| LULTO    | 362557S | 1425205E | MASMI    | 294020S | 1514142E |
| LUMDA    | 205442S | 1152551E | MASRA    | 121337S | 1321513E |
| LUMVA    | 205840S | 1490851E | MATAR    | 220619S | 1461850E |
| LUSTU    | 372309S | 1451418E | MATBO    | 273437S | 1525638E |
| LUTKO    | 270118S | 1525929E | MATJI    | 320331S | 1161432E |
| LUTSI    | 272617S | 1530431E | MATKU    | 374001S | 1445538E |
| LUTUK    | 384014S | 1465955E | MATLA    | 324518S | 1513155E |
| LUTVU    | 362517S | 1461816E | MATMA    | 241954S | 1351236E |
| LUVAS    | 371821S | 1455451E | MATTI    | 264527S | 1530841E |
| LUVAV    | 243631S | 1322950E | MATVI    | 271501S | 1511208E |
| LUVKA    | 373040S | 1445738E | MAVGA    | 272446S | 1532603E |
| LUVLY    | 280845S | 1532939E | MAVTO    | 360450S | 1401503E |
| LUVNA    | 271044S | 1530853E | MAXAL    | 372654S | 1452502E |
| LUVOK    | 343053S | 1364653E | MAXEM    | 343806S | 1423321E |
| LUXAV    | 263857S | 1531804E | MAXXI    | 123027S | 1261327E |
| LUXUP    | 332554S | 1491220E | MAYSO    | 274129S | 1525737E |
| LYNDN    | 233000S | 1151058E | MCLOY    | 205532S | 1164009E |
| LYNSO    | 244855S | 1150000E | MEBAH    | 301324S | 1353300E |
| LYSMO    | 331008S | 1454527E | MEBKA    | 164000S | 1091200E |
| MABAM    | 123038S | 1310708E | MEECE    | 333736S | 1393806E |
| MACLA    | 301021S | 1430725E | MEEGA    | 334358S | 1493310E |
| MADLU    | 222400S | 1412536E | MEETA    | 280710S | 1533232E |
| MAGGS    | 405203S | 1463403E | MEGOL    | 213212S | 1414824E |
| MAGPI    | 250852S | 1515316E | MEGUB    | 273514S | 1532015E |
| MAGRA    | 222535S | 1492228E | MEKAD    | 132350S | 1524202E |
| MAIDS    | 280831S | 1533337E | MEKOD    | 323036S | 1505800E |
| MAITE    | 373850S | 1451543E | MEKOG    | 123200S | 1400000E |
| MAJAR    | 334938S | 1511723E | MEKON    | 350703S | 1485648E |
| MAJOR    | 351314S | 1485559E | MEKUG    | 274839S | 1532548E |
| MAKIV    | 353307S | 1445706E | MELAN    | 180951S | 1223735E |
| MAKKA    | 342551S | 1492005E | MEMEG    | 374834S | 1443843E |
| MAKNI    | 101852S | 1253331E | MEMIG    | 142218S | 1452020E |
| MAKON    | 120110S | 1353415E | MEMON    | 205458S | 1181229E |
| MAKOR    | 330644S | 1510821E | MEMOS    | 145903S | 1440032E |
| MAKRL    | 382952S | 1482528E | MEMOV    | 301151S | 1405759E |
| MAKRU    | 273144S | 1532950E | MEMUP    | 334512S | 1205230E |
| MALAN    | 175646S | 1221301E | MENEN    | 263452S | 1515029E |
| MALBI    | 142959S | 1082704E | MENIG    | 264434S | 1391754E |
| MALIK    | 344730S | 1383614E | MENOB    | 121853S | 1310224E |
| MALNU    | 314653S | 1250000E | MENOG    | 380805S | 1443828E |
| MALUP    | 322150S | 1173922E | MENZI    | 353149S | 1491140E |
| MAMAG    | 200729S | 1484556E | MEPAB    | 212250S | 1630000E |
| MAMUB    | 231639S | 1183454E | MEPAS    | 195453S | 1380701E |
| MAMUT    | 162546S | 1262553E | MEPEM    | 262554S | 1554357E |
| MANDA    | 351735S | 1483506E | MEPIL    | 332410S | 1511241E |
| MANFA    | 340234S | 1512046E | MEPUX    | 200806S | 1180311E |
| MANIG    | 305116S | 1170956E | MERIB    | 300400S | 1124506E |
| MANSA    | 240918S | 1432812E | MERME    | 211744S | 1121520E |
| MAPTU    | 152004S | 1162153E | MESAM    | 321148S | 1160839E |
| MARGO    | 342450S | 1380219E | MESED    | 271837S | 1515128E |
| MARIT    | 260050S | 1282735E | MESER    | 334405S | 1372715E |
| MARKY    | 332525S | 1504810E | MESIM    | 315630S | 1510948E |
| MARLN    | 340205S | 1520402E | METAB    | 150128S | 1112305E |
| MARSH    | 374218S | 1441436E | METAN    | 092707S | 1264047E |
| MARTO    | 331913S | 1514430E | METEP    | 273344S | 1531755E |
| MARUB    | 335554S | 1512854E | METUK    | 262022S | 1530311E |
| MASER    | 194433S | 1324618E | METUM    | 140813S | 1150832E |

| WAYPOINT | LAT     | LONG     | WAYPOINT | LAT     | LONG     |
|----------|---------|----------|----------|---------|----------|
| METUV    | 341340S | 1481444E | MOTSA    | 314116S | 1153738E |
| MEVAD    | 322225S | 1162718E | MOVBA    | 233330S | 1451753E |
| MEVUM    | 205101S | 1152445E | MOZZA    | 380454S | 1460554E |
| MEYJI    | 252035S | 1455337E | MRDAK    | 150836S | 1382042E |
| MIBAL    | 422530S | 1472248E | MUBID    | 321140S | 1214757E |
| MIBEK    | 213021S | 1490138E | MUBNI    | 170410S | 1462632E |
| MIBUP    | 280430S | 1413218E | MUBNO    | 150000S | 1150819E |
| MICHM    | 375042S | 1451130E | MUDAN    | 234735S | 1505954E |
| MICKS    | 281501S | 1533848E | MUDDL    | 272216S | 1532047E |
| MIDAT    | 402158S | 1630000E | MUDGI    | 323339S | 1493537E |
| MIDDY    | 265521S | 1150000E | MUDIV    | 305226S | 1371323E |
| MIDIM    | 275230S | 1211611E | MUDMO    | 235020S | 1335750E |
| MIDLA    | 315154S | 1155913E | MUDOX    | 233606S | 1361725E |
| MIGAX    | 160144S | 1342645E | MUGLU    | 231807S | 1501717E |
| MIGIP    | 123131S | 1304721E | MUGOB    | 314216S | 1155041E |
| MIKEG    | 383545S | 1573205E | MUGSI    | 312211S | 1155122E |
| MIKER    | 175628S | 1221154E | MUGTI    | 242046S | 1392737E |
| MIKIS    | 414624S | 1462742E | MUKIN    | 285318S | 1355611E |
| MILAK    | 145350S | 1413639E | MULDM    | 294708S | 1202837E |
| MILAL    | 230529S | 1194425E | MULDR    | 345309S | 1382514E |
| MILEM    | 132938S | 1280204E | MULNI    | 274351S | 1525548E |
| MILIV    | 163306S | 1335405E | MUMOS    | 314954S | 1161926E |
| MILLA    | 381256S | 1455337E | MUNAR    | 212949S | 1491702E |
| MILTY    | 242636S | 1510224E | MUNEL    | 142818S | 1445512E |
| MILUS    | 185218S | 1163005E | MUNNI    | 211234S | 1165158E |
| MIMIB    | 274515S | 1461219E | MUPIK    | 272709S | 1500000E |
| MIMIM    | 403720S | 1474340E | MUPOG    | 202544S | 1485744E |
| MIMUD    | 282130S | 1540142E | MURCH    | 264539S | 1185846E |
| MINUR    | 303716S | 1364301E | MURJO    | 271703S | 1530609E |
| MIPAM    | 261800S | 1441142E | MUSEY    | 171252S | 1445740E |
| MISCH    | 374550S | 1444039E | MUSOP    | 353106S | 1475412E |
| MISLY    | 304941S | 1555331E | MUTMI    | 040800S | 0925842E |
| MITSA    | 340155S | 1504701E | MYALL    | 190600S | 1393036E |
| MITTS    | 243900S | 1374019E | NABBA    | 364219S | 1470231E |
| MOCUR    | 321307S | 1160716E | NAIDO    | 272832S | 1530032E |
| MOLGA    | 340218S | 1200054E | NAILA    | 131255S | 1280714E |
| MOMAN    | 120947S | 1305358E | NALAR    | 311834S | 1202719E |
| MOMBI    | 352755S | 1491140E | NALDO    | 020000S | 0810000E |
| MOMGI    | 264536S | 1530244E | NAMBA    | 323110S | 1512752E |
| MOMSY    | 373242S | 1503242E | NAMIT    | 233958S | 1335809E |
| MONDO    | 325636S | 1511411E | NAOMI    | 373921S | 1443755E |
| MONIC    | 170045S | 1320332E | NASHO    | 341143S | 1510626E |
| MONTY    | 374331S | 1450643E | NASTI    | 222507S | 1254255E |
| MOOLO    | 264932S | 1532145E | NASUX    | 122129S | 1304246E |
| MOOVI    | 275449S | 1531742E | NATYA    | 345808S | 1431358E |
| MOPET    | 232255S | 1185158E | NEEKY    | 273747S | 1150000E |
| MOPRI    | 344956S | 1384156E | NEFER    | 372630S | 1445636E |
| MORBI    | 264708S | 1524614E | NEILO    | 122947S | 1310728E |
| MORGO    | 421018S | 1470440E | NELSN    | 324335S | 1521913E |
| MORID    | 260125S | 1144909E | NESSY    | 333335S | 1503513E |
| MORPH    | 350612S | 1383250E | NETTY    | 284350S | 1553034E |
| MORTN    | 271739S | 1531049E | NEVIS    | 371148S | 1431618E |
| MOSDA    | 350732S | 1493320E | NEWMO    | 320128S | 1433100E |
| MOSDU    | 191917S | 1463131E | NICAY    | 345742S | 1390753E |
| MOSLA    | 340700S | 1280000E | NICLA    | 320305S | 1520016E |
| MOSSI    | 262620S | 1533758E | NIFTI    | 395354S | 1473906E |
| MOTRA    | 412007S | 1481654E | NIKKI    | 280559S | 1533420E |
| MOTRU    | 135733S | 1304639E | NIKKY    | 190259S | 1465527E |

| WAYPOINT | LAT     | LONG     | WAYPOINT | LAT     | LONG     |
|----------|---------|----------|----------|---------|----------|
| NIKOM    | 154415S | 1244323E | NONIX    | 370434S | 1451450E |
| NILEV    | 374006S | 1472355E | NONOG    | 251728S | 1122738E |
| NIMEK    | 331640S | 1382912E | NONUM    | 165501S | 1452443E |
| NINEK    | 304053S | 1165428E | NONUP    | 352550S | 1481756E |
| NIPOL    | 343729S | 1383749E | NOODL    | 324926S | 1512117E |
| NIPOM    | 220345S | 1480431E | NOONA    | 123342S | 1310322E |
| NIPON    | 350722S | 1221833E | NOPAG    | 105157S | 1355229E |
| NIRIL    | 361702S | 1464707E | NOPAS    | 274607S | 1534052E |
| NIRUL    | 314229S | 1161550E | NOPED    | 263631S | 1192012E |
| NISAD    | 184343S | 1253358E | NOPET    | 424210S | 1473040E |
| NISAX    | 212044S | 1160340E | NORMA    | 173946S | 1453217E |
| NISOP    | 283644S | 1222521E | NUBKO    | 124759S | 1293551E |
| NITIT    | 214239S | 1490401E | NUBMO    | 250000S | 1205352E |
| NITUN    | 192055S | 1372359E | NUBNI    | 330653S | 1544940E |
| NIVED    | 183309S | 1380332E | NUBTA    | 272831S | 1442713E |
| NIXEL    | 273940S | 1530307E | NUGRU    | 233611S | 1484825E |
| NIXEN    | 374835S | 1441427E | NUKSO    | 424227S | 1472507E |
| NIXUG    | 312934S | 1503126E | NULSO    | 334345S | 1152241E |
| NOBAR    | 334711S | 1514424E | NUMBU    | 235737S | 1335339E |
| NOBEV    | 345110S | 1382135E | NUMRI    | 221410S | 1424549E |
| NOBIK    | 350711S | 1383002E | NUMSA    | 392511S | 1630000E |
| NOBIP    | 170000S | 1501754E | NUMVO    | 351243S | 1493538E |
| NODAB    | 132135S | 1063821E | NUNDI    | 274023S | 1530445E |
| NODAS    | 412436S | 1465555E | NUNLA    | 254511S | 1110053E |
| NODDY    | 283317S | 1522700E | NUNPA    | 400544S | 1480053E |
| NODEK    | 324700S | 1455342E | NUSBU    | 271514S | 1523532E |
| NODEV    | 322014S | 1183621E | NUSKU    | 342942S | 1313000E |
| NODOK    | 121112S | 1550000E | NUSVA    | 285224S | 1361236E |
| NODOL    | 325717S | 1375722E | NUTLI    | 354836S | 1453624E |
| NODOR    | 270850S | 1520254E | NUTPA    | 271434S | 1513644E |
| NODUG    | 271547S | 1524210E | NUTSU    | 315608S | 1153937E |
| NODUR    | 355112S | 1313000E | NUTTA    | 150032S | 1305816E |
| NOGAM    | 262656S | 1530252E | NUVTA    | 423656S | 1474036E |
| NOGAS    | 253237S | 1182608E | NUVTO    | 264447S | 1531535E |
| NOGIP    | 381852S | 1412824E | OBDEB    | 424221S | 1473540E |
| NOGOR    | 351538S | 1485017E | OBDES    | 272248S | 1532437E |
| NOKAV    | 230712S | 1463654E | OBDIB    | 323324S | 1514624E |
| NOKOG    | 310926S | 1155623E | OBELO    | 233514S | 1334319E |
| NOKUN    | 125106S | 1321154E | OBGAL    | 375039S | 1444708E |
| NOLAM    | 192437S | 1470945E | OBGOS    | 320218S | 1155611E |
| NOLAS    | 100615S | 0872140E | OBKOB    | 304409S | 1484653E |
| NOLEK    | 141249S | 1321919E | OBKUP    | 324052S | 1514030E |
| NOLEM    | 335534S | 1504545E | OBKUR    | 323439S | 1513219E |
| NOLES    | 250402S | 1370621E | OCKLY    | 324852S | 1170916E |
| NOLOX    | 385453S | 1465539E | OCTAV    | 234720S | 1335214E |
| NOLUN    | 360100S | 1493036E | OCTOB    | 110849S | 1302938E |
| NOLUP    | 213811S | 1494622E | ODALE    | 340521S | 1503104E |
| NOMAV    | 291204S | 1183136E | ODOTA    | 194401S | 1464743E |
| NOMEL    | 204523S | 1412328E | ODURA    | 271554S | 1531429E |
| NOMEV    | 273225S | 1530223E | ODUTO    | 275148S | 1524622E |
| NOMID    | 374447S | 1445222E | OGATU    | 271801S | 1531037E |
| NOMIT    | 290500S | 1540000E | OGOGA    | 272802S | 1531528E |
| NOMON    | 291502S | 1432522E | OGORA    | 352345S | 1491813E |
| NONAK    | 343642S | 1385742E | OGUGU    | 350453S | 1382453E |
| NONAX    | 233117S | 1235209E | OJJAY    | 322840S | 1371814E |
| NONET    | 252025S | 1410853E | OKERU    | 350758S | 1491904E |
| NONID    | 341429S | 1535449E | OKIBU    | 181014S | 1172139E |
| NONIR    | 154032S | 1481110E | OKISI    | 385404S | 1430000E |

| WAYPOINT | LAT     | LONG     | WAYPOINT | LAT     | LONG     |
|----------|---------|----------|----------|---------|----------|
| OKMEL    | 373343S | 1444904E | OMKIL    | 313941S | 1153737E |
| OKODU    | 195859S | 1431125E | OMKIN    | 422452S | 1630000E |
| OKTON    | 345116S | 1384001E | OMKON    | 370031S | 1430311E |
| OKVAD    | 321113S | 1490703E | OMKUL    | 424423S | 1473623E |
| OKVAR    | 212219S | 1405242E | OMLAT    | 281707S | 1185411E |
| OKVIS    | 271309S | 1531201E | OMLAV    | 342101S | 1510758E |
| OLBEV    | 272633S | 1530256E | OMLIR    | 323518S | 1514154E |
| OLDER    | 211112S | 1471342E | OMUBI    | 233815S | 1460406E |
| OLDDET   | 275158S | 1532240E | OMUNI    | 123533S | 1305127E |
| OLDIB    | 240334S | 1510023E | ONAGI    | 382816S | 1453724E |
| OLGEK    | 314002S | 1161105E | ONALA    | 151110S | 1170145E |
| OLGUM    | 280500S | 1502000E | ONALI    | 123041S | 1305830E |
| OLKUR    | 295351S | 1500937E | ONARA    | 181903S | 1431547E |
| OLMAL    | 271656S | 1532025E | ONEGI    | 262524S | 1203436E |
| OLMAM    | 323124S | 1154630E | ONGAR    | 291200S | 1144755E |
| OLMAR    | 144725S | 1254933E | ONGLO    | 352730S | 1491706E |
| OLNAM    | 243008S | 1331215E | ONIPA    | 272548S | 1525822E |
| OLNUT    | 194044S | 1465623E | ONPOPO   | 351522S | 1445403E |
| OLREB    | 235936S | 1333233E | ONOXA    | 120000S | 1205242E |
| OLREL    | 353903S | 1630000E | ONSLO    | 213959S | 1150643E |
| OLRIP    | 302354S | 1513821E | ONUMA    | 305828S | 1482249E |
| OLRON    | 305715S | 1501454E | ONUTO    | 373842S | 1445000E |
| OLRUN    | 232447S | 1190020E | OPABA    | 085130S | 1380400E |
| OLRUT    | 355951S | 1471853E | OPALL    | 263443S | 1182708E |
| OLRUX    | 321548S | 1252944E | OPAMI    | 290139S | 1532801E |
| OLSAN    | 123739S | 1305020E | OPAVA    | 373246S | 1443837E |
| OLSEM    | 333852S | 1513619E | OPAXA    | 271525S | 1452623E |
| OLSEN    | 175414S | 1221547E | OPEGA    | 312837S | 1132244E |
| OLSIN    | 173342S | 1460055E | OPEKO    | 144243S | 1323758E |
| OLSOG    | 340258S | 1511251E | OPESO    | 285626S | 1532058E |
| OLTAK    | 254817S | 1381146E | OPIPO    | 265945S | 1512804E |
| OLTAN    | 355251S | 1471203E | OPITU    | 274846S | 1525302E |
| OLTAS    | 125549S | 1302738E | OPONA    | 303730S | 1153402E |
| OLTEG    | 123533S | 1310859E | OPORI    | 354523S | 1423058E |
| OLTIN    | 323308S | 1511527E | OPOSA    | 185214S | 1152400E |
| OLTOK    | 273456S | 1532202E | OPOSI    | 203508S | 1485829E |
| OLTUD    | 262601S | 1525321E | OPTIC    | 342404S | 1515320E |
| OLTUR    | 374045S | 1450936E | OPUDA    | 130748S | 1320354E |
| OLVAG    | 341534S | 1510906E | OPUDI    | 343232S | 1444958E |
| OLVEN    | 344718S | 1385252E | OPUKO    | 312040S | 1160454E |
| OLVEP    | 324055S | 1515823E | ORAGU    | 380101S | 1442816E |
| OLVIX    | 350029S | 1494224E | ORATI    | 320438S | 1151954E |
| OLVOR    | 295829S | 1464842E | ORBUN    | 341145S | 1384316E |
| OLVUN    | 272018S | 1532217E | ORCHY    | 315941S | 1154052E |
| OMBAG    | 242132S | 1161111E | OREBA    | 425253S | 1473423E |
| OMBAS    | 272949S | 1513210E | OREBI    | 272719S | 1523757E |
| OMBIS    | 370253S | 1472004E | ORES0    | 253027S | 1181745E |
| OMBOR    | 380101S | 1472250E | ORIDO    | 315449S | 1153645E |
| OMBOS    | 303732S | 1155441E | ORIGA    | 180918S | 1504206E |
| OMDAL    | 345708S | 1490742E | ORILI    | 204719S | 1133409E |
| OMDIN    | 345152S | 1385035E | ORINO    | 363947S | 1444800E |
| OMDUN    | 262631S | 1530652E | ORORO    | 192129S | 1465438E |
| OMGAB    | 332413S | 1515321E | OSADA    | 315736S | 1151657E |
| OMGIL    | 262300S | 1313608E | OSANO    | 222748S | 1421705E |
| OMGOS    | 301910S | 1502622E | OSATO    | 324256S | 1513413E |
| OMGUV    | 270721S | 1532047E | OSEGU    | 270916S | 1532946E |
| OMKAX    | 291714S | 1530652E | OSEMI    | 390448S | 1465902E |
| OMKEK    | 302713S | 1371000E | OSINA    | 234328S | 1332908E |

| WAYPOINT | LAT     | LONG     | WAYPOINT | LAT     | LONG     |
|----------|---------|----------|----------|---------|----------|
| OSOKO    | 271122S | 1531303E | PANRO    | 194630S | 1360006E |
| OSOTI    | 300010S | 1512045E | PANVA    | 315742S | 1160912E |
| OSOTO    | 180715S | 1163554E | PANVO    | 350454S | 1382453E |
| OSRAR    | 315034S | 1494930E | PAPDO    | 380233S | 1464220E |
| OSTAM    | 282247S | 1522907E | PARAD    | 170234S | 1243721E |
| OSTIM    | 383712S | 1602107E | PARDA    | 322839S | 1382809E |
| OSTOL    | 274208S | 1160735E | PARKU    | 304945S | 1211522E |
| OSUMA    | 272648S | 1175507E | PARNU    | 382548S | 1463222E |
| OSVOL    | 201504S | 1220256E | PARPO    | 192830S | 1464806E |
| OTBOK    | 360833S | 1350000E | PARRY    | 274446S | 1522120E |
| OTGAB    | 382515S | 1350000E | PARSI    | 373229S | 1443652E |
| OTGAT    | 265803S | 1524337E | PASCO    | 374312S | 1445748E |
| OTGAX    | 123727S | 1310243E | PASPO    | 260643S | 1530508E |
| OTGUN    | 385402S | 1471136E | PATKO    | 305212S | 1300000E |
| OTKED    | 373546S | 1494306E | PATSU    | 282002S | 1540220E |
| OTKIT    | 204557S | 1214132E | PAULA    | 373424S | 1450206E |
| OTKUN    | 320015S | 1153241E | PAVBI    | 293838S | 1503407E |
| OTLAM    | 285452S | 1492406E | PAVGO    | 112135S | 1055918E |
| OTLEB    | 263849S | 1524004E | PAVNU    | 193000S | 1141457E |
| OTLED    | 304952S | 1154203E | PAVSA    | 343241S | 1383024E |
| OVENS    | 245912S | 1491518E | PAVSO    | 342754S | 1173929E |
| OVILS    | 334206S | 1510801E | PAVTA    | 163023S | 1454912E |
| OVLET    | 161346S | 1450943E | PAWSO    | 171244S | 1460620E |
| OVLUK    | 303539S | 1164647E | PEART    | 372831S | 1444327E |
| OVLUX    | 331023S | 1513704E | PEBAL    | 375836S | 1445836E |
| OVMIN    | 320624S | 1502016E | PEBBL    | 123939S | 1304924E |
| OVMIS    | 162417S | 1310024E | PEBDO    | 301952S | 1513521E |
| OVMUD    | 290000S | 1440352E | PEBRA    | 333752S | 1505308E |
| OVNER    | 373519S | 1444418E | PEBTA    | 105751S | 1401031E |
| OVNOM    | 293913S | 1500605E | PEBTO    | 373004S | 1444052E |
| OVPAD    | 424440S | 1472449E | PECOB    | 430943S | 1505613E |
| OVPEV    | 325132S | 1515523E | PEDLU    | 335340S | 1513129E |
| OVRON    | 202104S | 1485721E | PEDPI    | 131636S | 0750000E |
| OVRUL    | 264402S | 1531747E | PEDSA    | 135204S | 1200446E |
| OVSIV    | 315906S | 1495355E | PEGBA    | 335457S | 1511655E |
| OVSOT    | 282314S | 1540050E | PEGLI    | 375406S | 1443617E |
| PADBU    | 423154S | 1462848E | PEGSU    | 341950S | 1504708E |
| PADNA    | 350328S | 1494430E | PEGTU    | 350835S | 1382616E |
| PADRY    | 231952S | 1153925E | PENAR    | 202116S | 1411356E |
| PADVU    | 231323S | 1503612E | PEPPY    | 260636S | 1413930E |
| PAGMI    | 111435S | 1283921E | PETAA    | 310543S | 1153630E |
| PAGRI    | 333950S | 1151413E | PETAB    | 305000S | 1160000E |
| PAGSO    | 123244S | 1310400E | PETAC    | 305000S | 1153000E |
| PAGTA    | 284000S | 1152600E | PETAD    | 303730S | 1142903E |
| PAKLA    | 132418S | 1023328E | PETAG    | 325618S | 1153141E |
| PAKTU    | 430310S | 1473919E | PETRL    | 171216S | 1352134E |
| PAKVU    | 305000S | 1414436E | PEWEE    | 175557S | 1463005E |
| PALTI    | 275109S | 1164213E | PEXIV    | 380356S | 1442747E |
| PAMBU    | 270553S | 1531106E | PEXOR    | 242722S | 1171846E |
| PAMDO    | 183717S | 1265302E | PIBED    | 052012S | 0904400E |
| PAMGA    | 122223S | 1310532E | PIBOT    | 205123S | 1152422E |
| PAMGO    | 270813S | 1525715E | PIDEN    | 271226S | 1173050E |
| PAMMY    | 344402S | 1381945E | PIDIX    | 422910S | 1471441E |
| PAMRI    | 280633S | 1524237E | PIDOS    | 425541S | 1474339E |
| PANBA    | 215824S | 1151517E | PIDOV    | 285618S | 1505855E |
| PANBI    | 232915S | 1191954E | PIDUT    | 315521S | 1154222E |
| PANDU    | 113806S | 0782636E | PIGIG    | 105702S | 1422734E |
| PANPU    | 272924S | 1501959E | PIKIS    | 343244S | 1383005E |



| WAYPOINT | LAT     | LONG     | WAYPOINT | LAT     | LONG     |
|----------|---------|----------|----------|---------|----------|
| PIKON    | 271125S | 1531422E | PUGUB    | 145909S | 1293826E |
| PILBY    | 344014S | 1364402E | PUGUT    | 274302S | 1315311E |
| PILIG    | 270357S | 1532019E | PUKIM    | 384810S | 1474308E |
| PILOS    | 352753S | 1491558E | PULAX    | 164045S | 1453413E |
| PILTA    | 331130S | 1414736E | PULEB    | 203310S | 1301958E |
| PIMOV    | 423255S | 1473440E | PULEX    | 273729S | 1525927E |
| PINAV    | 285254S | 1290000E | PULOL    | 242716S | 1364544E |
| PINIP    | 194648S | 1470022E | PUMAK    | 240713S | 1331942E |
| PIPOV    | 042206S | 0923230E | PUMED    | 320212S | 1155613E |
| PIPPA    | 144051S | 1501124E | PUMET    | 225723S | 1494053E |
| PLEDL    | 290902S | 1245648E | PUMIP    | 285121S | 1532830E |
| PLEZN    | 344704S | 1390424E | PUMRY    | 323911S | 1165930E |
| PLUGA    | 353627S | 1544120E | PUNED    | 234949S | 1335652E |
| POKIP    | 290218S | 1140118E | PUNEK    | 274055S | 1531607E |
| POKIT    | 355842S | 1465701E | PUNIG    | 272644S | 1530538E |
| POKOP    | 352847S | 1490931E | PUNIT    | 163751S | 1445422E |
| POKOS    | 203427S | 1224027E | PUNOT    | 113902S | 1332254E |
| POLEV    | 265513S | 1381009E | PUPEB    | 142317S | 1461434E |
| POLLI    | 354413S | 1483555E | PUPIP    | 120000S | 1150900E |
| POLSO    | 354646S | 1454151E | PUPIV    | 134517S | 1260855E |
| POLUM    | 200000S | 0983248E | QUIET    | 270636S | 1530406E |
| POLUP    | 313324S | 1370830E | RACEV    | 203031S | 1411522E |
| POLUX    | 311145S | 1153307E | RACHL    | 293209S | 1500850E |
| PONAN    | 242106S | 1475145E | RADLA    | 345852S | 1384705E |
| PONOD    | 274501S | 1530829E | RAFFY    | 211520S | 1193544E |
| PONUX    | 244253S | 1541607E | RAINY    | 164200S | 1453206E |
| POODL    | 273113S | 1532020E | RAKSO    | 340219S | 1504130E |
| POPET    | 351708S | 1491904E | RANGU    | 315303S | 1153033E |
| POPEX    | 232628S | 1504122E | RAPLY    | 175859S | 1222123E |
| POPLA    | 351336S | 1481600E | RARIE    | 255206S | 1173318E |
| POREM    | 372908S | 1445315E | RARTI    | 203000S | 1343749E |
| PORIV    | 290000S | 1452348E | RASHI    | 381412S | 1472519E |
| POROB    | 193748S | 1471417E | RASKY    | 205047S | 1231224E |
| POROR    | 133446S | 0985848E | RAYNA    | 343812S | 1383622E |
| PORTS    | 380112S | 1445414E | REBEG    | 255829S | 1530646E |
| POSAS    | 314432S | 1151207E | REBIR    | 211326S | 1235714E |
| POSOD    | 032930S | 0940954E | REDOM    | 310705S | 1144858E |
| POSOX    | 101330S | 1435536E | REEFE    | 110000S | 1431530E |
| POSUM    | 310553S | 1564700E | REEZA    | 285652S | 1674256E |
| POTAD    | 345233S | 1504925E | REGIN    | 190909S | 1471115E |
| POTIP    | 214137S | 1250758E | REGOM    | 280545S | 1532744E |
| POTUM    | 291744S | 1465916E | REKAK    | 415715S | 1471838E |
| POTUS    | 344431S | 1382812E | RELEM    | 231256S | 1500916E |
| POVED    | 193341S | 1470240E | RELEP    | 361000S | 1420507E |
| POVIT    | 353331S | 1621751E | RELOK    | 122526S | 1303843E |
| POXAL    | 350733S | 1382903E | REMOR    | 265322S | 1525051E |
| POXID    | 421905S | 1471534E | REMOT    | 383531S | 1473249E |
| PRAWN    | 335751S | 1512246E | RENAK    | 215849S | 1431941E |
| PUBAP    | 361857S | 1413844E | RENAM    | 335204S | 1511002E |
| PUBAR    | 135813S | 1052951E | RENEL    | 304519S | 1340637E |
| PUBIV    | 272125S | 1531955E | RENER    | 374220S | 1444348E |
| PUBOX    | 144424S | 1413436E | REPAN    | 032853S | 0765335E |
| PUDIN    | 185625S | 1410933E | REPOB    | 313408S | 1484104E |
| PUDUR    | 242355S | 1462922E | REPOK    | 313539S | 1163151E |
| PUDUS    | 320420S | 1161042E | REPUD    | 354651S | 1580455E |
| PUDUT    | 325741S | 1512824E | REPUX    | 271543S | 1525221E |
| PUGEL    | 194939S | 1561328E | RERAB    | 430000S | 0750000E |
| PUGON    | 280739S | 1520701E | RETEP    | 282956S | 1350040E |

| WAYPOINT | LAT     | LONG     | WAYPOINT | LAT     | LONG     |
|----------|---------|----------|----------|---------|----------|
| REVGU    | 331002S | 1513716E | RUMGI    | 154531S | 1432412E |
| REVKI    | 335419S | 1495634E | RUMIE    | 361947S | 1474343E |
| RIBLI    | 422824S | 1470042E | RUMIX    | 270737S | 1630000E |
| RIBLU    | 313134S | 1564330E | RUMKA    | 174712S | 1464939E |
| RIBNU    | 122039S | 1303816E | RUMRO    | 273746S | 1530349E |
| RIDLE    | 354518S | 1280000E | RUMUM    | 424425S | 1474344E |
| RIDMA    | 351209S | 1383042E | RUNAG    | 423448S | 1473648E |
| RIDVO    | 284923S | 1531527E | RUNDA    | 345636S | 1462324E |
| RIGBO    | 274436S | 1332736E | RUNIV    | 304447S | 1211917E |
| RIGMI    | 321205S | 1630000E | RUNLA    | 221600S | 1501124E |
| RIGTU    | 255100S | 1483300E | RUNNA    | 331552S | 1504717E |
| RIKNI    | 340456S | 1523356E | RUNOD    | 360925S | 1630000E |
| RIKTU    | 342419S | 1401315E | RUNRO    | 322718S | 1435636E |
| RIKUS    | 380132S | 1465343E | RUNRU    | 245831S | 1305851E |
| RIKVA    | 204218S | 1470840E | RUNUT    | 134937S | 0912250E |
| RIKVI    | 350148S | 1381415E | RUPEG    | 124257S | 1321346E |
| RILGO    | 264225S | 1493526E | RUPEL    | 344540S | 1381117E |
| RILVO    | 200644S | 1402352E | RUPEM    | 335322S | 1493452E |
| RIMSU    | 373609S | 1462805E | RUPIK    | 342754S | 1384812E |
| RINKI    | 272808S | 1531935E | RUPOD    | 383356S | 1461618E |
| RINLA    | 134030S | 1341728E | RUPUS    | 211925S | 1332729E |
| RIPMA    | 253659S | 1184352E | RURAP    | 244146S | 1312224E |
| RIPMI    | 121110S | 1304325E | RURLA    | 360136S | 1464329E |
| RIPMO    | 374216S | 1442942E | RUROX    | 242939S | 1503412E |
| RIPNA    | 140000S | 1582500E | RURTO    | 192430S | 1470046E |
| RIRBO    | 274944S | 1524746E | RUSAD    | 304910S | 1334023E |
| RIRSA    | 264654S | 1480648E | RUSIP    | 273502S | 1531924E |
| RISMI    | 070755S | 0872006E | RUSIR    | 375747S | 1470051E |
| RITVU    | 271803S | 1525853E | RUSKA    | 124435S | 1320036E |
| RIVET    | 341651S | 1502549E | RUSOM    | 314151S | 1155258E |
| RIVGO    | 350336S | 1391248E | RUSVA    | 272541S | 1525349E |
| RIVTO    | 122040S | 1304021E | RUTAT    | 272626S | 1531504E |
| RIXON    | 325728S | 1520511E | RUTAX    | 270907S | 1530123E |
| ROCEL    | 374517S | 1450110E | RUTED    | 185638S | 1464358E |
| ROESA    | 380001S | 1471918E | RUTMO    | 330044S | 1365043E |
| ROGGS    | 350341S | 1385421E | RUTOS    | 331448S | 1504019E |
| ROGUE    | 343548S | 1380527E | RUTRS    | 181040S | 1222936E |
| ROKDL    | 373528S | 1444922E | RUVAL    | 211141S | 1484655E |
| ROKUU    | 281103S | 1494008E | RUVOT    | 162955S | 1454443E |
| ROLFE    | 171300S | 1460954E | RUVTI    | 122147S | 0992828E |
| ROLOB    | 314735S | 1161454E | RUVUS    | 361239S | 1393108E |
| ROMPA    | 362700S | 1313000E | RUXIB    | 301437S | 1472608E |
| RONAN    | 315216S | 1163507E | SABAX    | 381747S | 1470624E |
| ROOKI    | 105650S | 1391216E | SABEK    | 020833S | 0775337E |
| ROONY    | 283133S | 1533614E | SABTI    | 242217S | 1271926E |
| ROTTU    | 131219S | 1251434E | SABTO    | 312538S | 1155800E |
| ROYAL    | 352747S | 1490947E | SABUR    | 224810S | 1484218E |
| RUDEY    | 272309S | 1522327E | SADAK    | 344701S | 1390851E |
| RUFLE    | 370154S | 1350000E | SADAR    | 121340S | 1303148E |
| RUGBO    | 292049S | 1165656E | SADEL    | 250224S | 1342300E |
| RUGMU    | 233959S | 1333834E | SADID    | 210633S | 1491751E |
| RUKNA    | 340806S | 1381431E | SADLO    | 324717S | 1505750E |
| RUKNK    | 271859S | 1524954E | SADMI    | 345942S | 1382101E |
| RUKSI    | 182609S | 1334448E | SADOL    | 320858S | 1154547E |
| RULUN    | 265408S | 1532929E | SADUD    | 133329S | 1065734E |
| RULVI    | 275013S | 1171155E | SAFIR    | 192200S | 1203430E |
| RUMAK    | 315615S | 1160659E | SAGAR    | 320201S | 1155439E |
| RUMES    | 361117S | 1470427E | SAGIR    | 354158S | 1483333E |

| WAYPOINT | LAT     | LONG     | WAYPOINT | LAT     | LONG     |
|----------|---------|----------|----------|---------|----------|
| SAGLI    | 261816S | 1525259E | SCULN    | 350338S | 1485327E |
| SAGNO    | 215832S | 1145831E | SEBLU    | 392615S | 1463341E |
| SAGTA    | 271905S | 1525850E | SEBVA    | 261723S | 1523902E |
| SAILA    | 280631S | 1533547E | SEBVI    | 351024S | 1492937E |
| SAKAB    | 143100S | 1025800E | SEDNI    | 143238S | 1323236E |
| SAKAP    | 264137S | 1531745E | SEDRA    | 333553S | 1374337E |
| SAKBI    | 350558S | 1591141E | SEEKR    | 235714S | 1335807E |
| SAKBO    | 271656S | 1530952E | SEEMO    | 305221S | 1255216E |
| SAKEG    | 081017S | 0852004E | SEKRI    | 331416S | 1380540E |
| SAKEN    | 120540S | 1345336E | SEKRU    | 220500S | 1135200E |
| SAKOM    | 313930S | 1152104E | SEMAJ    | 284036S | 1535342E |
| SAKUT    | 425142S | 1474621E | SEMBU    | 190500S | 1462100E |
| SALEL    | 273818S | 1532340E | SEMGO    | 161626S | 1222546E |
| SALGA    | 272211S | 1532424E | SEVSI    | 305100S | 1233737E |
| SALLY    | 372612S | 1445500E | SHAWN    | 234424S | 1340352E |
| SALOT    | 344756S | 1365725E | SHAZA    | 333940S | 1520054E |
| SALOX    | 193200S | 1463100E | SHEED    | 374351S | 1445453E |
| SALRI    | 354852S | 1435233E | SHIKO    | 265624S | 1500700E |
| SALUS    | 324749S | 1514959E | SHINN    | 191042S | 1401718E |
| SAMIG    | 375542S | 1444518E | SHNAB    | 272446S | 1523603E |
| SAMIN    | 321820S | 1374300E | SHUTL    | 323944S | 1520459E |
| SAMLA    | 313743S | 1155059E | SHYNN    | 283348S | 1151540E |
| SAMOR    | 132119S | 1414321E | SIFRA    | 294805S | 1561225E |
| SAMOT    | 285924S | 1675046E | SILVN    | 342737S | 1401445E |
| SAMSN    | 271918S | 1525242E | SIMAS    | 201428S | 1431737E |
| SAMVI    | 272220S | 1524437E | SIMOS    | 264348S | 1530418E |
| SANAD    | 312311S | 1512445E | SINAM    | 260000S | 1062906E |
| SANDR    | 373306S | 1450036E | SINNK    | 271239S | 1531340E |
| SANEG    | 274904S | 1530238E | SKIPA    | 265423S | 1262207E |
| SANEM    | 374343S | 1445946E | SLASH    | 222300S | 1444954E |
| SANOX    | 251035S | 1470645E | SLICK    | 352756S | 1492537E |
| SAPAN    | 360502S | 1465211E | SLOAN    | 354919S | 1533558E |
| SAPDA    | 120000S | 1112536E | SMALL    | 281146S | 1533133E |
| SAPED    | 312107S | 1410026E | SMIFF    | 420931S | 1563848E |
| SAPIT    | 350539S | 1492126E | SMOKA    | 265233S | 1523756E |
| SAPKO    | 312903S | 1162440E | SNELY    | 383423S | 1502217E |
| SAPNO    | 290000S | 1461047E | SNICK    | 123442S | 1314436E |
| SAPUG    | 315740S | 1161237E | SNOOD    | 150930S | 1342307E |
| SARAG    | 344543S | 1383740E | SOAPY    | 371158S | 1443548E |
| SARAP    | 325507S | 1630000E | SOCAR    | 131317S | 1331957E |
| SARGA    | 191415S | 1463028E | SOFAL    | 330006S | 1494624E |
| SARIG    | 231132S | 1183334E | SOLIH    | 024844S | 0772337E |
| SARIK    | 220032S | 1414545E | SOLIT    | 235500S | 0750000E |
| SARIS    | 290745S | 1680550E | SOLLI    | 202958S | 1311545E |
| SAROK    | 262339S | 1290425E | SOLUS    | 322854S | 1161641E |
| SARRE    | 122857S | 1310500E | SOOTY    | 272431S | 1523644E |
| SARUS    | 233736S | 1503507E | SOPAT    | 161634S | 1130029E |
| SASMO    | 193939S | 1464755E | SORCE    | 302717S | 1473529E |
| SASRO    | 383451S | 1630000E | SORTI    | 314915S | 1515245E |
| SATCO    | 192748S | 1464006E | SORTU    | 320954S | 1203854E |
| SATNA    | 110412S | 1243412E | SORVA    | 273230S | 1530910E |
| SATPA    | 272859S | 1403753E | SORVI    | 423528S | 1472750E |
| SAVER    | 273111S | 1540336E | SOSIJ    | 341020S | 1511405E |
| SCARP    | 320948S | 1160300E | SOSTU    | 253111S | 1524236E |
| SCATZ    | 323918S | 1501518E | SOTKI    | 335041S | 1551108E |
| SCHEE    | 225906S | 1285206E | SOTMI    | 265530S | 1351012E |
| SCOTT    | 275206S | 1534800E | SOVMU    | 264754S | 1205730E |
| SCUBY    | 160542S | 1295412E | SOVRO    | 104942S | 1405728E |

| WAYPOINT | LAT     | LONG     | WAYPOINT | LAT     | LONG     |
|----------|---------|----------|----------|---------|----------|
| SOVRU    | 363206S | 1475042E | TAMOD    | 331606S | 1182818E |
| SPARK    | 285415S | 1534042E | TANEM    | 153108S | 1100712E |
| SPEER    | 273617S | 1315530E | TANIK    | 273549S | 1525903E |
| SPENA    | 341542S | 1365427E | TANOV    | 330000S | 1370000E |
| SPITY    | 310433S | 1160030E | TANTA    | 355250S | 1483154E |
| SPODD    | 384928S | 1414745E | TANUD    | 213503S | 1491236E |
| SPOTA    | 340431S | 1374437E | TAPAX    | 361818S | 1250000E |
| SPUDO    | 314928S | 1161113E | TAPET    | 260633S | 1525754E |
| STANG    | 311337S | 1153946E | TAPIO    | 325753S | 1520417E |
| STEVO    | 374730S | 1444612E | TAPIT    | 224236S | 1191955E |
| STILE    | 331154S | 1215036E | TAPUL    | 273312S | 1525334E |
| STIMP    | 280630S | 1533439E | TARAK    | 204545S | 1120307E |
| STIRL    | 350347S | 1384445E | TARAL    | 343007S | 1495601E |
| STOES    | 132655S | 1314705E | TARES    | 224106S | 1495826E |
| SUBUM    | 374842S | 1350000E | TARET    | 191100S | 1452600E |
| SUDAG    | 115358S | 1301434E | TAROL    | 263212S | 1522124E |
| SUDLU    | 123807S | 1304609E | TASED    | 423134S | 1473640E |
| SUGAB    | 284629S | 1191312E | TASEG    | 321135S | 1441047E |
| SUKBU    | 192908S | 1470706E | TASMA    | 395959S | 1460422E |
| SUKTU    | 290507S | 1510446E | TASUM    | 425050S | 1473136E |
| SULDA    | 364021S | 1474957E | TASUN    | 203724S | 1472354E |
| SULDO    | 273521S | 1525419E | TATAP    | 104540S | 1331521E |
| SULMI    | 281318S | 1492315E | TATEN    | 282924S | 1523212E |
| SULON    | 395131S | 1630000E | TATOD    | 105906S | 1025842E |
| SULTU    | 200439S | 1452555E | TATUK    | 192546S | 1263847E |
| SUMPA    | 163143S | 1164002E | TAVET    | 381718S | 1481045E |
| SUMRU    | 380012S | 1443515E | TAVEV    | 241536S | 1432633E |
| SUMSA    | 331235S | 1514537E | TAXEG    | 291323S | 1511413E |
| SUMUP    | 324400S | 1372100E | TAXES    | 350532S | 1383429E |
| SUNAL    | 331428S | 1375943E | TAXUM    | 222155S | 1430502E |
| SUNEK    | 422359S | 1473934E | TAYER    | 161745S | 1172142E |
| SUNIL    | 165600S | 1275354E | TCART    | 175452S | 1220556E |
| SUNIX    | 141116S | 1345526E | TEBIP    | 310533S | 1163427E |
| SUNKI    | 381842S | 0750000E | TEBOT    | 270001S | 1534555E |
| SUNOB    | 400252S | 1484742E | TEBUM    | 381314S | 1465654E |
| SUNPO    | 145158S | 1273858E | TEBUR    | 232824S | 1630000E |
| SUNTI    | 383028S | 1451249E | TEDEB    | 291145S | 1532346E |
| SUNUB    | 275034S | 1531849E | TEDOR    | 414250S | 1472112E |
| SUPAS    | 331054S | 1250000E | TEDUS    | 345441S | 1373648E |
| SUPGA    | 250508S | 1473019E | TEENA    | 374706S | 1442700E |
| SUPKA    | 292007S | 1151141E | TEGAL    | 314733S | 1361808E |
| SUREB    | 270351S | 1512644E | TEGEX    | 311309S | 1354416E |
| SURGN    | 345037S | 1390402E | TEGIL    | 271029S | 1524504E |
| SURIS    | 281111S | 1200000E | TEGIT    | 123640S | 1310756E |
| SURPO    | 265508S | 1523422E | TEKAN    | 120000S | 1504330E |
| SURSI    | 275750S | 1532059E | TEKEP    | 302924S | 1630000E |
| SURUR    | 163349S | 1453157E | TEKOD    | 343824S | 1361935E |
| SURVO    | 152150S | 1364007E | TEKUP    | 381524S | 1300000E |
| SUSAK    | 373451S | 1445711E | TELAP    | 191120S | 1465544E |
| SUSGI    | 253542S | 1514023E | TELIP    | 364434S | 1441934E |
| SWAGY    | 240000S | 1100000E | TELOG    | 281440S | 1535437E |
| SWAGZ    | 164530S | 1453330E | TEMAN    | 180130S | 1222134E |
| SYNOT    | 421312S | 1465348E | TEMAP    | 315143S | 1152926E |
| TAGOD    | 395430S | 1350000E | TEMIS    | 371223S | 1455006E |
| TAITE    | 383132S | 1442825E | TEMPL    | 375234S | 1442941E |
| TALAG    | 350653S | 1491215E | TEMUL    | 271756S | 1532834E |
| TAMED    | 145512S | 1440506E | TENCH    | 415347S | 1480342E |
| TAMMI    | 340608S | 1504941E | TENER    | 412118S | 1470149E |

| WAYPOINT | LAT     | LONG     | WAYPOINT | LAT     | LONG     |
|----------|---------|----------|----------|---------|----------|
| TENIP    | 281819S | 1534430E | TRINA    | 322334S | 1514238E |
| TEPUN    | 302830S | 1161655E | TROFE    | 321609S | 1490256E |
| TERAR    | 175611S | 1384907E | TROUB    | 350510S | 1380920E |
| TEROG    | 280212S | 1160400E | TRUKA    | 135827S | 1332809E |
| TEROS    | 052916S | 0752312E | TUCAB    | 292848S | 1531606E |
| TERRA    | 281424S | 1533312E | TUCKI    | 285518S | 1532212E |
| TERUV    | 253742S | 1525429E | TULPO    | 205355S | 1152350E |
| TESAS    | 332051S | 1594932E | TUMAN    | 343613S | 1401750E |
| TESAT    | 335638S | 1511057E | TUMDI    | 350138S | 1382501E |
| TESSI    | 292704S | 1521845E | TUMSO    | 241449S | 1332653E |
| TEXAN    | 190042S | 1372924E | TUNGO    | 413112S | 1410000E |
| TEZZA    | 270427S | 1521259E | TUNGU    | 243754S | 1450354E |
| THENA    | 281322S | 1420022E | TUNKA    | 371956S | 1444631E |
| THOMO    | 194129S | 1451426E | TUNVI    | 275824S | 1413215E |
| THRUM    | 403002S | 1445251E | TUPSI    | 342607S | 1383346E |
| TICAL    | 120000S | 1512231E | TUPSO    | 193000S | 1150712E |
| TIGGA    | 274337S | 1410447E | TURBI    | 361910S | 1422441E |
| TIMBO    | 321023S | 1512742E | TUREK    | 231349S | 1180552E |
| TIMET    | 190741S | 1161917E | TURGO    | 121658S | 1310036E |
| TINAH    | 213618S | 1414518E | TUSGO    | 345510S | 1385218E |
| TOBOB    | 345603S | 1450449E | TUSTU    | 122041S | 1342444E |
| TODEG    | 163859S | 1454928E | TUSVA    | 243219S | 1180820E |
| TODIK    | 275346S | 1174136E | TUTNI    | 292450S | 1170330E |
| TODIV    | 375000S | 1474824E | TUTNO    | 344618S | 1350000E |
| TODOT    | 091758S | 1265724E | TUTRA    | 285704S | 1674635E |
| TODOX    | 191130S | 1470100E | TUVBA    | 320045S | 1154911E |
| TOGAM    | 320329S | 1161154E | TUVBI    | 405356S | 1604237E |
| TOGAT    | 410936S | 1472546E | TUVNO    | 191223S | 1464734E |
| TOGEN    | 204312S | 1455318E | TUVRA    | 391427S | 1440946E |
| TOGIN    | 272848S | 1525635E | TWIST    | 154406S | 1250206E |
| TOKAX    | 424753S | 1472737E | TYERS    | 375436S | 1481054E |
| TOLAG    | 234019S | 1141322E | TYNDI    | 374817S | 1421856E |
| TOLAX    | 270224S | 1525813E | UBDAK    | 285434S | 1654827E |
| TOMAR    | 410814S | 1630000E | UBDIB    | 341403S | 1402100E |
| TOMUM    | 362530S | 1350000E | UBDIG    | 125350S | 1303206E |
| TONAR    | 375037S | 1445110E | UBGAN    | 272012S | 1481027E |
| TONEG    | 320916S | 1154713E | UBGIM    | 325632S | 1515143E |
| TONIM    | 360154S | 1542046E | UBGUT    | 364019S | 1421005E |
| TONTO    | 341734S | 1503842E | UBGUX    | 121337S | 1304316E |
| TONUX    | 334304S | 1510742E | UBLEN    | 425257S | 1473430E |
| TOODY    | 314731S | 1161130E | UBLIN    | 274941S | 1630000E |
| TOOKI    | 331603S | 1513349E | UBLOM    | 320352S | 1510657E |
| TOPIR    | 291100S | 1164007E | UBLUK    | 284901S | 1495112E |
| TOPUL    | 371253S | 1473635E | UBMAX    | 325440S | 1515236E |
| TORAG    | 345155S | 1503809E | UBNIL    | 323809S | 1520256E |
| TOREX    | 072400S | 1333530E | UBNIS    | 081618S | 0800000E |
| TOROB    | 335347S | 1494518E | UBNUB    | 324022S | 1435139E |
| TOROT    | 122622S | 1305717E | UBSON    | 322552S | 1515211E |
| TOSAS    | 120000S | 1470554E | UDEPO    | 325139S | 1515932E |
| TOSOB    | 122759S | 1304622E | UDERI    | 274114S | 1513807E |
| TOSUG    | 423323S | 1472519E | UDIXA    | 324700S | 1520500E |
| TOTTY    | 171424S | 1453836E | UGAVI    | 232515S | 1245822E |
| TRAIL    | 154448S | 1454102E | UGISU    | 324455S | 1513423E |
| TREBL    | 265130S | 1363218E | UGITO    | 391532S | 1464623E |
| TREES    | 320000S | 1100000E | UGPOT    | 315322S | 1523034E |
| TREST    | 345300S | 1442518E | UGPUR    | 360955S | 1444553E |
| TREVR    | 374641S | 1471517E | UGTUG    | 272922S | 1535232E |
| TRIKI    | 265220S | 1532113E | UGUMO    | 272422S | 1533401E |

| WAYPOINT | LAT     | LONG     | WAYPOINT | LAT     | LONG     |
|----------|---------|----------|----------|---------|----------|
| UGUXA    | 344046S | 1382612E | URDAX    | 324352S | 1514440E |
| UGVER    | 353730S | 1472802E | URDEN    | 334448S | 1510727E |
| UGVOK    | 325059S | 1513302E | URGUL    | 351446S | 1443616E |
| UKADI    | 265927S | 1394427E | URKER    | 313648S | 1502300E |
| UKAPI    | 260812S | 1531518E | UTTOX    | 123859S | 1303633E |
| UKDAV    | 341432S | 1511449E | UVUPU    | 335032S | 1423257E |
| UKDIP    | 323904S | 1514620E | UXAMA    | 335226S | 1512731E |
| UNDER    | 290000S | 1100000E | UXILO    | 264931S | 1452701E |
| UNDOW    | 314945S | 1162414E | UXORA    | 260000S | 1091344E |
| UNSAR    | 321217S | 1490448E | VABLI    | 123715S | 1311611E |
| UNSIG    | 372658S | 1473003E | VADMA    | 350634S | 1490311E |
| UNSOK    | 262342S | 1174818E | VAGPO    | 310000S | 1424844E |
| UNSOV    | 181105S | 1253325E | VAKSA    | 151106S | 1434805E |
| UNSOX    | 335308S | 1394829E | VALDU    | 370828S | 1473308E |
| UNSUS    | 330641S | 1485146E | VALDZ    | 232700S | 1414148E |
| UNTAP    | 423326S | 1471720E | VALES    | 372152S | 1452057E |
| UNVAT    | 254810S | 1495347E | VALRA    | 214241S | 1221248E |
| UNVAX    | 275455S | 1175123E | VALVO    | 272754S | 1532121E |
| UPDUR    | 361226S | 1464408E | VAMSO    | 321323S | 1481345E |
| UPKAN    | 373450S | 1443552E | VANDI    | 122041S | 1314515E |
| UPKID    | 374953S | 1450644E | VANGO    | 235248S | 1335152E |
| UPLLOT   | 262229S | 1525957E | VANRU    | 315347S | 1153444E |
| UPLUG    | 324627S | 1513855E | VANSU    | 283557S | 1533417E |
| UPMAR    | 335344S | 1505546E | VANTI    | 273810S | 1525947E |
| UPMOG    | 280010S | 1515023E | VANVA    | 222130S | 1495154E |
| UPMUV    | 344905S | 1484042E | VAPMU    | 280124S | 1533308E |
| UPNAP    | 351658S | 1454906E | VAPSA    | 040902S | 0762331E |
| UPNEX    | 332626S | 1514005E | VAPTA    | 282957S | 1355005E |
| UPNOR    | 290348S | 1340125E | VARBI    | 191809S | 1464438E |
| UPNOT    | 183922S | 1095542E | VARLY    | 335438S | 1532026E |
| UPOLO    | 164153S | 1455658E | VASRA    | 332202S | 1510408E |
| UPRIG    | 272837S | 1532245E | VATPO    | 115450S | 1304428E |
| UPROT    | 343406S | 1391830E | VATRO    | 273919S | 1525950E |
| UPROX    | 123121S | 1305621E | VATSU    | 344445S | 1361743E |
| UPRUM    | 303454S | 1514536E | VAVBU    | 142629S | 1321324E |
| UPRUN    | 252800S | 1294135E | VAVGA    | 320537S | 1161428E |
| UPSAD    | 310031S | 1572348E | VAVMO    | 422343S | 1470755E |
| UPSAL    | 373616S | 1464527E | VAVPA    | 354233S | 1373051E |
| UPSEN    | 123334S | 1304504E | VEBMI    | 310845S | 1505550E |
| UPSES    | 304204S | 1363800E | VEBTO    | 191723S | 1463752E |
| UPSID    | 151117S | 1230703E | VEDKI    | 144742S | 1161913E |
| UPSUK    | 351329S | 1494437E | VEDPI    | 291108S | 1472922E |
| UPTAL    | 272050S | 1515159E | VEDRU    | 271137S | 1510648E |
| UPTAM    | 154721S | 1140015E | VEGAH    | 292436S | 1524924E |
| UPTEB    | 324455S | 1514608E | VEGDI    | 223418S | 1521850E |
| UPT EK   | 310630S | 1151657E | VEGPU    | 124000S | 1311423E |
| UPTIK    | 205244S | 1164132E | VEGRU    | 362249S | 1462859E |
| UPTOD    | 290737S | 1474755E | VEKBI    | 173550S | 1442237E |
| UPTUN    | 343125S | 1383855E | VEKLO    | 420515S | 1473953E |
| UPVEN    | 314656S | 1501439E | VEKMI    | 345107S | 1381413E |
| UPVIB    | 325728S | 1520341E | VEKNU    | 262641S | 1530749E |
| URADA    | 345805S | 1384653E | VEKPA    | 291055S | 1511114E |
| URAMU    | 264550S | 1202708E | VELGI    | 332151S | 1475540E |
| URBEN    | 415236S | 1461736E | VELKA    | 275102S | 1531443E |
| URBEP    | 312816S | 1501833E | VELKU    | 370421S | 1583000E |
| URBIN    | 270319S | 1533808E | VEMDA    | 380910S | 1472337E |
| URBOB    | 355354S | 1500834E | VEMLA    | 265244S | 1582515E |
| URBUN    | 344913S | 1382313E | VEMON    | 323221S | 1170428E |

| WAYPOINT | LAT     | LONG     | WAYPOINT | LAT     | LONG     |
|----------|---------|----------|----------|---------|----------|
| VEMTO    | 191000S | 1202636E | VIPUB    | 193706S | 1451309E |
| VENEL    | 332824S | 1434624E | VIRAP    | 280536S | 1515700E |
| VENGA    | 212246S | 1151300E | VIRAT    | 344726S | 1384539E |
| VENPU    | 373327S | 1450043E | VIRGE    | 271312S | 1544429E |
| VENUL    | 335530S | 1513457E | VIROB    | 112548S | 1280311E |
| VENUP    | 311544S | 1153527E | VIROK    | 305711S | 1190947E |
| VENVO    | 374504S | 1450446E | VIRUR    | 332259S | 1490728E |
| VEPAN    | 315141S | 1162253E | VIRUV    | 285707S | 1343327E |
| VEPAP    | 290000S | 1443542E | VISAS    | 374018S | 1450135E |
| VEPAS    | 342447S | 1630000E | VISEP    | 202030S | 1131036E |
| VEPEK    | 222158S | 1191455E | VISER    | 372736S | 1474936E |
| VEPOK    | 340612S | 1370120E | VISIB    | 262712S | 1525748E |
| VEPUD    | 374150S | 1451244E | VITAA    | 350257S | 1380815E |
| VERAV    | 295939S | 1471509E | VIYYA    | 020000S | 0830000E |
| VERIK    | 274946S | 1532145E | VOMPA    | 194825S | 1465418E |
| VERIS    | 171611S | 1050000E | VONDO    | 281806S | 1522347E |
| VESIM    | 233409S | 1152131E | VONNI    | 331256S | 1512420E |
| VESOP    | 163933S | 1391013E | VOSSI    | 333626S | 1504756E |
| VESUN    | 245847S | 1630000E | WACKO    | 271117S | 1524511E |
| VETAK    | 311410S | 1510239E | WAGOO    | 280853S | 1184525E |
| VETIS    | 273414S | 1531102E | WALLI    | 292731S | 1202925E |
| VETOP    | 272101S | 1514146E | WALTA    | 194126S | 1473526E |
| VEVOR    | 423727S | 1473005E | WANGI    | 130748S | 1302657E |
| VEVAV    | 152847S | 1414455E | WANNA    | 315242S | 1155853E |
| VEVEX    | 273551S | 1531802E | WAREN    | 380100S | 1451842E |
| VEVOS    | 341927S | 1491919E | WARRA    | 244958S | 1141944E |
| VEXEV    | 303003S | 1474139E | WARTY    | 335423S | 1540656E |
| VIBID    | 255337S | 1133438E | WAYNS    | 314650S | 1163050E |
| VIBUX    | 371012S | 1300000E | WAZZA    | 364757S | 1463747E |
| VICKI    | 350655S | 1491255E | WEAVA    | 321706S | 1480848E |
| VICMA    | 344236S | 1383103E | WEBBA    | 215342S | 1171348E |
| VIDAR    | 374406S | 1443620E | WEENA    | 120000S | 1501801E |
| VIDIK    | 335742S | 1510517E | WEIRD    | 381131S | 1471958E |
| VIDUM    | 282434S | 1534906E | WELKE    | 213753S | 1493614E |
| VIKAM    | 345412S | 1504340E | WELLI    | 273000S | 1531506E |
| VIKIL    | 262559S | 1531349E | WELSH    | 340806S | 1501830E |
| VIKIS    | 315055S | 1155930E | WENDY    | 375024S | 1435842E |
| VIKUV    | 122127S | 1305826E | WENER    | 261550S | 1285645E |
| VILAD    | 342332S | 1392059E | WHALE    | 335906S | 1513441E |
| VILAL    | 423025S | 1472153E | WHEBB    | 283636S | 1200000E |
| VILER    | 271126S | 1525520E | WHITI    | 291020S | 1524516E |
| VILIG    | 350455S | 1492443E | WHOOO    | 272054S | 1200000E |
| VILIN    | 314042S | 1162734E | WILDE    | 373258S | 1444104E |
| VILOD    | 304541S | 1170221E | WINKY    | 271658S | 1523927E |
| VILON    | 095000S | 1351120E | WIRAL    | 274631S | 1182735E |
| VILUN    | 191544S | 1470308E | WIRMA    | 312200S | 1361942E |
| VIMAP    | 403927S | 1471154E | WISKA    | 193432S | 1451230E |
| VIMET    | 235223S | 1334440E | WIZZA    | 274023S | 1530255E |
| VIMUG    | 192215S | 1464242E | WOBBL    | 273322S | 1522515E |
| VIMUS    | 350406S | 1250000E | WODAY    | 285504S | 1552137E |
| VINAX    | 213518S | 1375333E | WOKKA    | 364113S | 1394000E |
| VINCN    | 345644S | 1382138E | WOKKI    | 121949S | 1305334E |
| VINOP    | 344207S | 1463101E | WOLAG    | 263417S | 1151557E |
| VINOX    | 191300S | 1460300E | WOLBI    | 352854S | 1481230E |
| VINUG    | 142746S | 1321928E | WOLGO    | 274059S | 1155529E |
| VIPAM    | 120000S | 1480114E | WONKA    | 322641S | 1520552E |
| VIPAR    | 240046S | 1324848E | WONSA    | 220000S | 1100000E |
| VIPES    | 413621S | 1471547E | WONYU    | 245530S | 1194449E |

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| <b>WAYPOINT</b> | <b>LAT</b> | <b>LONG</b> | <b>WAYPOINT</b> | <b>LAT</b> | <b>LONG</b> |
|-----------------|------------|-------------|-----------------|------------|-------------|
| WOODY           | 271417S    | 1522417E    | YARDD           | 172018S    | 1370918E    |
| WOOFA           | 121653S    | 1321539E    | YARRA           | 375030S    | 1445212E    |
| WOOFY           | 315130S    | 1154854E    | YEEDI           | 285207S    | 1193148E    |
| WOONA           | 344408S    | 1403159E    | YINDI           | 233232S    | 1335206E    |
| WOORA           | 314511S    | 1160441E    | YINGA           | 274407S    | 1191728E    |
| WUDOF           | 121334S    | 1305032E    | YIREE           | 313836S    | 1160855E    |
| WUNGO           | 321154S    | 1160142E    | YOGGI           | 323309S    | 1515350E    |
| WVFRN           | 165317S    | 1454135E    | YOKRA           | 300447S    | 1191934E    |
| WVFRS           | 165723S    | 1454306E    | YOTHU           | 235546S    | 1333858E    |
| WYLOO           | 224823S    | 1161547E    | YUNGA           | 314500S    | 1160909E    |
| WYMER           | 365218S    | 1425524E    | YUSEF           | 212554S    | 1350712E    |
| WYNOT           | 161519S    | 1492419E    | ZAARS           | 120159S    | 1293613E    |
| YAHMO           | 304301S    | 1185149E    | ZANEY           | 160144S    | 1455443E    |
| YAKKA           | 331132S    | 1511322E    | ZONKA           | 335729S    | 1510645E    |
| YANCO           | 351641S    | 1454354E    |                 |            |             |

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**VFR WAYPOINTS - ENCODED**

| <b>WAYPOINT</b>                  | <b>STATE</b> | <b>CODE</b> | <b>LAT</b> | <b>LONG</b> |
|----------------------------------|--------------|-------------|------------|-------------|
| ABEAM KUNOTH                     | NT           | KNO         | 233230S    | 1333300E    |
| ABM KILTO                        | WA           | ABKL        | 174419S    | 1224407E    |
| ABM TV TOWERS                    | QLD          | TVT         | 272830S    | 1525500E    |
| ACADEMY                          | VIC          | ACE         | 375345S    | 1451050E    |
| ACHERON ISLAND                   | QLD          | ANI         | 185740S    | 1463810E    |
| ACLAND                           | QLD          | ACLD        | 271815S    | 1514120E    |
| ADELAIDE CBD                     | SA           | ACTY        | 345600S    | 1383600E    |
| ADELAIDE RIVER BRIDGE            | NT           | ADB         | 123930S    | 1312000E    |
| ADELAIDE RIVER MOUTH             | NT           | ADRM        | 121306S    | 1311436E    |
| ADELONG                          | NSW          | AOG         | 351830S    | 1480400E    |
| ADMIRALTY ISLAND                 | QLD          | ADI         | 165900S    | 1454630E    |
| ADVENTURE WORLD                  | WA           | ADWD        | 320543S    | 1154904E    |
| ALAWOONA                         | SA           | ALON        | 344500S    | 1403000E    |
| ALBERT PARK LAKE                 | VIC          | APL         | 375120S    | 1445830E    |
| ALKIMOS WATER                    | WA           | AKMW        | 313649S    | 1154036E    |
| ALOOMBA                          | QLD          | ALBA        | 170618S    | 1455000E    |
| ALTONA                           | VIC          | ALOA        | 375200S    | 1445100E    |
| ALTONA SOUTH                     | VIC          | ALTS        | 375244S    | 1444836E    |
| ANGLESEA                         | VIC          | ANG         | 382500S    | 1441100E    |
| ANM PAPER MILL                   | NSW          | APM         | 360000S    | 1465900E    |
| ANNA BAY                         | NSW          | ANA         | 324700S    | 1520500E    |
| ANNA PLAINS                      | WA           | ANPL        | 191600S    | 1213100E    |
| ANTILL PLAINS                    | QLD          | ANP         | 192600S    | 1465000E    |
| APPIN                            | NSW          | APPN        | 341200S    | 1504718E    |
| ARCADIA HS                       | QLD          | ARCD        | 205200S    | 1380400E    |
| ARDENT                           | QLD          | AEN         | 264642S    | 1523442E    |
| ARMADALE SHOPS                   | WA           | SHOP        | 320854S    | 1160057E    |
| ARROWSMITH PT                    | NT           | AWP         | 131500S    | 1362700E    |
| ARUNDEL SUBSTATION               | NSW          | ASU         | 351230S    | 1472400E    |
| ATHERTON                         | QLD          | ATN         | 171530S    | 1453030E    |
| ATTUNGA                          | NSW          | ATG         | 305600S    | 1505020E    |
| ATV10                            | VIC          | ATV         | 375110S    | 1451005E    |
| AUSTRALIAN LIVESTOCK EQUINE CENT | NSW          | ALEC        | 310805S    | 1505516E    |
| AVOCA                            | TAS          | AVCA        | 414654S    | 1474310E    |
| BABINDA                          | QLD          | BADA        | 172030S    | 1455530E    |
| BACCHUS MARSH TOWNSHIP           | VIC          | BMP         | 374030S    | 1442620E    |
| BAKER LAKE                       | WA           | BKRL        | 264240S    | 1255847E    |
| BALD HILLS MAST                  | QLD          | BLHS        | 271847S    | 1530058E    |
| BALMORAL                         | VIC          | BOA         | 371500S    | 1415000E    |
| BANGALOW                         | NSW          | BANG        | 284112S    | 1533100E    |
| BARANDUDA TOWERS                 | VIC          | BDT         | 361500S    | 1465100E    |
| BARBAGALLO RACEWAY               | WA           | BARB        | 314000S    | 1154700E    |
| BARN HILL CARAVAN PARK           | WA           | BHCP        | 182207S    | 1220226E    |
| BARNES HILL                      | QLD          | BSL         | 271200S    | 1520600E    |
| BARRENJOEY HEAD                  | NSW          | BRNJ        | 333448S    | 1511936E    |
| BARRINGUN                        | NSW          | BRR         | 290100S    | 1454200E    |
| BARRON GORGE                     | QLD          | BRGE        | 165100S    | 1453900E    |
| BARWON PRISON                    | VIC          | BPN         | 375900S    | 1442100E    |
| BASS STRAIT                      | TAS          | KALK        | 393000S    | 1423000E    |
| BATEMANS BAY                     | NSW          | BATB        | 354300S    | 1501100E    |
| BATHURST ISLAND                  | NT           | BTI         | 114559S    | 1303700E    |
| BATMAN BRIDGE                    | TAS          | BNE         | 411303S    | 1465451E    |
| BAYWEST                          | VIC          | BAW         | 380000S    | 1445536E    |
| BEACHMERE                        | QLD          | BCM         | 270700S    | 1530300E    |
| BECTIVE HS                       | NSW          | BIV         | 305820S    | 1504418E    |
| BEECHMONT                        | QLD          | BENT        | 280800S    | 1531200E    |

| WAYPOINT                      | STATE | CODE | LAT     | LONG     |
|-------------------------------|-------|------|---------|----------|
| BEECHWORTH                    | VIC   | BCH  | 362130S | 1464120E |
| BELLBROOK                     | NSW   | BLR  | 304918S | 1523040E |
| BELLINGEN                     | NSW   | BLIG | 302720S | 1525350E |
| BEN NEVIS                     | TAS   | BENV | 412440S | 1473830E |
| BENDEMEER                     | NSW   | BND  | 305300S | 1510900E |
| BERILEE                       | NSW   | BEE  | 333712S | 1510618E |
| BESSIE POINT                  | QLD   | BESI | 165412S | 1454848E |
| BEVERIDGE                     | VIC   | BVG  | 372820S | 1445815E |
| BIDDESTON                     | QLD   | BDTN | 273330S | 1514300E |
| BIDGEE 1                      | ACT   | BIDG | 352128S | 1490056E |
| BIDGEE 2                      | ACT   | BDGE | 352659S | 1490316E |
| BINGIL BAY                    | QLD   | BIBA | 174940S | 1460605E |
| BIRDWOOD                      | SA    | BDWD | 344924S | 1385736E |
| BLACK MT                      | QLD   | BCT  | 210410S | 1490545E |
| BLACK MT                      | ACT   | BKM  | 351630S | 1490600E |
| BLACKSMITH ISLAND             | QLD   | BKIS | 203800S | 1490400E |
| BLI BLI CASTLE                | QLD   | BLIC | 263730S | 1530200E |
| BOAT HARBOUR                  | TAS   | BTM  | 405700S | 1453800E |
| BOATYARD                      | WA    | BOAT | 320902S | 1154557E |
| BODDINGTON                    | WA    | BODD | 324800S | 1162800E |
| BOGANTUNGAN                   | QLD   | BGN  | 233900S | 1471800E |
| BOLTE BRIDGE                  | VIC   | BLTB | 374909S | 1445556E |
| BOND SPRINGS                  | NT    | BSP  | 233100S | 1335100E |
| BOND UNIVERSITY               | QLD   | BUVY | 280436S | 1532436E |
| BONEGILLA                     | VIC   | BNG  | 360840S | 1470045E |
| BONGAREE                      | QLD   | BONG | 270500S | 1531100E |
| BOONDALL ENTERTAINMENT CENTRE | QLD   | BOON | 272030S | 1530503E |
| BORUMBA RESV                  | QLD   | BOAR | 263030S | 1523500E |
| BOTANY BAY HEADS              | NSW   | BBH  | 340030S | 1511430E |
| BOWEN                         | QLD   | BOWN | 200100S | 1481430E |
| BOWEN BRIDGE                  | TAS   | BOWB | 424900S | 1471800E |
| BOWENVILLE                    | QLD   | BWV  | 271820S | 1512915E |
| BOWMANS                       | SA    | BWMS | 340900S | 1381600E |
| BOWNA                         | NSW   | BOW  | 355700S | 1470700E |
| BOWRAL                        | NSW   | BWL  | 342845S | 1502505E |
| BOWRAVILLE                    | NSW   | BOV  | 303900S | 1525100E |
| BRAMPTON ISLAND               | QLD   | BPI  | 204820S | 1491600E |
| BRANXTON                      | NSW   | BAXT | 324000S | 1512100E |
| BREEZA                        | NSW   | BZA  | 311500S | 1502800E |
| BRIEBE BRIDGE                 | QLD   | BBBG | 270425S | 1530846E |
| BRIEBE ISLAND                 | QLD   | BBI  | 270001S | 1530835E |
| BRIGHTON                      | VIC   | BTO  | 375440S | 1445910E |
| BRIGHTON JETTY                | SA    | BTJ  | 350100S | 1383100E |
| BRINGELLY                     | NSW   | BRY  | 335630S | 1504342E |
| BRINSMEAD                     | QLD   | BRIN | 165430S | 1454230E |
| BRISBANE CBD                  | QLD   | BCTY | 272800S | 1530200E |
| BRISBANE CRICKET GROUND       | QLD   | BNCG | 272909S | 1530217E |
| BROADFORD                     | VIC   | BDF  | 371230S | 1450230E |
| BROOKLYN                      | VIC   | BYN  | 374940S | 1445130E |
| BROOKLYN BRIDGE               | NSW   | BBG  | 333227S | 1511145E |
| BROOKTON                      | WA    | BTON | 322200S | 1170100E |
| BROUGHTON ISLAND              | NSW   | BRI  | 323630S | 1521830E |
| BRUNSWICK HEADS               | NSW   | BRH  | 283230S | 1533300E |
| BUCHAN PT                     | QLD   | BUCP | 164410S | 1454004E |
| BUCHANAN HILLS                | NT    | BUCN | 185400S | 1310500E |
| BUCKLAND                      | TAS   | BKD  | 423640S | 1474300E |
| BUCKLAND PARK WEATHER RADAR   | SA    | BPK  | 343701S | 1382808E |
| BUNDAGEN HEAD                 | NSW   | BDH  | 302600S | 1530430E |

| WAYPOINT                  | STATE | CODE  | LAT     | LONG     |
|---------------------------|-------|-------|---------|----------|
| BUNGENDORE                | NSW   | BEN   | 351530S | 1492650E |
| BUNGIL BRIDGE             | VIC   | BUG   | 360300S | 1472100E |
| BURBONG                   | NSW   | URG   | 352025S | 1491835E |
| BURLEIGH HEADS            | QLD   | BLGH  | 280527S | 1532730E |
| BURNS BEACH               | WA    | BUB   | 314342S | 1154300E |
| BURRA                     | SA    | BURR  | 334100S | 1385600E |
| BURRAGA                   | NSW   | BUGA  | 335300S | 1493400E |
| BURRINJUCK                | NSW   | BJK   | 350018S | 1483500E |
| BURRUMBUTTOCK             | NSW   | BMK   | 355000S | 1464800E |
| BYFORD                    | WA    | BYFD  | 321300S | 1160200E |
| BYNOE HARBOUR             | NT    | BYNO  | 124500S | 1304100E |
| BYROCK                    | NSW   | BYRK  | 303900S | 1462400E |
| BYRON BAY                 | NSW   | BBAY  | 283900S | 1533700E |
| CABLEWAY TERMINAL         | QLD   | CBLT  | 165054S | 1454130E |
| CABOOLTURE                | QLD   | CABO  | 270515S | 1525700E |
| CALEN                     | QLD   | CALN  | 205400S | 1484610E |
| CALOUNDRA DROPZONE        | QLD   | CRDZ  | 264800S | 1530636E |
| CALTEX REFINERY           | QLD   | CALT  | 272454S | 1530930E |
| CALVERT                   | QLD   | CLVT  | 273949S | 1523057E |
| CAMBRAI                   | SA    | CBRA  | 343930S | 1391648E |
| CAMPANIA                  | TAS   | CPA   | 423958S | 1472521E |
| CAMPBELLTOWN              | TAS   | CLLN  | 415600S | 1472930E |
| CAMPBELLTOWN UNIVERSITY   | NSW   | CAMB  | 340418S | 1504700E |
| CANBERRA RACECOURSE       | ACT   | RCSE  | 351418S | 1490812E |
| CANNING BRIDGE            | WA    | CNB   | 320036S | 1155100E |
| CANNING DAM               | WA    | CDM   | 320915S | 1160730E |
| CANNONVALE                | QLD   | CAV   | 201640S | 1484130E |
| CANTERBURY RACECOURSE     | NSW   | CBY   | 335430S | 1510642E |
| CAPE BANKS                | NSW   | CAPS  | 335951S | 1511440E |
| CAPE CLEVELAND            | QLD   | CCL   | 191100S | 1470045E |
| CAPE CONWAY               | QLD   | CPY   | 203210S | 1485540E |
| CAPE GAMBIER              | NT    | CGR   | 115620S | 1305800E |
| CAPE GRAFTON              | QLD   | CGF   | 165150S | 1455500E |
| CAPE HILLSBOROUGH         | QLD   | CPH   | 205420S | 1490240E |
| CAPE JERVIS               | SA    | CAJE  | 353622S | 1380531E |
| CAPE KEITH                | NT    | CAKE  | 113700S | 1312800E |
| CAPE LAMBERT              | WA    | CMB   | 203536S | 1171100E |
| CAPE MORETON              | QLD   | CPMN  | 270200S | 1532800E |
| CAPE PORTLAND             | TAS   | CPLD  | 404500S | 1475700E |
| CAPE RICHE                | WA    | CPHE  | 343600S | 1184600E |
| CAPTAINS FLAT             | NSW   | CAPT  | 353528S | 1492643E |
| CARAMUT                   | VIC   | CAU   | 375800S | 1423100E |
| CARDINIA RESV             | VIC   | CARE  | 375730S | 1452500E |
| CARDONA                   | QLD   | CDNA  | 232000S | 1490000E |
| CARINDALE SHOPPING CENTRE | QLD   | CARIN | 273000S | 1530604E |
| CARRICK                   | TAS   | CIK   | 413200S | 1470000E |
| CARRUM                    | VIC   | CARR  | 380427S | 1450710E |
| CASTLE JUNCTION           | TAS   | CLJ   | 413020S | 1472900E |
| CASTLE PT                 | NT    | CTT   | 122100S | 1311630E |
| CASTLEREAGH POINT         | QLD   | CRPT  | 271132S | 1530641E |
| CECIL PLAINS              | QLD   | CCP   | 273200S | 1511100E |
| CEDUNA OBSERVATORY        | SA    | CAO   | 315200S | 1334800E |
| CENTENARY BRIDGE          | QLD   | CBRG  | 273139S | 1525648E |
| CERBERUS                  | VIC   | CERB  | 375800S | 1450000E |
| CHAFFEY DAM               | NSW   | CYM   | 312030S | 1510800E |
| CHANNEL ISLAND            | NT    | CHI   | 123300S | 1305200E |
| CHARLES PT                | NT    | CHAP  | 122258S | 1303705E |
| CHATSWOOD CBD             | NSW   | CHAT  | 334746S | 1511107E |

| WAYPOINT              | STATE | CODE | LAT     | LONG     |
|-----------------------|-------|------|---------|----------|
| CHILTERN              | VIC   | CHN  | 360845S | 1463625E |
| CHIPBOARD FACTORY     | NSW   | CIB  | 350415S | 1472415E |
| CHOCOLATE FACTORY     | TAS   | CHOC | 424735S | 1471604E |
| CHOPPERS NORTH        | NSW   | CNTH | 335254S | 1510130E |
| CHOPPERS SOUTH        | NSW   | CSTH | 335715S | 1505752E |
| CHOPPERS WEST         | NSW   | CWST | 335225S | 1510014E |
| CID HARBOUR           | QLD   | CIH  | 201500S | 1485600E |
| CITY BEACH            | WA    | CYB  | 315630S | 1154500E |
| CLEVEDON              | QLD   | CEN  | 192345S | 1470115E |
| CLEVELAND             | QLD   | CVD  | 273110S | 1531700E |
| CLIFFY ISLAND         | VIC   | CFI  | 385705S | 1464208E |
| CLIFTON SPRINGS       | VIC   | CLS  | 380900S | 1443400E |
| CLONAGH STN           | QLD   | CGH  | 200800S | 1404100E |
| CLONEYS CREEK         | QLD   | CLOY | 201300S | 1423600E |
| COBAKI                | NSW   | COBA | 281100S | 1532916E |
| COCKATOO              | VIC   | CKT  | 375618S | 1452942E |
| COLBINABBIN           | VIC   | CBI  | 363500S | 1444800E |
| COLLINGULLIE          | NSW   | CGE  | 350520S | 1470715E |
| COMERONG ISLAND       | NSW   | CONG | 345300S | 1504400E |
| CONARA JUNCTION       | TAS   | CJN  | 415000S | 1472600E |
| CONDONG MILL          | NSW   | CGM  | 281900S | 1532600E |
| COOBY CREEK RESV      | QLD   | CBYC | 272310S | 1515620E |
| COOK ISLAND           | NSW   | CIS  | 281150S | 1533440E |
| COOLAMON              | NSW   | CLMN | 344900S | 1471200E |
| COOLMUNDA RESV        | QLD   | CMDR | 282700S | 1511400E |
| COOLUM HI-RISE        | QLD   | COOL | 263140S | 1530514E |
| COOROY                | QLD   | CORO | 262500S | 1525430E |
| COPPERLODE DAM        | QLD   | CPL  | 165910S | 1454015E |
| COPPINS CROSSING      | ACT   | CPNG | 351718S | 1490236E |
| CORIN RESV            | ACT   | CVR  | 353230S | 1485000E |
| COSSACK               | WA    | COSS | 204036S | 1171124E |
| COTTER                | ACT   | COTR | 352017S | 1485930E |
| COTTESLOE             | WA    | CTE  | 315930S | 1154500E |
| COW ISLAND            | QLD   | COWI | 202522S | 1485041E |
| COWWARR               | VIC   | COWR | 380052S | 1464135E |
| CRADLE MOUNTAIN LODGE | TAS   | CML  | 413542S | 1455542E |
| CRAIGBOURNE RESV      | TAS   | CBV  | 423300S | 1472500E |
| CRAIGIEBURN OVERPASS  | VIC   | CGB  | 373610S | 1445620E |
| CRAYFISH              | SA    | CRAY | 383500S | 1394500E |
| CREMORNE              | TAS   | CREM | 425730S | 1473200E |
| CRESSY                | TAS   | CES  | 414130S | 1470500E |
| CRESWICK              | VIC   | CWK  | 372600S | 1435400E |
| CRONULLA              | NSW   | CUL  | 340342S | 1510912E |
| CROPPA CREEK          | NSW   | CRPC | 290800S | 1501800E |
| CROWS NEST            | QLD   | CNT  | 271610S | 1520320E |
| CUDGEN HEADLAND       | NSW   | CGD  | 281554S | 1533506E |
| CULCAIRN              | NSW   | CCN  | 354000S | 1470220E |
| DAINTREE              | QLD   | DAIN | 161500S | 1451900E |
| DALMORE DOWNS         | NT    | DLMO | 194630S | 1360006E |
| DALRYE                | QLD   | DRY  | 201000S | 1490400E |
| DAM WALL              | SA    | DMW  | 344530S | 1384315E |
| DARLIMURA             | VIC   | DARL | 382114S | 1461255E |
| DARLING HARBOUR       | NSW   | DHH  | 335130S | 1511200E |
| DARWIN RIVER DAM      | NT    | DND  | 124930S | 1305800E |
| DAYBORO               | QLD   | DBO  | 271200S | 1524915E |
| DAYLESFORD            | VIC   | DFD  | 372100S | 1440900E |
| DE GREY HS            | WA    | DGY  | 201030S | 1191010E |
| DEDERANG SUBSTATION   | VIC   | DSS  | 362712S | 1465924E |

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|------------------------|-------|------|---------|----------|
| DEEP WELL              | NT    | DPW  | 242130S | 1340300E |
| DELORAINÉ              | TAS   | DEL  | 413200S | 1464000E |
| DENHAM PASSAGE         | QLD   | DNP  | 112000S | 1432000E |
| DERWENT BRIDGE         | TAS   | DWB  | 420800S | 1461400E |
| DEVILS MARBLES         | NT    | DVM  | 203200S | 1341500E |
| DICKY BEACH            | QLD   | DIBE | 264655S | 1530820E |
| DODDS ISLAND           | NSW   | DODI | 281453S | 1533201E |
| DOLLS POINT            | NSW   | DLPT | 335941S | 1510853E |
| DONCASTER SHOPPINGTOWN | VIC   | DSN  | 374700S | 1450730E |
| DONNINGTON AIRPARK     | QLD   | DOP  | 193606S | 1465030E |
| DOOMBEN RACECOURSE     | QLD   | DOOM | 272536S | 1530412E |
| DORRIGO                | NSW   | DRO  | 302030S | 1524245E |
| DOUBLE CONE ISLAND     | QLD   | DCIS | 200600S | 1484300E |
| DOUBLE ISLAND          | QLD   | DOU  | 164330S | 1454100E |
| DOUBLE ISLAND PT       | QLD   | DLP  | 255500S | 1531100E |
| DOUBLE PT              | QLD   | DBPT | 115200S | 1425400E |
| DREAMWORLD             | QLD   | DRLD | 275154S | 1531900E |
| DROMANA                | VIC   | DRM  | 382000S | 1445800E |
| DROUGHTY PT            | TAS   | DRP  | 425600S | 1472500E |
| DROUIN                 | VIC   | DRN  | 380800S | 1455100E |
| DRY CREEK              | SA    | DCRK | 345000S | 1383500E |
| DUARINGA               | QLD   | DAG  | 234314S | 1494008E |
| DUBLIN                 | SA    | DUB  | 342715S | 1382100E |
| DUNALLEY               | TAS   | DLY  | 425330S | 1474815E |
| DUNGOWAN               | NSW   | DGN  | 311300S | 1510700E |
| DUNGOWAN DAM           | NSW   | DUWN | 312400S | 1512100E |
| DURI GAP               | NSW   | DUA  | 311200S | 1504200E |
| DURI MT                | NSW   | DMT  | 311215S | 1504350E |
| DURONG                 | QLD   | DONG | 262400S | 1511500E |
| DUTTON                 | SA    | DTON | 342200S | 1390800E |
| EAGLE HAWK NECK        | TAS   | EAN  | 430100S | 1475400E |
| EARL HILL              | QLD   | EARH | 164800S | 1454200E |
| EARLVILLE              | QLD   | EARV | 165718S | 1454418E |
| EAST ARM               | NT    | EAM  | 123100S | 1305600E |
| EAST GRETA             | NSW   | EGT  | 324415S | 1513215E |
| EAST PT                | NT    | ETP  | 122430S | 1304900E |
| EDDYSTONE PT           | TAS   | EDP  | 405954S | 1482054E |
| EDMONTON               | QLD   | EDT  | 170130S | 1454350E |
| ELDORADO               | VIC   | ELDO | 361840S | 1463115E |
| ELIZABETH RIVER BRIDGE | NT    | ERB  | 123235S | 1305830E |
| EMILY GAP              | NT    | EMY  | 234422S | 1335633E |
| ENDEAVOUR REEF         | QLD   | EDOR | 154700S | 1453400E |
| EPHING                 | VIC   | EPGP | 373835S | 1450130E |
| ERSKINEVILLE OVAL      | NSW   | ERSK | 335408S | 1511126E |
| ETON                   | QLD   | ETON | 211600S | 1485820E |
| ETTAMOGAH PUB          | NSW   | ETTA | 355806S | 1470030E |
| EUMUNDI                | QLD   | EMI  | 262850S | 1525710E |
| EWANINGA               | NT    | EWI  | 235900S | 1335600E |
| EWEN MADDOCK DAM       | QLD   | EMD  | 264640S | 1530030E |
| FALSE CAPE             | QLD   | FCP  | 165230S | 1455100E |
| FARRER HIGH SCHOOL     | NSW   | FHS  | 310830S | 1505900E |
| FEDERATION PEAK        | TAS   | FDP  | 431600S | 1462700E |
| FERNVALE               | QLD   | FNVL | 272715S | 1523910E |
| FIELD ISLAND           | NT    | FLDI | 120600S | 1322300E |
| FISHERMANS ISLAND      | QLD   | FISH | 272312S | 1531036E |
| FISHERMANS PARADISE    | NSW   | FSHR | 351350S | 1502654E |
| FITNESS CAMP           | NSW   | FIT  | 351000S | 1473720E |
| FITZROY ISLAND         | QLD   | FID  | 165600S | 1455930E |

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|-----------------------|-------|------|---------|----------|
| FLEMINGTON            | VIC   | FGN  | 374735S | 1445440E |
| FLINDERS PEAK         | QLD   | FPK  | 274900S | 1524830E |
| FLYNN                 | VIC   | FYN  | 381138S | 1464024E |
| FORMARTIN             | QLD   | FMN  | 272345S | 1512430E |
| FORRESTDALE LAKE      | WA    | FDL  | 320935S | 1155550E |
| FORRESTFIELD          | WA    | FFLD | 315919S | 1160104E |
| FOWLERS BAY           | SA    | FOWB | 315900S | 1322600E |
| FREELING              | SA    | FRLG | 342724S | 1384830E |
| FREEWAY OVERPASS      | VIC   | FWO  | 374743S | 1445938E |
| FREMANTLE             | WA    | FRE  | 320330S | 1154430E |
| FREMANTLE GOLF COURSE | WA    | FREM | 320317S | 1154625E |
| FRESHWATER VALLEY     | QLD   | FRWV | 165700S | 1454118E |
| GALGA                 | SA    | GLGA | 344300S | 1395800E |
| GALLANGOWAN           | QLD   | GGN  | 262558S | 1521945E |
| GALLILEE              | QLD   | GAE  | 222300S | 1455900E |
| GAOL WATER TOWER      | NT    | GWTR | 235130S | 1334800E |
| GATE SOUTH            | NSW   | GST  | 311725S | 1504105E |
| GATE WEST             | NSW   | GWT  | 310115S | 1503420E |
| GATEWAY BRIDGE        | QLD   | GWB  | 272645S | 1530600E |
| GAWLER DAM            | SA    | GWDM | 343347S | 1384616E |
| GEMBROOK              | VIC   | GEK  | 375700S | 1453300E |
| GEORGES RIVER BRIDGE  | NSW   | GRB  | 340012S | 1510636E |
| GEPPS CROSS           | SA    | GEP  | 345100S | 1383600E |
| GEROGERY              | NSW   | GOY  | 355020S | 1465930E |
| GIBSON REEF           | QLD   | GNR  | 171900S | 1462100E |
| GILBERLAND MINE       | QLD   | GIM  | 191800S | 1433600E |
| GIRU                  | QLD   | GIRU | 193045S | 1470620E |
| GLADESVILLE BRIDGE    | NSW   | GVB  | 335030S | 1510848E |
| GLEN BRAY             | NSW   | GBRY | 355530S | 1470030E |
| GLENBURN              | VIC   | GBR  | 372530S | 1452520E |
| GLENLOCH INTERCHANGE  | NSW   | GLEN | 351704S | 1490506E |
| GLENMORGAN            | QLD   | GMN  | 271500S | 1494100E |
| GLENORCHY             | SA    | GLC  | 315500S | 1394700E |
| GLENREAGH             | NSW   | GRE  | 300315S | 1525840E |
| GLENROCK HS           | QLD   | GRK  | 150700S | 1450500E |
| GLOUCESTER            | NSW   | GCR  | 320015S | 1515800E |
| GMH                   | VIC   | GMH  | 380030S | 1451420E |
| GOLDSMITH ISLAND      | QLD   | GOI  | 204100S | 1490900E |
| GOODNA                | QLD   | GON  | 273700S | 1525315E |
| GOOGONG RESV          | NSW   | GGV  | 352515S | 1491540E |
| GOOMBUNGEE            | QLD   | GMBG | 271830S | 1515100E |
| GOONANEMAN            | QLD   | GNN  | 252600S | 1520800E |
| GOONOO GOONOO HS      | NSW   | GGO  | 311835S | 1505420E |
| GORDONVALE            | QLD   | GOV  | 170520S | 1454700E |
| GOWRIE JUNCTION       | QLD   | GOW  | 273000S | 1515310E |
| GRANYA                | VIC   | GRAA | 360640S | 1471900E |
| GRAVELLY BEACH        | TAS   | GVH  | 411715S | 1465820E |
| GREEN HILLS           | WA    | GRHL | 315530S | 1165730E |
| GREEN ISLAND (CAIRNS) | QLD   | GNIS | 164530S | 1455830E |
| GREEN ISLAND (MACKAY) | QLD   | GRL  | 205900S | 1490900E |
| GREENHILL             | QLD   | GRNH | 170224S | 1454818E |
| GREENMOUNT            | QLD   | GNM  | 274700S | 1515700E |
| GROSE RIVER           | NSW   | GRRV | 333652S | 1504013E |
| GUNDAGAI              | NSW   | GDG  | 350340S | 1480610E |
| GUNN PT               | NT    | GUP  | 121100S | 1305930E |
| GUNNING               | NSW   | GUNN | 344654S | 1491600E |
| GUTHALUNGRA           | QLD   | GUNG | 195600S | 1475000E |
| HADSPEN               | TAS   | HSP  | 413030S | 1470330E |

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| HALL                    | ACT   | HALL | 351006S | 1490406E |
| HAMMOND ISLAND          | QLD   | HMM  | 103200S | 1421300E |
| HAMPTON                 | QLD   | HMN  | 272130S | 1520400E |
| HAPPY VALLEY            | QLD   | HAVY | 264828S | 1530759E |
| HARBOUR BRIDGE          | NSW   | HBB  | 335112S | 1511230E |
| HAREFIELD               | NSW   | HAF  | 345750S | 1473100E |
| HARROGATE               | SA    | HGTE | 345712S | 1390106E |
| HARVEY                  | WA    | HARV | 330500S | 1155400E |
| HASTINGS                | QLD   | HSTI | 281800S | 1451100E |
| HASTINGS PT             | NSW   | HASS | 282130S | 1533448E |
| HATFIELD                | NSW   | HATF | 334200S | 1433900E |
| HAVANNAH ISLAND         | QLD   | HVI  | 185040S | 1463220E |
| HAY PT                  | QLD   | HPT  | 211640S | 1491730E |
| HAZELWOOD ISLAND        | QLD   | HAZ  | 201700S | 1490500E |
| HEATHCOTE TOWNSHIP      | VIC   | HEAT | 365500S | 1444200E |
| HELENA RIVER RESV       | WA    | HRR  | 320005S | 1161336E |
| HELENSBURGH             | NSW   | HNB  | 341130S | 1505830E |
| HELIDON                 | QLD   | HED  | 273300S | 1520800E |
| HENLEY JETTY            | SA    | HNLY | 345511S | 1382927E |
| HENTY                   | NSW   | HNTY | 353130S | 1470200E |
| HERDSMAN LAKE           | WA    | HKE  | 315513S | 1154850E |
| HEXHAM BRIDGE           | NSW   | HXB  | 324948S | 1514124E |
| HIGH PERFORMANCE AREA 3 | QLD   | HIP  | 270858S | 1535049E |
| HIGH VOLTAGE            | QLD   | HVTG | 170051S | 1454548E |
| HILTON MINE             | QLD   | HIM  | 203400S | 1392900E |
| HINCHINBROOK ISLAND     | QLD   | HNCH | 182200S | 1461500E |
| HINZE DAM WALL          | QLD   | HDWL | 280300S | 1531712E |
| HOBART CBD              | TAS   | HCTY | 425300S | 1472000E |
| HOLBROOK TOWNSHIP       | NSW   | HBKT | 354350S | 1471930E |
| HOLMES REEF             | QLD   | HOLM | 163000S | 1480000E |
| HOMEBUSH                | QLD   | HBU  | 211650S | 1490300E |
| HOOD PT                 | WA    | HDP  | 342300S | 1193400E |
| HOPE INLET              | NT    | HPI  | 121940S | 1310100E |
| HOPE VALLEY RESV        | SA    | HVR  | 345100S | 1384100E |
| HORDERN HILLS           | NT    | HORD | 203900S | 1301900E |
| HORIZONTAL WATERFALLS   | WA    | HZWF | 162300S | 1235800E |
| HORNIBROOK VIADUCT      | QLD   | HBVT | 271626S | 1530421E |
| HORNSBY                 | NSW   | HSY  | 334130S | 1510624E |
| HOSKINSTOWN             | NSW   | HST  | 352520S | 1492700E |
| HOWLONG                 | NSW   | HWG  | 355835S | 1463730E |
| HUGH RIVER              | NT    | HGR  | 242100S | 1332600E |
| HUME WEIR WALL          | VIC   | HHW  | 360640S | 1470130E |
| HUMMOCKY HILLS          | TAS   | HYH  | 414400S | 1471500E |
| HUNGERFORD              | NSW   | HRD  | 290000S | 1442400E |
| HYDEN                   | WA    | HYDN | 322700S | 1185200E |
| INDEE HS                | WA    | IND  | 204710S | 1183530E |
| INDIANA                 | NT    | IDNA | 232000S | 1352600E |
| INDULKANA TOWNSHIP      | SA    | IDK  | 265757S | 1331930E |
| INGLEBURN               | NSW   | INGL | 335818S | 1505130E |
| IPPIA HILL              | NT    | IPHL | 250700S | 1330300E |
| ISRAELITE BAY           | WA    | ISB  | 333700S | 1235300E |
| JACKO'S JUNCTION        | NT    | JAC  | 121548S | 1310212E |
| JACKSON RIVER           | QLD   | JNR  | 113500S | 1420000E |
| JACOB'S SUGARLOAF       | TAS   | JSL  | 415630S | 1471800E |
| JACOB'S WELL            | WA    | JACW | 320200S | 1171200E |
| JAMES PRICE POINT       | WA    | JMPP | 172906S | 1220837E |
| JARRAHDAL               | WA    | JADL | 322024S | 1160430E |
| JAY CREEK               | NT    | JCK  | 234712S | 1333000E |

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|------------------------|-------|------|---------|----------|
| JEANNIE RIVER          | QLD   | JEA  | 144400S | 1445200E |
| JESSIE GAP             | NT    | JES  | 234455S | 1340105E |
| JIBBON PT              | NSW   | JIBN | 340506S | 1511012E |
| JINDERA                | NSW   | JIA  | 355730S | 1465315E |
| JONDARYAN              | QLD   | JDN  | 272200S | 1513515E |
| JUG CREEK              | QLD   | JGK  | 220000S | 1444200E |
| JUMPINPIN              | QLD   | JPP  | 274400S | 1532700E |
| JUNEE                  | NSW   | JNEE | 345200S | 1473500E |
| JUPITERS CASINO        | QLD   | JUP  | 280157S | 1532546E |
| KAIMKILLENBUN          | QLD   | KKN  | 270400S | 1512600E |
| KALKALLO               | VIC   | KAO  | 373212S | 1445642E |
| KEATS ISLAND           | QLD   | KTS  | 94100S  | 1432700E |
| KEERWEE                | QLD   | KERW | 251300S | 1512100E |
| KENDALL                | QLD   | KALL | 141200S | 1413600E |
| KESWICK ISLAND         | QLD   | KSI  | 205500S | 1492500E |
| KIAMA                  | NSW   | KMA  | 344000S | 1505100E |
| KIANDRA                | NSW   | KIAN | 355200S | 1483000E |
| KIDSON BLUFF           | WA    | KDBF | 221500S | 1250200E |
| KIEWA                  | VIC   | KIWA | 361530S | 1470030E |
| KILCOY TOWNSHIP        | QLD   | KLCY | 265630S | 1523350E |
| KILKIVAN               | QLD   | KKV  | 260500S | 1521448E |
| KILMORE                | VIC   | KIM  | 371800S | 1445715E |
| KILMORE GAP            | VIC   | KMG  | 371800S | 1445900E |
| KILTO                  | WA    | KLTO | 174129S | 1224249E |
| KING CASCADES          | WA    | KCAS | 153730S | 1251800E |
| KING RANCH TULLY       | QLD   | KRT  | 180500S | 1455000E |
| KINGLAKE               | VIC   | KGLE | 373120S | 1452100E |
| KINGS BEACH            | QLD   | KBCH | 264819S | 1530824E |
| KINGSCLIFF             | NSW   | KCFF | 281500S | 1533418E |
| KINGSTHORPE            | QLD   | KGT  | 272840S | 1514850E |
| KINGSTON CENTRE        | VIC   | KINN | 375724S | 1450436E |
| KIRRA                  | NSW   | KIRA | 280959S | 1533121E |
| KISSING POINT          | QLD   | KSPT | 191430S | 1464820E |
| KONGWAK                | VIC   | KNW  | 383100S | 1454300E |
| KOOLATONG RIVER        | NT    | KTG  | 130500S | 1353900E |
| KOOMBOOLOOMBA DAM      | QLD   | KBD  | 175000S | 1453600E |
| KOOMOOLOOBOOKA CAVE    | SA    | KOOM | 312900S | 1293500E |
| KOORANA CROCODILE FARM | QLD   | KANC | 231855S | 1504534E |
| KOOTINGAL              | NSW   | KOT  | 310300S | 1510300E |
| KOPPEN PARK            | QLD   | KOPP | 165552S | 1454402E |
| KOREELAH               | SA    | KREE | 355500S | 1365500E |
| KUNWARARA              | QLD   | KUN  | 225500S | 1500800E |
| KURANDA                | QLD   | KRN  | 164900S | 1453815E |
| KURMOND                | NSW   | KRMD | 333303S | 1504114E |
| KYEAMBA PARK           | NSW   | KYP  | 352650S | 1473700E |
| KYEAMBA TOWER          | NSW   | KYE  | 353130S | 1473530E |
| KYNETON                | VIC   | KTN  | 371450S | 1442730E |
| LADYSMITH              | NSW   | LDH  | 351240S | 1473100E |
| LAIDLEY                | QLD   | LDLY | 273800S | 1522300E |
| LAKE ALBERT            | NSW   | LKT  | 351040S | 1472148E |
| LAKE AMADEUS           | NT    | LKAD | 243448S | 1302742E |
| LAKE BATHURST          | NSW   | LBT  | 350300S | 1494100E |
| LAKE CLARENDON         | QLD   | LKON | 272930S | 1522100E |
| LAKE CORANGAMITE       | VIC   | LCR  | 380600S | 1433100E |
| LAKE CURRIMUNDI        | QLD   | LCDI | 264555S | 1530812E |
| LAKE DEANE             | NT    | LAD  | 124400S | 1310100E |
| LAKE DISAPPOINTMENT    | WA    | LDAP | 233000S | 1224000E |
| LAKE ECHO              | TAS   | LKEC | 421000S | 1463800E |



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| LAKE EPSOM                   | QLD   | LEM  | 212920S | 1485000E |
| LAKE EYRE NORTH              | SA    | LEYN | 282500S | 1371800E |
| LAKE FINNISS                 | NT    | LFS  | 122250S | 1312830E |
| LAKE FROME                   | SA    | LFRO | 303800S | 1395200E |
| LAKE GEORGE NORTH            | NSW   | LGGN | 345918S | 1492330E |
| LAKE GEORGE SOUTH            | NSW   | LGGS | 351210S | 1492430E |
| LAKE GILLEN                  | WA    | LGEN | 261300S | 1243600E |
| LAKE GININDERRA              | ACT   | LGDA | 351400S | 1490406E |
| LAKE HINDMARSH               | VIC   | LKH  | 360700S | 1415200E |
| LAKE ILMA                    | WA    | LKIM | 291500S | 1274600E |
| LAKE KING                    | WA    | LKG  | 330500S | 1194000E |
| LAKE MANCHESTER              | QLD   | LMC  | 272900S | 1524600E |
| LAKE MAURICE                 | SA    | LME  | 292400S | 1305700E |
| LAKE MINIGWAL                | WA    | LMWL | 293500S | 1231000E |
| LAKE MOGERAH                 | QLD   | LOOH | 280200S | 1523300E |
| LAKE NEALE                   | NT    | LKNL | 241450S | 1295759E |
| LAKE RAESIDE                 | WA    | LRID | 293300S | 1221800E |
| LAKE RASON                   | WA    | LRAN | 284000S | 1241700E |
| LAKE SURPRISE                | NT    | LSPR | 201400S | 1314800E |
| LAKE THROSSELL               | WA    | LTl  | 273800S | 1240500E |
| LAKE TORRENS                 | SA    | LTRR | 312518S | 1380512E |
| LAKE WHITE                   | NT    | WITE | 210600S | 1290300E |
| LAKE YEO                     | WA    | LYEO | 280305S | 1243306E |
| LAKES ENTRANCE               | VIC   | LKEE | 375200S | 1480000E |
| LANCEFIELD                   | VIC   | LCD  | 371640S | 1444340E |
| LANCELIN TOWNSHIP            | WA    | LANC | 310107S | 1151942E |
| LANGHAM                      | QLD   | LGH  | 221200S | 1500600E |
| LANGHORNE CREEK              | SA    | LHCK | 351745S | 1390240E |
| LANSDOWNE                    | WA    | LSDW | 173654S | 1264436E |
| LATROBE UNIVERSITY           | VIC   | LUY  | 374300S | 1450300E |
| LAUDERDALE                   | TAS   | LAUD | 425400S | 1473000E |
| LAVERTON                     | VIC   | LVAB | 375149S | 1444445E |
| LAVERTON BOM TOWER           | VIC   | TON  | 375119S | 1444519E |
| LAWRENCE GORGE               | NT    | LWG  | 240100S | 1332430E |
| LAYOAK ISLAND                | QLD   | LAOS | 95100S  | 1431900E |
| LEE PT                       | NT    | LPT  | 122000S | 1305400E |
| LEOPOLD                      | VIC   | LPD  | 381130S | 1442800E |
| LIGHTHORSE INTERCHANGE M7/M4 | NSW   | LIHR | 334753S | 1505115E |
| LILYDALE                     | TAS   | LIY  | 411500S | 1471300E |
| LINDENOW SOUTH               | VIC   | LOWS | 374942S | 1472600E |
| LINVILLE                     | QLD   | LVE  | 265100S | 1521600E |
| LITTLE MULGRAVE              | QLD   | LMGE | 170820S | 1454330E |
| LITTLE RIVER MOUTH           | VIC   | LRM  | 380025S | 1443500E |
| LOBETHAL                     | SA    | LBET | 345400S | 1385200E |
| LOCH SPORT                   | VIC   | LSR  | 380300S | 1473500E |
| LOGIC CENTRE                 | VIC   | LOGI | 360436S | 1464306E |
| LONG REEF                    | NSW   | LRF  | 334431S | 1511917E |
| LONGFORD CREEK               | QLD   | LFC  | 201230S | 1482200E |
| LORNE TOWNSHIP               | VIC   | LORN | 383236S | 1435812E |
| LOW HEAD                     | TAS   | LHD  | 410400S | 1464800E |
| LOW ISLETS                   | QLD   | LWI  | 162300S | 1453400E |
| LOW ROCKY PT                 | TAS   | LRP  | 430000S | 1453000E |
| LOWOOD                       | QLD   | LWD  | 272800S | 1523500E |
| LUCINDA                      | QLD   | LND  | 183200S | 1462000E |
| LYND RIVER                   | QLD   | LYNR | 172400S | 1434500E |
| MACHANS BEACH                | QLD   | MACB | 165100S | 1454500E |
| MACKENZIE RIVER              | QLD   | MZR  | 231000S | 1493000E |
| MACKSVILLE                   | NSW   | MKV  | 304230S | 1525455E |

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| MAGILL ESTATE WINERY     | SA    | MGEW | 345512S | 1384048E |
| MAGNESITE MINE           | QLD   | MAS  | 225318S | 1501100E |
| MANDORAH                 | NT    | MADO | 122630S | 1304540E |
| MANDURAH                 | WA    | MDU  | 323148S | 1154318E |
| MANGALORE                | TAS   | MGL  | 423930S | 1471430E |
| MANGOPLAH                | NSW   | MOP  | 352330S | 1471430E |
| MANILLA                  | NSW   | MAL  | 304500S | 1504325E |
| MANLY                    | NSW   | MNLY | 334754S | 1511720E |
| MANLY BOAT HARBOUR       | QLD   | MBHB | 272723S | 1531128E |
| MANTON DAM               | NT    | MTD  | 125100S | 1310730E |
| MAREEBA                  | QLD   | MBA  | 170406S | 1452506E |
| MARIA ISLAND             | TAS   | MRL  | 423800S | 1480500E |
| MARINO LIGHT HOUSE       | SA    | MLIT | 350315S | 1383045E |
| MARINO'S QUARRY          | QLD   | MARQ | 165512S | 1454337E |
| MAROUBRA BEACH           | NSW   | MRBR | 335700S | 1511524E |
| MARRAR                   | NSW   | MAR  | 344930S | 1472100E |
| MARRAWAH                 | TAS   | MARR | 405438S | 1444227E |
| MARTHA PT                | VIC   | MHT  | 381900S | 1445900E |
| MARY KATHLEEN            | QLD   | MKN  | 204700S | 1395900E |
| MARYSVILLE               | VIC   | MVL  | 373100S | 1454500E |
| MASTHEAD ISLAND          | QLD   | MHD  | 233200S | 1514400E |
| MAURICE HILL             | QLD   | MRH  | 235600S | 1511500E |
| MAYDNA                   | TAS   | MAYD | 424549S | 1463550E |
| MAYFIELD                 | NSW   | MYF  | 335745S | 1503730E |
| MAYLANDS POLICE ACADEMY  | WA    | MAYL | 315648S | 1155412E |
| MCGAURAN BEACH           | VIC   | MGBH | 382656S | 1470557E |
| MCLAREN VALE             | SA    | MVAL | 351330S | 1383250E |
| MELBOURNE CBD            | VIC   | MCTY | 374830S | 1445730E |
| MELBOURNE CRICKET GROUND | VIC   | MCG  | 374912S | 1445900E |
| MELTON SOUTH             | VIC   | MELS | 374100S | 1443400E |
| MENANGLE                 | NSW   | MEG  | 340730S | 1504430E |
| MERION                   | QLD   | MRI  | 225200S | 1490200E |
| MERRIJIG                 | VIC   | MRJ  | 370700S | 1461500E |
| MIAREE POOL BRIDGE       | WA    | MIAR | 205100S | 1163636E |
| MICHELAGO                | NSW   | MHGO | 354300S | 1491000E |
| MIDGE ISLAND             | QLD   | MII  | 204130S | 1484540E |
| MILLS CROSS              | NSW   | MCRO | 352215S | 1492529E |
| MILLSTREAM STN           | WA    | MSTM | 213700S | 1170400E |
| MILPEROO                 | QLD   | MPO  | 231100S | 1411500E |
| MINJILANG                | NT    | MIJ  | 110854S | 1323450E |
| MISSION BEACH            | QLD   | MISB | 175215S | 1460625E |
| MISSION BEACH            | QLD   | MSC  | 175300S | 1460600E |
| MITIAMO                  | VIC   | MITI | 361242S | 1441348E |
| MOFFAT BEACH             | QLD   | MFBH | 264719S | 1530830E |
| MOFFAT HEAD              | QLD   | MFH  | 264723S | 1530823E |
| MOOLOOLABA               | QLD   | MBH  | 264200S | 1530800E |
| MOONEE VALLEY RACECOURSE | VIC   | MVC  | 374600S | 1445600E |
| MOONIE                   | QLD   | MIE  | 274300S | 1502200E |
| MOORE PARK SUPA CENTRE   | NSW   | MPSC | 335410S | 1511253E |
| MORNINGTON               | TAS   | MORN | 425126S | 1472443E |
| MOSS VALE                | NSW   | MSV  | 343131S | 1502518E |
| MOSSMAN                  | QLD   | MMA  | 162730S | 1452220E |
| MOUNT BARKER             | SA    | BAK  | 350440S | 1385200E |
| MOUNT BENSTEAD           | NT    | MBST | 233400S | 1341630E |
| MOUNT BLACK              | QLD   | MBC  | 191700S | 1463330E |
| MOUNT BLACKWOOD          | QLD   | MBK  | 210200S | 1485630E |
| MOUNT BOHLE              | QLD   | MTBL | 191600S | 1464120E |
| MOUNT BOLD RESV          | SA    | MBR  | 350715S | 1384200E |

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| MOUNT BOYCE              | NSW   | MTB  | 333707S | 1501627E |
| MOUNT CARNARVON          | QLD   | MCAR | 245500S | 1482300E |
| MOUNT CHRISTIE           | SA    | MCHR | 303300S | 1331300E |
| MOUNT COMPASS            | SA    | MCOM | 352100S | 1383700E |
| MOUNT COOKE              | WA    | MTK  | 322500S | 1161824E |
| MOUNT COOLUM             | QLD   | MTC  | 263340S | 1530500E |
| MOUNT CORAMBA            | NSW   | MTBA | 301315S | 1530300E |
| MOUNT COREE              | ACT   | TCR  | 351830S | 1484835E |
| MOUNT COTTON             | QLD   | MCOO | 273720S | 1531300E |
| MOUNT COTTRELL           | VIC   | MCOT | 374548S | 1443712E |
| MOUNT DALE               | WA    | MUE  | 320736S | 1161748E |
| MOUNT DAY                | WA    | MDY  | 320800S | 1203000E |
| MOUNT ELEPHANT           | QLD   | MELE | 162700S | 1445600E |
| MOUNT EVERARD            | WA    | MEV  | 251100S | 1250400E |
| MOUNT FUNNEL             | QLD   | MFN  | 213730S | 1492310E |
| MOUNT GLORIOUS           | QLD   | MGLQ | 272000S | 1524600E |
| MOUNT GRAVATT            | QLD   | MVT  | 273300S | 1530430E |
| MOUNT JACKSON HS         | WA    | MJK  | 301200S | 1190600E |
| MOUNT KINGSTON           | NT    | MTKI | 252600S | 1333800E |
| MOUNT LION               | QLD   | MLI  | 232330S | 1501915E |
| MOUNT LUCY               | NT    | MLUY | 223600S | 1333200E |
| MOUNT MACEDON            | VIC   | MCD  | 372230S | 1443435E |
| MOUNT MARIA              | QLD   | MTMA | 272800S | 1512900E |
| MOUNT MOLLOY             | QLD   | MMY  | 164040S | 1451945E |
| MOUNT MOOMBIL            | NSW   | MOB  | 301902S | 1525135E |
| MOUNT MORGAN             | QLD   | MGN  | 233840S | 1502330E |
| MOUNT MUGGA              | ACT   | MTM  | 352115S | 1490745E |
| MOUNT NINDERRY           | QLD   | MIY  | 263315S | 1525930E |
| MOUNT OORAMINNA          | NT    | OOR  | 240530S | 1340010E |
| MOUNT PALERANG           | NSW   | MPG  | 352600S | 1493600E |
| MOUNT PIPER              | VIC   | PIPR | 371218S | 1450012E |
| MOUNT PLEASANT           | SA    | MPT  | 344630S | 1390300E |
| MOUNT SOMERVILLE RADAR   | NSW   | SOV  | 281256S | 1532534E |
| MOUNT STEWAN             | QLD   | MTEW | 202200S | 1440300E |
| MOUNT STROMLO            | ACT   | MUM  | 351900S | 1490030E |
| MOUNT SYDNEY             | WA    | MUSD | 212400S | 1211200E |
| MOUNT TAYLOR             | ACT   | MTLR | 352224S | 1490436E |
| MOUNT TYSON              | QLD   | MTY  | 273500S | 1513400E |
| MOUNT UNDOOLYA           | NT    | MUO  | 234420S | 1340610E |
| MOUNT VERNON HS          | WA    | MVO  | 241400S | 1181400E |
| MOUNT VICTORIA           | NSW   | MVI  | 333500S | 1501500E |
| MOUNT WALKER             | QLD   | MTWK | 274720S | 1523326E |
| MOUNT WARNING            | NSW   | MTWG | 282400S | 1531600E |
| MOUNT WELLINGTON         | VIC   | MTWN | 373336S | 1464836E |
| MOUNT WHEELER            | QLD   | MWH  | 231335S | 1504059E |
| MOUNT WILKIE             | WA    | MWK  | 205706S | 1162506E |
| MOUTH OF THE BLACK RIVER | QLD   | MBKR | 191048S | 1463912E |
| MOUTH OF THE BOHLE RIVER | QLD   | MBHR | 191148S | 1464206E |
| MT MARGARET              | QLD   | MMT  | 192100S | 1463606E |
| MUD ISLAND               | QLD   | MUDI | 272000S | 1531500E |
| MUDGEERABA               | QLD   | MEER | 280500S | 1532200E |
| MULLALOO PT              | WA    | MUP  | 314830S | 1154330E |
| MULLEN                   | QLD   | LLN  | 250212S | 1530000E |
| MULLUMBIMBY              | NSW   | MBBY | 283300S | 1533000E |
| MUNDARING WEIR           | WA    | MWR  | 315715S | 1160930E |
| MUNGALLALA               | QLD   | MAA  | 262700S | 1473300E |
| MUNIGANEEN MT            | QLD   | MUNM | 272430S | 1515230E |
| MURPHY'S CREEK           | QLD   | MHY  | 272745S | 1520315E |

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| MURRAY BRIDGE           | SA    | MBD  | 350900S | 1391833E |
| MURRAY DOWNS            | QLD   | MYW  | 250200S | 1391200E |
| MURRUMBATEMAN           | NSW   | MMM  | 345820S | 1490130E |
| MURRURUNDI              | NSW   | MUI  | 314600S | 1505000E |
| MURWILLUMBAH            | NSW   | MUR  | 281930S | 1532350E |
| MUTARNEE                | QLD   | MUEE | 185700S | 1461800E |
| MYRTLE                  | QLD   | MRTL | 194200S | 1463200E |
| NAMBOUR                 | QLD   | NMB  | 263740S | 1525730E |
| NAMBUCCA HEADS          | NSW   | NHS  | 303840S | 1530030E |
| NARA INLET              | QLD   | NAA  | 200900S | 1485400E |
| NAROOMA                 | NSW   | NAMA | 361200S | 1500800E |
| NARRE WARREN            | VIC   | NRW  | 380100S | 1451800E |
| NARROOGAL               | QLD   | NOOG | 101500S | 1423000E |
| NECKARBOO               | NSW   | NKBO | 320400S | 1443700E |
| NEMINGHA                | NSW   | NEM  | 310730S | 1505930E |
| NEPEAN BRIDGE           | NSW   | NPBR | 334551S | 1503933E |
| NERANG                  | QLD   | NEN  | 275915S | 1532015E |
| NGULUPI                 | QLD   | NGI  | 101436S | 1422439E |
| NIMBIN TV TOWERS        | NSW   | NTT  | 283230S | 1531730E |
| NIMROD PASSAGE          | QLD   | NIM  | 120600S | 1434700E |
| NINDIGULLY              | QLD   | NDI  | 282100S | 1484900E |
| NOARLUNGA               | SA    | NARL | 350830S | 1382920E |
| NOBBYS HEAD             | NSW   | NBB  | 325454S | 1514724E |
| NODDY REEF              | QLD   | NDY  | 134400S | 1434500E |
| NOME                    | QLD   | NOME | 192236S | 1465512E |
| NOONDOO                 | QLD   | NNDO | 283700S | 1482600E |
| NOOSA HEADS             | QLD   | NOSA | 262230S | 1530700E |
| NORTH EAST QUARRY       | VIC   | NEQ  | 375630S | 1443500E |
| NORTH HEAD              | NSW   | NOHD | 334918S | 1511730E |
| NORTH LAKE              | WA    | NORT | 320436S | 1154925E |
| NORTH STAR              | NSW   | NSTA | 285500S | 1502500E |
| NORTHERN TIP BERSERKERS | QLD   | NBRR | 231643S | 1503518E |
| NORWIN                  | QLD   | NRWN | 273330S | 1512245E |
| NUDGEE TIP              | QLD   | NUDG | 272130S | 1530530E |
| NUNAMARA                | TAS   | NUA  | 412330S | 1471800E |
| NUNDLE                  | NSW   | NUN  | 312800S | 1510730E |
| NURIOOTPA               | SA    | NUPA | 342900S | 1390000E |
| NYCHUM                  | QLD   | NCHU | 165036S | 1442742E |
| OAKFORD                 | WA    | OAKF | 321212S | 1155530E |
| OATLANDS                | TAS   | OAT  | 421800S | 1472200E |
| OBSERVATION CITY        | WA    | OBC  | 315340S | 1154518E |
| OBSERVATORY HILL        | SA    | OBSh | 285800S | 1320000E |
| OLD BOMBANDY            | QLD   | OBY  | 222600S | 1483800E |
| OLD CORK                | QLD   | OLCO | 225600S | 1415200E |
| ORAN PARK               | NSW   | ONPK | 340030S | 1504431E |
| ORCHARD ROCKS           | QLD   | ORKS | 190636S | 1465254E |
| ORFORD NESS             | QLD   | ORF  | 111800S | 1424900E |
| OUTER HARBOR            | SA    | OHb  | 344630S | 1382900E |
| OVERLANDER              | WA    | OVL  | 262400S | 1142800E |
| OWEN                    | SA    | OEN  | 341612S | 1383230E |
| OWEN SPRINGS            | NT    | OWS  | 235230S | 1332820E |
| OXENFORD                | QLD   | OFD  | 275300S | 1531900E |
| PALM COVE               | QLD   | PCVE | 164500S | 1454000E |
| PALM FARM               | QLD   | PFRM | 170236S | 1454542E |
| PALM MEADOWS            | QLD   | PLW  | 280200S | 1522430E |
| PALUMA DAM              | QLD   | PLU  | 185720S | 1460840E |
| PARADISE GARDENS        | QLD   | SFG  | 280105S | 1532230E |
| PARK RIDGE WATER TOWER  | QLD   | PKR  | 274216S | 1530220E |

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| PARKHURST                   | QLD   | PRKH | 231815S | 1503050E |
| PARRAMATTA                  | NSW   | PRT  | 334900S | 1510018E |
| PATONGA                     | NSW   | PAA  | 333306S | 1511545E |
| PEACOCK                     | QLD   | PECO | 184100S | 1455900E |
| PEAK DOWNS MINE             | QLD   | PDNE | 221500S | 1481100E |
| PEARSON ISLES               | SA    | PEAR | 335700S | 1341600E |
| PELICAN CREEK               | QLD   | PCCK | 251400S | 1505400E |
| PENNANT HILLS STROBE        | NSW   | PENH | 334424S | 1510412E |
| PENRITH                     | NSW   | PENT | 334530S | 1504200E |
| PERCIVAL LAKES              | WA    | PVS  | 213448S | 1240936E |
| PEREGIAN                    | QLD   | PEG  | 263100S | 1530600E |
| PERSEVERENCE CREEK DAM      | QLD   | PCKD | 271820S | 1520715E |
| PERTH CITY                  | WA    | PCTY | 315716S | 1155125E |
| PETRIE                      | QLD   | PTI  | 271600S | 1525830E |
| PICKERING BROOK GOLF COURSE | WA    | PIB  | 320215S | 1160642E |
| PICKET HILL                 | NSW   | PIL  | 303415S | 1525900E |
| PICNIC BAY                  | QLD   | PCA  | 191100S | 1465100E |
| PICNIC PT                   | NSW   | PNP  | 335848S | 1510006E |
| PICTON                      | NSW   | PIC  | 341030S | 1503700E |
| PIGGERY                     | NSW   | PIG  | 360045S | 1464730E |
| PINE PT                     | SA    | PIPT | 343400S | 1375300E |
| PINGARING                   | WA    | PING | 324530S | 1183730E |
| PIRATE POINT                | QLD   | PII  | 233030S | 1503830E |
| PITTSWORTH                  | QLD   | PWH  | 274315S | 1513800E |
| POINT ORMOND                | VIC   | PTOM | 375300S | 1445900E |
| POINT STEPHENS LIGHTHOUSE   | NSW   | PSS  | 324445S | 1521230E |
| PORPOISE PT                 | QLD   | PRP  | 275611S | 1532531E |
| PORT ADELAIDE               | SA    | PAL  | 345100S | 1383000E |
| PORT ALMA                   | QLD   | PMA  | 233500S | 1505130E |
| PORT CAMPBELL               | VIC   | POMP | 383712S | 1425942E |
| PORT DAVEY                  | TAS   | PDV  | 432000S | 1455300E |
| PORT DOUGLAS                | QLD   | PTD  | 162900S | 1452750E |
| PORT JULIA                  | SA    | PJUL | 344000S | 1375240E |
| PORT MUSGRAVE               | QLD   | PMG  | 120000S | 1415600E |
| PORT NEILL                  | SA    | PNE  | 340700S | 1362100E |
| PORT NOARLUNGA              | SA    | PNL  | 350900S | 1382800E |
| PORT PHILLIP HEADS          | VIC   | PIPS | 381736S | 1443800E |
| PORT VINCENT                | SA    | PVCT | 344654S | 1375139E |
| POWERHOUSE                  | WA    | POWR | 320543S | 1154524E |
| POWERLINE CROSSING          | VIC   | PWLC | 373645S | 1444640E |
| PRESCOTT LAKES              | WA    | PRES | 204500S | 1251000E |
| PRIMROSE SANDS              | TAS   | PRS  | 425300S | 1474000E |
| PRINCESS CHARLOTTE BAY      | QLD   | PCB  | 142000S | 1440700E |
| PROSPECT RESV               | NSW   | PSP  | 334900S | 1505500E |
| PROSSERS SUGARLOAF          | TAS   | PSF  | 424030S | 1474930E |
| PROSTON                     | QLD   | PSTO | 261000S | 1513600E |
| PT DANGER                   | NSW   | DNGR | 280954S | 1533306E |
| PT FAWCETT                  | NT    | FAW  | 114800S | 1300100E |
| PUMPHREY'S BRIDGE           | WA    | PMPH | 324000S | 1165400E |
| PURLINGBROOKE FALLS         | QLD   | PBF  | 281000S | 1531600E |
| PURRAWUNDA                  | QLD   | PWDA | 273220S | 1513730E |
| PUTTY                       | NSW   | PUTY | 325800S | 1504500E |
| PYALONG                     | VIC   | PYA  | 370700S | 1445118E |
| PYKES CREEK RESV            | VIC   | PYK  | 373600S | 1441740E |
| QUAIL ISLAND                | QLD   | QAI  | 220800S | 1500000E |
| QUEANBEYAN                  | NSW   | QBN  | 352133S | 1491433E |
| QUEBEC ONE                  | QLD   | Q1   | 280024S | 1532549E |
| QUEENSLAND SAC              | QLD   | QSAC | 273330S | 1530346E |

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| QUINALOW                | QLD   | QLW   | 270620S | 1513715E |
| QUIRINDI                | NSW   | QNDI  | 312926S | 1503050E |
| RABBIT ISLAND           | QLD   | RIL   | 205000S | 1485400E |
| RABY BAY                | QLD   | RBV   | 273100S | 1531630E |
| RADAR SITE              | QLD   | RDRS  | 191200S | 1464600E |
| RADIO TELESCOPE         | TAS   | RADT  | 424900S | 1472700E |
| RAINE ISLAND            | QLD   | RAIS  | 113600S | 1440200E |
| RANNES                  | QLD   | RNN   | 240600S | 1500700E |
| RAPID BAY               | SA    | RAPD  | 353118S | 1381100E |
| RATHDOWNEY              | QLD   | RTY   | 281300S | 1525200E |
| RATTLESNAKE ISLAND      | QLD   | RKI   | 190200S | 1463640E |
| RED CLIFFS              | VIC   | RCS   | 341800S | 1421300E |
| RED HILL                | QLD   | RDHI  | 213800S | 1480300E |
| RED ROCK                | NSW   | RER   | 295910S | 1531330E |
| REDCLIFFE BRIDGE        | WA    | REDC  | 315548S | 1155618E |
| REDCLIFFE VALE HS       | QLD   | RDV   | 210700S | 1480700E |
| REDFERN RAILWAY STATION | NSW   | REDF  | 335331S | 1511155E |
| REDLAND BAY             | QLD   | REDB  | 273600S | 1531800E |
| REDLYNCH                | QLD   | REDL  | 165300S | 1454200E |
| RENNER SPRINGS          | NT    | RENRR | 181900S | 1334800E |
| RESEARCH CENTRE         | NT    | RESC  | 144651S | 1315611E |
| RICHMOND                | TAS   | RCH   | 424400S | 1472600E |
| RING TANK               | QLD   | RIT   | 264500S | 1530530E |
| RIVER MOUTH             | SA    | RMH   | 343500S | 1382130E |
| RIVERINA CAMPUS         | NSW   | RIV   | 350320S | 1472045E |
| RIVERTON                | SA    | RVTN  | 340954S | 1384448E |
| ROBINA TOWN CENTRE      | QLD   | ROTC  | 280438S | 1532307E |
| ROCKBANK                | VIC   | ROK   | 374340S | 1443912E |
| ROCKINGHAM              | WA    | ROHM  | 321731S | 1154429E |
| ROLEYSTONE              | WA    | RLY   | 320700S | 1160430E |
| ROLLINGSTONE            | QLD   | RGS   | 190250S | 1462315E |
| ROOKWOOD CEMETERY       | NSW   | RKWC  | 335230S | 1510318E |
| ROSEHILL RACECOURSE     | NSW   | RSH   | 334930S | 1510130E |
| ROSEVILLE BRIDGE        | NSW   | RVB   | 334600S | 1511200E |
| ROSEWOOD                | QLD   | RSWD  | 273810S | 1523535E |
| ROSEWOOD ISLAND         | QLD   | RSEW  | 222400S | 1494400E |
| ROSS RIVER DAM          | QLD   | RRDM  | 192440S | 1464400E |
| ROSSLYNNE RESV          | VIC   | RLR   | 372810S | 1443350E |
| ROUND MT                | QLD   | RMT   | 192740S | 1464140E |
| RUSH CUTTERS BAY        | NSW   | RCB   | 335225S | 1511356E |
| RUSSELL                 | WA    | RUSS  | 321111S | 1160032E |
| RUSSELL ISLAND          | QLD   | RUIS  | 274000S | 1532300E |
| RYDE BRIDGE             | NSW   | RYB   | 334930S | 1510530E |
| SADDLE MT               | QLD   | SADD  | 164912S | 1453900E |
| SAMSONVALE              | QLD   | SSV   | 271640S | 1525115E |
| SANCTUARY COVE          | QLD   | SAU   | 275130S | 1532230E |
| SANDALWOOD              | SA    | SALW  | 345700S | 1400800E |
| SANDERSTON              | SA    | SSTO  | 344436S | 1391506E |
| SANDGATE PIER           | QLD   | SAND  | 271942S | 1530516E |
| SANDY PT                | VIC   | SDP   | 382500S | 1451400E |
| SANTA TERESA            | NT    | STT   | 240800S | 1342222E |
| SARAJI                  | QLD   | SJI   | 222600S | 1481700E |
| SARINA                  | QLD   | SRIN  | 212530S | 1491300E |
| SAVAGE RIVER            | TAS   | SVR   | 413500S | 1450800E |
| SAWTELL                 | NSW   | SWTE  | 302200S | 1530600E |
| SAWYERS VALLEY          | WA    | SWY   | 315415S | 1161215E |
| SCOTT CREEK             | NT    | STC   | 145000S | 1315000E |
| SCOTSDALE               | TAS   | STTE  | 411000S | 1473100E |

| WAYPOINT                | STATE | CODE | LAT     | LONG     |
|-------------------------|-------|------|---------|----------|
| SEA CLIFF BRIDGE        | NSW   | SECF | 341510S | 1505831E |
| SECOND VALLEY           | SA    | SVAL | 353100S | 1381300E |
| SELICKS BEACH           | SA    | SLB  | 352030S | 1382700E |
| SHAUNA DOWNS            | QLD   | SDS  | 243700S | 1495500E |
| SHAW CREEK              | NT    | SHCR | 251300S | 1294347E |
| SHAW ISLAND             | QLD   | SHI  | 203048S | 1490512E |
| SHELBURNE BAY           | QLD   | SHL  | 115300S | 1430100E |
| SHELLEY BRIDGE          | WA    | SEL  | 320130S | 1155400E |
| SHOAL                   | VIC   | SHOL | 380400S | 1450200E |
| SIMPSONS GAP            | NT    | SSG  | 234045S | 1334300E |
| SKIPTON                 | VIC   | SKP  | 374100S | 1432200E |
| SLADE POINT             | QLD   | SLPT | 210354S | 1491330E |
| SLOPING HUMMOCK         | QLD   | SGK  | 245100S | 1522600E |
| SLOPING ISLAND          | TAS   | SLP  | 425652S | 1473855E |
| SMITHFIELD              | QLD   | SMIF | 165000S | 1454100E |
| SNOWY INTERSECTION      | NSW   | SYI  | 351100S | 1475206E |
| SOFALA                  | NSW   | SOFA | 330100S | 1494100E |
| SOLDIERS POINT          | NSW   | SRP  | 324200S | 1520345E |
| SOMERSET DAM            | QLD   | SMD  | 270715S | 1523300E |
| SOMERTON                | NSW   | SMN  | 305630S | 1503812E |
| SORELL                  | TAS   | SORL | 424700S | 1473500E |
| SOUTH EAST CAPE         | TAS   | SEC  | 433900S | 1464900E |
| SOUTH MISSION BEACH     | QLD   | SMIB | 175654S | 1460530E |
| SOUTH PARA RESERVOIR    | SA    | SPR  | 344100S | 1385200E |
| SOUTH PINNACLE          | QLD   | SPN  | 192430S | 1463800E |
| SOUTHEDGE               | QLD   | SDG  | 164900S | 1451300E |
| SOUTHERN TIP BERSERKERS | QLD   | SBRR | 232400S | 1503730E |
| SOUTHPORT               | QLD   | SPT  | 275500S | 1532220E |
| SOUTHPORT ROAD          | NT    | STR  | 123900S | 1304630E |
| SPIT BRIDGE             | NSW   | SPIT | 334810S | 1511446E |
| SPLIT ROCK RESV         | NSW   | SRR  | 303430S | 1504200E |
| SPLIT SOLITARY ISLAND   | NSW   | SOI  | 301430S | 1531045E |
| SPRING MOUNTAIN         | QLD   | SPMT | 274247S | 1525308E |
| SPRINGBROOK             | QLD   | SBK  | 281355S | 1531640E |
| ST GEORGES MINE         | QLD   | SGM  | 163000S | 1442400E |
| ST HELENA ISLAND        | QLD   | SHIS | 272242S | 1531400E |
| ST IVES SHOWGROUND      | NSW   | SIS  | 334218S | 1511100E |
| ST KILDA                | SA    | SKI  | 344430S | 1383150E |
| STANSBURY               | SA    | SRY  | 345440S | 1374720E |
| STANWELL PARK           | NSW   | SLL  | 341342S | 1505920E |
| STANWELL POWER STN      | QLD   | SPS  | 233000S | 1502000E |
| STATION PIER            | VIC   | SNP  | 375055S | 1445550E |
| STEPHENSONS PEAK        | NT    | STPK | 253000S | 1301100E |
| STONE CREEK             | QLD   | SCRK | 165242S | 1453918E |
| STORY BRIDGE            | QLD   | SBD  | 272755S | 1530215E |
| STOTTS ISLAND           | NSW   | STOT | 281609S | 1533003E |
| STRATHALBYN             | SA    | SYN  | 351530S | 1385340E |
| STRATHFINELLA           | QLD   | SFE  | 232100S | 1433300E |
| STRATHGORDON            | TAS   | STRA | 424600S | 1460212E |
| STRELLEY HS             | WA    | SLY  | 202630S | 1185900E |
| STROUD ROAD             | NSW   | SRO  | 322048S | 1515506E |
| STUART                  | QLD   | SUA  | 192100S | 1465000E |
| STUMERS CREEK           | QLD   | STUM | 263110S | 1530508E |
| STURT INTERSECTION      | NSW   | SUI  | 351312S | 1474736E |
| SUBSTATION              | SA    | SUB  | 344412S | 1384247E |
| SUGAR TERMINAL          | QLD   | SUTR | 165630S | 1454600E |
| SUGARLOAF MT            | NSW   | SLMT | 312600S | 1505230E |
| SUGARLOAF PT            | NSW   | SUG  | 322640S | 1523225E |

| WAYPOINT                     | STATE | CODE | LAT     | LONG     |
|------------------------------|-------|------|---------|----------|
| SUGARLOAF RESERVOIR          | VIC   | SGSV | 374030S | 1451800E |
| SUGARWORLD                   | QLD   | SWLD | 170100S | 1454354E |
| SUN ZINC REFINERY            | QLD   | SUNZ | 192000S | 1465312E |
| SUNBURY                      | VIC   | SBU  | 373500S | 1444330E |
| SUNBURY WATER TANK           | VIC   | SWT  | 373252S | 1444129E |
| SURBITON                     | QLD   | SBIT | 230900S | 1463700E |
| SURFER'S PARADISE            | QLD   | SUPA | 280000S | 1532600E |
| SUTHERLAND                   | NSW   | SUD  | 340218S | 1510320E |
| SUTHERLANDS                  | SA    | SHER | 340900S | 1391400E |
| SUTTON ROAD OVERPASS         | NSW   | SUE  | 351100S | 1491530E |
| SUTTONS BEACH                | QLD   | SBCH | 271405S | 1530655E |
| SYDNEY CBD                   | NSW   | SCTY | 335200S | 1511200E |
| SYDNEY CRICKET GROUND        | NSW   | SCG  | 335330S | 1511324E |
| SYDNEY HEADS                 | NSW   | SYHD | 335000S | 1511730E |
| SYMMONS PLAINS               | TAS   | SYP  | 413915S | 1471500E |
| TABULAM                      | NSW   | TBL  | 285312S | 1523407E |
| TALC HEAD                    | NT    | TCH  | 122845S | 1304600E |
| TALLANGATTA                  | VIC   | TLAG | 361300S | 1471030E |
| TALLANGATTA CAUSEWAY         | VIC   | TLY  | 361250S | 1471445E |
| TALLARINGA WELL              | SA    | TRWL | 290200S | 1331700E |
| TALLAROOK                    | VIC   | TLK  | 370600S | 1450600E |
| TAMAR ISLAND                 | TAS   | TID  | 412300S | 1470500E |
| TANGORIN                     | QLD   | TGN  | 214400S | 1441200E |
| TANUNDA                      | SA    | TUND | 343200S | 1385800E |
| TARAGO                       | NSW   | TAGO | 350411S | 1493917E |
| TARCOWIE                     | SA    | TOWI | 325700S | 1383100E |
| TARCUTTA                     | NSW   | TRT  | 351648S | 1474420E |
| TARGA GAP                    | TAS   | TAP  | 411841S | 1472204E |
| TARGET                       | QLD   | TAR  | 273650S | 1530738E |
| TARLEE                       | SA    | TLEE | 341630S | 1384606E |
| TASMAN BRIDGE                | TAS   | TAS  | 425200S | 1472100E |
| TELEGRAPH OFFICE             | QLD   | CKO  | 191400S | 1452900E |
| TEMPLE BAY                   | QLD   | TPL  | 121600S | 1430900E |
| TERRANORA LAKES COUNTRY CLUB | QLD   | TLC  | 281254S | 1532825E |
| TEWANTIN                     | QLD   | TWT  | 262400S | 1530200E |
| THARWA                       | ACT   | THAW | 353030S | 1490400E |
| THE CORNER                   | QLD   | TCNR | 191930S | 1464342E |
| THE GUMS                     | SA    | THUM | 335000S | 1392000E |
| THE GUMS HS                  | SA    | TGU  | 335100S | 1392100E |
| THE LAKES MINE               | WA    | TLMI | 315154S | 1162130E |
| THE OAKS                     | NSW   | THK  | 340440S | 1503440E |
| THE PINES                    | QLD   | PIN  | 280830S | 1532800E |
| THE ROCK                     | NSW   | RCK  | 351630S | 1470415E |
| THE STAMFORD (HOTEL)         | NSW   | APST | 335552S | 1511108E |
| THE WHARF                    | VIC   | WHF  | 380600S | 1443200E |
| THEEBINE                     | QLD   | THB  | 255700S | 1523300E |
| THOMPSON 1                   | QLD   | THSM | 170044S | 1454506E |
| THOMSONS LAKE                | WA    | TOML | 320906S | 1155006E |
| THORNTON                     | QLD   | TORN | 274900S | 1522300E |
| THORNTON GAP                 | QLD   | TNP  | 192130S | 1462742E |
| TIMBERTOP                    | QLD   | TBRT | 165730S | 1454820E |
| TINGALPA RESERVOIR           | QLD   | TING | 273225S | 1531001E |
| TOM PRICE                    | WA    | TMPT | 224142S | 1174730E |
| TOOBORAC                     | VIC   | TOO  | 370300S | 1444800E |
| TOOLLEEN                     | VIC   | TLN  | 364300S | 1444100E |
| TOOMULLA                     | QLD   | TOOU | 190500S | 1462800E |
| TOORONGA                     | VIC   | TOGA | 375051S | 1450250E |
| TOWRANA HS                   | WA    | TOWA | 252600S | 1151400E |



| WAYPOINT                         | STATE | CODE | LAT     | LONG     |
|----------------------------------|-------|------|---------|----------|
| TREVALLYN DAM                    | TAS   | TVM  | 412715S | 1470515E |
| TRINITY BEACH                    | QLD   | TRIN | 164700S | 1454200E |
| TRURO                            | SA    | TRUO | 342442S | 1390712E |
| TUCKER                           | QLD   | TKER | 242900S | 1491200E |
| TUCKERS KNOB                     | NSW   | TUK  | 302036S | 1525850E |
| TUGGERANONG TOWN CENTRE          | ACT   | TGC  | 352500S | 1490400E |
| TUMBULGUM                        | NSW   | TUMB | 281642S | 1532800E |
| TURTLE PT                        | NT    | TTLE | 145100S | 1291500E |
| TWO RN                           | NSW   | TWRN | 335632S | 1505308E |
| TWO ROCKS                        | WA    | TOS  | 312930S | 1153500E |
| UKEREBAGH ISLAND                 | NSW   | UKER | 281050S | 1533246E |
| ULLADULLA                        | NSW   | UDA  | 352100S | 1502900E |
| UNDEMOW WATERHOLE                | NT    | UNDW | 173500S | 1351500E |
| UNI OF QLD ST LUCIA              | QLD   | UQLD | 272951S | 1530048E |
| UPPER SWAN                       | WA    | USW  | 314618S | 1160100E |
| URANGAN                          | QLD   | URAN | 251700S | 1525400E |
| URANQUINTY                       | NSW   | URA  | 351130S | 1471445E |
| URRBRAE AGRICULTURAL HIGH SCHOOL | SA    | URC  | 345800S | 1383730E |
| URUNGA                           | NSW   | URU  | 302930S | 1530100E |
| VEHICLE TESTING GROUND           | VIC   | VTG  | 375300S | 1442500E |
| VELODROME                        | SA    | VELO | 345034S | 1383640E |
| VICTORIA PARK                    | SA    | VICP | 345600S | 1383715E |
| VOKES HILL                       | SA    | VOKH | 282900S | 1303500E |
| VPH                              | WA    | VPH  | 315642S | 1155733E |
| WAIGEN LAKES                     | WA    | WGL  | 273700S | 1284700E |
| WAITE CAMPUS                     | SA    | WTC  | 345812S | 1383808E |
| WALKERSTON                       | QLD   | WKT  | 210945S | 1490350E |
| WALLABADAH                       | NSW   | WBH  | 313218S | 1504930E |
| WALLAN                           | VIC   | WAN  | 372430S | 1445836E |
| WALLANGARRA                      | NSW   | WGR  | 285500S | 1515600E |
| WALLAROO                         | SA    | WRO  | 335600S | 1373800E |
| WALLUMBILLA                      | QLD   | WMB  | 263500S | 1491100E |
| WALPOLE                          | WA    | WPE  | 345900S | 1164400E |
| WALTER TAYLOR BRIDGE             | QLD   | WTBG | 273020S | 1525826E |
| WANDANDIAN                       | NSW   | WDN  | 350500S | 1503100E |
| WANDERING                        | WA    | WAND | 324030S | 1164000E |
| WANGETTI                         | QLD   | WAT  | 163954S | 1453400E |
| WANTABADGERY                     | NSW   | WAG  | 350330S | 1474320E |
| WAROONA                          | WA    | WRNA | 325030S | 1155500E |
| WARRAGAMBA DAM                   | NSW   | WAD  | 335306S | 1503530E |
| WARRAL SILO                      | NSW   | WASL | 310900S | 1505130E |
| WARRANTDYTE                      | VIC   | WRD  | 374500S | 1451230E |
| WARREN RESERVOIR                 | SA    | WRR  | 344230S | 1385600E |
| WARWICK FARM                     | NSW   | WFM  | 335440S | 1505645E |
| WATERFALL                        | NSW   | WFL  | 340810S | 1505930E |
| WAYSIDE                          | NT    | WAYS | 153432S | 1310225E |
| WEALWANDANGIE                    | QLD   | WWN  | 242500S | 1480300E |
| WELLCAMP DOWNS                   | QLD   | WCP  | 273300S | 1515100E |
| WELLINGTON PT                    | QLD   | WELL | 272808S | 1531431E |
| WELLSHOT                         | QLD   | WLS  | 235400S | 1442600E |
| WELSHPOOL                        | VIC   | WELS | 383954S | 1462618E |
| WERRIBEE RACECOURSE              | VIC   | WBER | 375400S | 1443830E |
| WERRIBEE SOUTH                   | VIC   | WBES | 375836S | 1444118E |
| WERRIS CREEK                     | NSW   | WEK  | 312127S | 1503900E |
| WEST ARM                         | NT    | WSM  | 123300S | 1304720E |
| WEST BASS                        | VIC   | WEBS | 393000S | 1410000E |
| WEST GAP                         | TAS   | WTG  | 412040S | 1464630E |
| WEST LAGOON                      | TAS   | WSN  | 413610S | 1470140E |

| WAYPOINT              | STATE | CODE | LAT     | LONG     |
|-----------------------|-------|------|---------|----------|
| WEST PT               | QLD   | WEP  | 190740S | 1464640E |
| WESTERN FREEWAY       | QLD   | WNFE | 273430S | 1525642E |
| WESTGATE BRIDGE       | VIC   | WES  | 374947S | 1445347E |
| WESTMAR               | QLD   | WMR  | 275500S | 1494300E |
| WESTMEAD              | NSW   | WST  | 334812S | 1505912E |
| WETHERBY              | QLD   | WTB  | 213000S | 1425000E |
| WHIM CREEK            | WA    | WHM  | 205000S | 1175000E |
| WHITE ROCK            | QLD   | WTRK | 184619S | 1464306E |
| WHITEWOOD             | QLD   | WHW  | 212900S | 1433600E |
| WHITTLESEA            | VIC   | WTS  | 373100S | 1450700E |
| WICKHAM PT            | NT    | WIKP | 123016S | 1305139E |
| WILD HORSE PLAINS     | SA    | WHPL | 342136S | 1381718E |
| WILLEROO              | NT    | WILE | 151701S | 1313356E |
| WILLIAMSTOWN          | VIC   | WMS  | 375210S | 1445440E |
| WILLIE CREEK          | WA    | WICK | 174500S | 1221230E |
| WIMMERA               | NSW   | WIE  | 310930S | 1504900E |
| WIRRADGURIE           | NSW   | WDU  | 315400S | 1520400E |
| WISEMANS FERRY        | NSW   | WSFR | 332248S | 1505916E |
| WITHNELL BAY          | WA    | WTHB | 203448S | 1164712E |
| WIVENHOE DAM WALL     | QLD   | WHDW | 272340S | 1523630E |
| WOODBROOK             | WA    | WBK  | 205440S | 1170700E |
| WOODGATE              | QLD   | WOT  | 250700S | 1523400E |
| WOODLANDS GOLF COURSE | VIC   | WOOS | 375948S | 1450600E |
| WOODMAN PT            | WA    | WMP  | 320830S | 1154400E |
| WOODY PT              | QLD   | WYPT | 271553S | 1530611E |
| WOOLGOOLGA            | NSW   | WGG  | 300645S | 1531200E |
| WOOLLAMIA             | NSW   | WOI  | 350111S | 1503937E |
| WOOMANOOKA            | QLD   | WNK  | 134400S | 1413500E |
| WOOMARGAMA            | NSW   | WAM  | 355000S | 1471455E |
| WOORIM                | QLD   | WRM  | 270439S | 1531211E |
| WUNDOWIE              | WA    | WUN  | 314600S | 1162236E |
| WUNGONG RESERVOIR     | WA    | WUNG | 321206S | 1160346E |
| WYMAH FERRY           | NSW   | WMF  | 360230S | 1471545E |
| WYREEMA               | QLD   | WYR  | 273900S | 1515130E |
| YAAMBA                | QLD   | YMA  | 230800S | 1502200E |
| YABULU                | QLD   | YBU  | 191250S | 1463550E |
| YACKANDANDAH          | VIC   | YKH  | 361842S | 1465030E |
| YALBOROO              | QLD   | ALBO | 205000S | 1483900E |
| YAN YEAN RESV         | VIC   | YYN  | 373330S | 1450815E |
| YANDARAN              | QLD   | ANDA | 244300S | 1520700E |
| YANDINA               | QLD   | YNA  | 263350S | 1525720E |
| YANGEBUP LAKE         | WA    | YGB  | 320713S | 1155000E |
| YARINGA YACHT MARINA  | VIC   | YYM  | 381450S | 1451503E |
| YARRABAH              | QLD   | YBH  | 165500S | 1455300E |
| YASS TOWNSHIP         | NSW   | ASST | 345100S | 1485500E |
| YORK TOWNSHIP         | WA    | ORKT | 315300S | 1164600E |
| YORKEYS KNOB          | QLD   | YKS  | 164835S | 1454330E |
| YORNANING TOWNSHIP    | WA    | ORNN | 324400S | 1171000E |
| YULABILLA             | QLD   | ULAB | 270400S | 1494200E |
| YURARABA              | QLD   | URAR | 282000S | 1512400E |
| ZUIZIN ISLAND         | QLD   | ZIN  | 100600S | 1432000E |

**VFR WAYPOINTS - DECODED**

| <b>CODE</b> | <b>WAYPOINT</b>                     | <b>STATE</b> | <b>CODE</b> | <b>WAYPOINT</b>                  | <b>STATE</b> |
|-------------|-------------------------------------|--------------|-------------|----------------------------------|--------------|
| ABKL        | ABM KILTO                           | WA           | BDTN        | BIDDESTON                        | QLD          |
| ACE         | ACADEMY                             | VIC          | BDWD        | BIRDWOOD                         | SA           |
| ACLD        | ACLAND                              | QLD          | BEE         | BERILEE                          | NSW          |
| ACTY        | ADELAIDE CBD                        | SA           | BEN         | BUNGENDORE                       | NSW          |
| ADB         | ADELAIDE RIVER BRIDGE               | NT           | BENT        | BEECHMONT                        | QLD          |
| ADI         | ADMIRALTY ISLAND                    | QLD          | BENV        | BEN NEVIS                        | TAS          |
| ADRM        | ADELAIDE RIVER MOUTH                | NT           | BESI        | BESSIE POINT                     | QLD          |
| ADWD        | ADVENTURE WORLD                     | WA           | BGN         | BOGANTUNGAN                      | QLD          |
| AEN         | ARDENT                              | QLD          | BHCP        | BARN HILL CARAVAN PARK           | WA           |
| AKMW        | ALKIMOS WATER                       | WA           | BIBA        | BINGIL BAY                       | QLD          |
| ALBA        | ALOOMBA                             | QLD          | BIDG        | BIDGEE 1                         | ACT          |
| ALBO        | YALBOROO                            | QLD          | BIV         | BECTIVE HS                       | NSW          |
| ALEC        | AUSTRALIAN LIVESTOCK<br>EQUINE CENT | NSW          | BJK         | BURRINJUCK                       | NSW          |
| ALOA        | ALTONA                              | VIC          | BKD         | BUCKLAND                         | TAS          |
| ALON        | ALAWOONA                            | SA           | BKIS        | BLACKSMITH ISLAND                | QLD          |
| ALTS        | ALTONA SOUTH                        | VIC          | BKM         | BLACK MT                         | ACT          |
| ANA         | ANNA BAY                            | NSW          | BKRL        | BAKER LAKE                       | WA           |
| ANDA        | YANDARAN                            | QLD          | BLGH        | BURLEIGH HEADS                   | QLD          |
| ANG         | ANGLESEA                            | VIC          | BLHS        | BALD HILLS MAST                  | QLD          |
| ANI         | ACHERON ISLAND                      | QLD          | BLIC        | BLI BLI CASTLE                   | QLD          |
| ANP         | ANTILL PLAINS                       | QLD          | BLIG        | BELLINGEN                        | NSW          |
| ANPL        | ANNA PLAINS                         | WA           | BLR         | BELLBROOK                        | NSW          |
| AOG         | ADELONG                             | NSW          | BLTB        | BOLTE BRIDGE                     | VIC          |
| APL         | ALBERT PARK LAKE                    | VIC          | BMK         | BURRUMBUTTOCK                    | NSW          |
| APM         | ANM PAPER MILL                      | NSW          | BMP         | BACCHUS MARSH TOWNSHIP           | VIC          |
| APPN        | APPIN                               | NSW          | BNCG        | BRISBANE CRICKET GROUND          | QLD          |
| APST        | THE STAMFORD (HOTEL)                | NSW          | BND         | BENDEMEER                        | NSW          |
| ARCD        | ARCADIA HS                          | QLD          | BNE         | BATMAN BRIDGE                    | TAS          |
| ASST        | YASS TOWNSHIP                       | NSW          | BNG         | BONEGILLA                        | VIC          |
| ASU         | ARUNDEL SUBSTATION                  | NSW          | BOA         | BALMORAL                         | VIC          |
| ATG         | ATTUNGA                             | NSW          | BOAR        | BORUMBA RESV                     | QLD          |
| ATN         | ATHERTON                            | QLD          | BOAT        | BOATYARD                         | WA           |
| ATV         | ATV10                               | VIC          | BODD        | BODDINGTON                       | WA           |
| AVCA        | AVOCA                               | TAS          | BONG        | BONGAREE                         | QLD          |
| AWP         | ARROWSMITH PT                       | NT           | BOON        | BOONDALL ENTERTAINMENT<br>CENTRE | QLD          |
| BADA        | BABINDA                             | QLD          | BOV         | BOWRAVILLE                       | NSW          |
| BAK         | MOUNT BARKER                        | SA           | BOW         | BOWNA                            | NSW          |
| BANG        | BANGALOW                            | NSW          | BOWB        | BOWEN BRIDGE                     | TAS          |
| BARB        | BARBAGALLO RACEWAY                  | WA           | BOWN        | BOWEN                            | QLD          |
| BATB        | BATEMANS BAY                        | NSW          | BPI         | BRAMPTON ISLAND                  | QLD          |
| BAW         | BAYWEST                             | VIC          | BPK         | BUCKLAND PARK WEATHER<br>RADAR   | SA           |
| BAXT        | BRANXTON                            | NSW          | BPN         | BARWON PRISON                    | VIC          |
| BBAY        | BYRON BAY                           | NSW          | BRGE        | BARRON GORGE                     | QLD          |
| BBBG        | BRIEBIE BRIDGE                      | QLD          | BRH         | BRUNSWICK HEADS                  | NSW          |
| BBG         | BROOKLYN BRIDGE                     | NSW          | BRI         | BROUGHTON ISLAND                 | NSW          |
| BBH         | BOTANY BAY HEADS                    | NSW          | BRIN        | BRINSMEAD                        | QLD          |
| BBI         | BRIEBIE ISLAND                      | QLD          | BRNJ        | BARRENJOEY HEAD                  | NSW          |
| BCH         | BEECHWORTH                          | VIC          | BRR         | BARRINGUN                        | NSW          |
| BCM         | BEACHMERE                           | QLD          | BRY         | BRINGELLY                        | NSW          |
| BCT         | BLACK MT                            | QLD          | BSL         | BARNES HILL                      | QLD          |
| BCTY        | BRISBANE CBD                        | QLD          | BSP         | BOND SPRINGS                     | NT           |
| BDF         | BROADFORD                           | VIC          | BTI         | BATHURST ISLAND                  | NT           |
| BDGE        | BIDGEE 2                            | ACT          | BTJ         | BRIGHTON JETTY                   | SA           |
| BDH         | BUNDAGEN HEAD                       | NSW          | BTM         | BOAT HARBOUR                     | TAS          |
| BDT         | BARANDUDA TOWERS                    | VIC          | BTO         | BRIGHTON                         | VIC          |

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|-------------|---------------------------|--------------|-------------|-----------------------|--------------|
| BTON        | BROOKTON                  | WA           | CHN         | CHILTERN              | VIC          |
| BUB         | BURNS BEACH               | WA           | CHOC        | CHOCOLATE FACTORY     | TAS          |
| BUCN        | BUCHANAN HILLS            | NT           | CIB         | CHIPBOARD FACTORY     | NSW          |
| BUCP        | BUCHAN PT                 | QLD          | CIH         | CID HARBOUR           | QLD          |
| BUG         | BUNGIL BRIDGE             | VIC          | CIK         | CARRICK               | TAS          |
| BUGA        | BURRAGA                   | NSW          | CIS         | COOK ISLAND           | NSW          |
| BURR        | BURRA                     | SA           | CJN         | CONARA JUNCTION       | TAS          |
| BUVY        | BOND UNIVERSITY           | QLD          | CKO         | TELEGRAPH OFFICE      | QLD          |
| BVG         | BEVERIDGE                 | VIC          | CKT         | COCKATOO              | VIC          |
| BWL         | BOWRAL                    | NSW          | CLJ         | CASTLE JUNCTION       | TAS          |
| BWMS        | BOWMANS                   | SA           | CLLN        | CAMPBELLTOWN          | TAS          |
| BWV         | BOWENVILLE                | QLD          | CLMN        | COOLAMON              | NSW          |
| BYFD        | BYFORD                    | WA           | CLOY        | CLONEYS CREEK         | QLD          |
| BYN         | BROOKLYN                  | VIC          | CLS         | CLIFTON SPRINGS       | VIC          |
| BYNO        | BYNOE HARBOUR             | NT           | CLVT        | CALVERT               | QLD          |
| BYRK        | BYROCK                    | NSW          | CMB         | CAPE LAMBERT          | WA           |
| BZA         | BREEZA                    | NSW          | CMDR        | COOLMUNDA RESV        | QLD          |
| CABO        | CABOOLTURE                | QLD          | CML         | CRADLE MOUNTAIN LODGE | TAS          |
| CAJE        | CAPE JERVIS               | SA           | CNB         | CANNING BRIDGE        | WA           |
| CAKE        | CAPE KEITH                | NT           | CNT         | CROWS NEST            | QLD          |
| CALN        | CALEN                     | QLD          | CNTH        | CHOPPERS NORTH        | NSW          |
| CALT        | CALTEX REFINERY           | QLD          | COBA        | COBAKI                | NSW          |
| CAMB        | CAMPBELLTOWN UNIVERSITY   | NSW          | CONG        | COMERONG ISLAND       | NSW          |
| CAO         | CEDUNA OBSERVATORY        | SA           | COOL        | COOLUM HI-RISE        | QLD          |
| CAPS        | CAPE BANKS                | NSW          | CORO        | COOROY                | QLD          |
| CAPT        | CAPTAINS FLAT             | NSW          | COSS        | COSSACK               | WA           |
| CARE        | CARDINIA RESV             | VIC          | COTR        | COTTER                | ACT          |
| CARIN       | CARINDALE SHOPPING CENTRE | QLD          | COWI        | COW ISLAND            | QLD          |
| CARR        | CARRUM                    | VIC          | COWR        | COWWARR               | VIC          |
| CAU         | CARAMUT                   | VIC          | CPA         | CAMPANIA              | TAS          |
| CAV         | CANNONVALE                | QLD          | CPH         | CAPE HILLSBOROUGH     | QLD          |
| CBI         | COLBINABBIN               | VIC          | CPHE        | CAPE RICHE            | WA           |
| CBLT        | CABLEWAY TERMINAL         | QLD          | CPL         | COPPERLODE DAM        | QLD          |
| CBRA        | CAMBRAI                   | SA           | CPLD        | CAPE PORTLAND         | TAS          |
| CBRG        | CENTENARY BRIDGE          | QLD          | CPMN        | CAPE MORETON          | QLD          |
| CBV         | CRAIGBOURNE RESV          | TAS          | CPNG        | COPPINS CROSSING      | ACT          |
| CBY         | CANTERBURY RACECOURSE     | NSW          | CPY         | CAPE CONWAY           | QLD          |
| CBYC        | COOBY CREEK RESV          | QLD          | CRAY        | CRAYFISH              | SA           |
| CCL         | CAPE CLEVELAND            | QLD          | CRDZ        | CALOUNDRA DROPZONE    | QLD          |
| CCN         | CULCAIRN                  | NSW          | CREM        | CREMORNE              | TAS          |
| CCP         | CECIL PLAINS              | QLD          | CRPC        | CROPPA CREEK          | NSW          |
| CDM         | CANNING DAM               | WA           | CRPT        | CASTLEREAGH POINT     | QLD          |
| CDNA        | CARDONA                   | QLD          | CSTH        | CHOPPERS SOUTH        | NSW          |
| CEN         | CLEVEDON                  | QLD          | CTE         | COTTESLOE             | WA           |
| CERB        | CERBERUS                  | VIC          | CTT         | CASTLE PT             | NT           |
| CES         | CRESSY                    | TAS          | CUL         | CRONULLA              | NSW          |
| CFI         | CLIFFY ISLAND             | VIC          | CVD         | CLEVELAND             | QLD          |
| CGB         | CRAIGIEBURN OVERPASS      | VIC          | CVR         | CORIN RESV            | ACT          |
| CGD         | CUDGEN HEADLAND           | NSW          | CWK         | CRESWICK              | VIC          |
| CGE         | COLLINGULLIE              | NSW          | CWST        | CHOPPERS WEST         | NSW          |
| CGF         | CAPE GRAFTON              | QLD          | CYB         | CITY BEACH            | WA           |
| CGH         | CLONAGH STN               | QLD          | CYM         | CHAFFEY DAM           | NSW          |
| CGM         | CONDONG MILL              | NSW          | DAG         | DUARINGA              | QLD          |
| CGR         | CAPE GAMBIER              | NT           | DAIN        | DAINTREE              | QLD          |
| CHAP        | CHARLES PT                | NT           | DARL        | DARLIMURA             | VIC          |
| CHAT        | CHATSWOOD CBD             | NSW          | DBO         | DAYBORO               | QLD          |
| CHI         | CHANNEL ISLAND            | NT           | DBPT        | DOUBLE PT             | QLD          |
|             |                           |              | DCIS        | DOUBLE CONE ISLAND    | QLD          |

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|-------------|------------------------|--------------|-------------|-----------------------|--------------|
| DCRK        | DRY CREEK              | SA           | FDP         | FEDERATION PEAK       | TAS          |
| DEL         | DELORAIN               | TAS          | FFLD        | FORRESTFIELD          | WA           |
| DFD         | DAYLESFORD             | VIC          | FGN         | FLEMINGTON            | VIC          |
| DGN         | DUNGOWAN               | NSW          | FHS         | FARRER HIGH SCHOOL    | NSW          |
| DGY         | DE GREY HS             | WA           | FID         | FITZROY ISLAND        | QLD          |
| DHH         | DARLING HARBOUR        | NSW          | FISH        | FISHERMANS ISLAND     | QLD          |
| DIBE        | DICKY BEACH            | QLD          | FIT         | FITNESS CAMP          | NSW          |
| DLMO        | DALMORE DOWNS          | NT           | FLDI        | FIELD ISLAND          | NT           |
| DLP         | DOUBLE ISLAND PT       | QLD          | FMN         | FORMARTIN             | QLD          |
| DLPT        | DOLLS POINT            | NSW          | FNVL        | FERNVALE              | QLD          |
| DLY         | DUNALLEY               | TAS          | FOWB        | FOWLERS BAY           | SA           |
| DMT         | DURI MT                | NSW          | FPK         | FLINDERS PEAK         | QLD          |
| DMW         | DAM WALL               | SA           | FRE         | FREMANTLE             | WA           |
| DND         | DARWIN RIVER DAM       | NT           | FREM        | FREMANTLE GOLF COURSE | WA           |
| DNGR        | PT DANGER              | NSW          | FRLG        | FREELING              | SA           |
| DNP         | DENHAM PASSAGE         | QLD          | FRWV        | FRESHWATER VALLEY     | QLD          |
| DODI        | DODDS ISLAND           | NSW          | FSHR        | FISHERMANS PARADISE   | NSW          |
| DONG        | DURONG                 | QLD          | FWO         | FREEWAY OVERPASS      | VIC          |
| DOOM        | DOOMBEN RACECOURSE     | QLD          | FYN         | FLYNN                 | VIC          |
| DOP         | DONNINGTON AIRPARK     | QLD          | GAE         | GALLILEE              | QLD          |
| DOU         | DOUBLE ISLAND          | QLD          | GBR         | GLENBURN              | VIC          |
| DPW         | DEEP WELL              | NT           | GBRY        | GLEN BRAY             | NSW          |
| DRLD        | DREAMWORLD             | QLD          | GCR         | GLOUCESTER            | NSW          |
| DRM         | DROMANA                | VIC          | GDG         | GUNDAGAI              | NSW          |
| DRN         | DROUIN                 | VIC          | GEK         | GEMBROOK              | VIC          |
| DRO         | DORRIGO                | NSW          | GEP         | GEPPS CROSS           | SA           |
| DRP         | DROUGHTY PT            | TAS          | GGN         | GALLANGOWAN           | QLD          |
| DRY         | DALRYE                 | QLD          | GGO         | GOONOO GOONOO HS      | NSW          |
| DSN         | DONCASTER SHOPPINGTOWN | VIC          | GGV         | GOOGONG RESV          | NSW          |
| DSS         | DEDERANG SUBSTATION    | VIC          | GIM         | GILBERLAND MINE       | QLD          |
| DTON        | DUTTON                 | SA           | GIRU        | GIRU                  | QLD          |
| DUA         | DURI GAP               | NSW          | GLC         | GLENORCHY             | SA           |
| DUB         | DUBLIN                 | SA           | GLEN        | GLENLOCH INTERCHANGE  | NSW          |
| DUWN        | DUNGOWAN DAM           | NSW          | GLGA        | GALGA                 | SA           |
| DVM         | DEVILS MARBLES         | NT           | GMBG        | GOOMBUNGEE            | QLD          |
| DWB         | DERWENT BRIDGE         | TAS          | GMH         |                       | VIC          |
| EAM         | EAST ARM               | NT           | GMN         | GLENMORGAN            | QLD          |
| EAN         | EAGLE HAWK NECK        | TAS          | GNIS        | GREEN ISLAND (CAIRNS) | QLD          |
| EARH        | EARL HILL              | QLD          | GNM         | GREENMOUNT            | QLD          |
| EARV        | EARLVILLE              | QLD          | GNN         | GOONANEMAN            | QLD          |
| EDOR        | ENDEAVOUR REEF         | QLD          | GNR         | GIBSON REEF           | QLD          |
| EDP         | EDDYSTONE PT           | TAS          | GOI         | GOLDSMITH ISLAND      | QLD          |
| EDT         | EDMONTON               | QLD          | GON         | GOODNA                | QLD          |
| EGT         | EAST GRETA             | NSW          | GOV         | GORDONVALE            | QLD          |
| ELDO        | ELDORADO               | VIC          | GOW         | GOWRIE JUNCTION       | QLD          |
| EMD         | EWEN MADDOCK DAM       | QLD          | GOY         | GEROGERY              | NSW          |
| EMI         | EUMUNDI                | QLD          | GRAA        | GRANYA                | VIC          |
| EMY         | EMILY GAP              | NT           | GRB         | GEORGES RIVER BRIDGE  | NSW          |
| EPPG        | EPPING                 | VIC          | GRE         | GLENREAGH             | NSW          |
| ERB         | ELIZABETH RIVER BRIDGE | NT           | GRHL        | GREEN HILLS           | WA           |
| ERSK        | ERSKINEVILLE OVAL      | NSW          | GRK         | GLENROCK HS           | QLD          |
| ETON        | ETON                   | QLD          | GRL         | GREEN ISLAND (MACKAY) | QLD          |
| ETP         | EAST PT                | NT           | GRNH        | GREENHILL             | QLD          |
| ETTA        | ETTAMOGAH PUB          | NSW          | GRRV        | GROSE RIVER           | NSW          |
| EWI         | EWANINGA               | NT           | GST         | GATE SOUTH            | NSW          |
| FAW         | PT FAWCETT             | NT           | GUNG        | GUTHALUNGRA           | QLD          |
| FCP         | FALSE CAPE             | QLD          | GUNN        | GUNNING               | NSW          |
| FDL         | FORRESTDALE LAKE       | WA           | GUP         | GUNN PT               | NT           |

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|------|-------------------------|-------|------|------------------------|-------|
| GVB  | GLADESVILLE BRIDGE      | NSW   | JAC  | JACKO'S JUNCTION       | NT    |
| GVH  | GRAVELLY BEACH          | TAS   | JACW | JACOB'S WELL           | WA    |
| GWB  | GATEWAY BRIDGE          | QLD   | JADL | JARRAHDALÉ             | WA    |
| GWDM | GAWLER DAM              | SA    | JCK  | JAY CREEK              | NT    |
| GWT  | GATE WEST               | NSW   | JDN  | JONDARYAN              | QLD   |
| GWTR | GAOL WATER TOWER        | NT    | JEA  | JEANNIE RIVER          | QLD   |
| HAF  | HAREFIELD               | NSW   | JES  | JESSIE GAP             | NT    |
| HALL | HALL                    | ACT   | JGK  | JUG CREEK              | QLD   |
| HARV | HARVEY                  | WA    | JIA  | JINDERA                | NSW   |
| HASS | HASTINGS PT             | NSW   | JIBN | JIBBON PT              | NSW   |
| HATF | HATFIELD                | NSW   | JMPP | JAMES PRICE POINT      | WA    |
| HAVY | HAPPY VALLEY            | QLD   | JNEE | JUNEE                  | NSW   |
| HAZ  | HAZELWOOD ISLAND        | QLD   | JNR  | JACKSON RIVER          | QLD   |
| HBB  | HARBOUR BRIDGE          | NSW   | JPP  | JUMPINPIN              | QLD   |
| HBKT | HOLBROOK TOWNSHIP       | NSW   | JSL  | JACOB'S SUGARLOAF      | TAS   |
| HBU  | HOMEBUSH                | QLD   | JUP  | JUPITERS CASINO        | QLD   |
| HBVT | HORNIBROOK VIADUCT      | QLD   | KALK | BASS STRAIT            | TAS   |
| HCTY | HOBART CBD              | TAS   | KALL | KENDALL                | QLD   |
| HDP  | HOOD PT                 | WA    | KANC | KOORANA CROCODILE FARM | QLD   |
| HDWL | HINZE DAM WALL          | QLD   | KAO  | KALKALLO               | VIC   |
| HEAT | HEATHCOTE TOWNSHIP      | VIC   | KBCH | KINGS BEACH            | QLD   |
| HED  | HELIDON                 | QLD   | KBD  | KOOMBOOLOOMBA DAM      | QLD   |
| HGR  | HUGH RIVER              | NT    | KCAS | KING CASCADES          | WA    |
| HGTE | HARROGATE               | SA    | KCFF | KINGSCLIFF             | NSW   |
| HIM  | HILTON MINE             | QLD   | KDBF | KIDSON BLUFF           | WA    |
| HIPA | HIGH PERFORMANCE AREA 3 | QLD   | KERW | KEERWEE                | QLD   |
| HKE  | HERDSMAN LAKE           | WA    | KGLE | KINGLAKE               | VIC   |
| HMM  | HAMMOND ISLAND          | QLD   | KGT  | KINGSTHORPE            | QLD   |
| HMN  | HAMPTON                 | QLD   | KIAN | KIANDRA                | NSW   |
| HNB  | HELENSBURGH             | NSW   | KIM  | KILMORE                | VIC   |
| HNCH | HINCHINBROOK ISLAND     | QLD   | KINN | KINGSTON CENTRE        | VIC   |
| HNLY | HENLEY JETTY            | SA    | KIRA | KIRRA                  | NSW   |
| HNTY | HENTY                   | NSW   | KIWA | KIEWA                  | VIC   |
| HOLM | HOLMES REEF             | QLD   | KKN  | KAIMKILLENBUN          | QLD   |
| HORD | HORDERN HILLS           | NT    | KKV  | KILKIVAN               | QLD   |
| HPI  | HOPE INLET              | NT    | KLCY | KILCOY TOWNSHIP        | QLD   |
| HPT  | HAY PT                  | QLD   | KLTO | KILTO                  | WA    |
| HRD  | HUNGERFORD              | NSW   | KMA  | KIAMA                  | NSW   |
| HRR  | HELENA RIVER RESV       | WA    | KMG  | KILMORE GAP            | VIC   |
| HSP  | HADSPEN                 | TAS   | KNO  | ABEAM KUNOTH           | NT    |
| HST  | HOSKINSTOWN             | NSW   | KNW  | KONGWAK                | VIC   |
| HSTI | HASTINGS                | QLD   | KOOM | KOOMOOLOOBOOKA CAVE    | SA    |
| HSY  | HORNSBY                 | NSW   | KOPP | KOPPEN PARK            | QLD   |
| HVI  | HAVANNAH ISLAND         | QLD   | KOT  | KOOTINGAL              | NSW   |
| HVR  | HOPE VALLEY RESV        | SA    | KREE | KOREELAH               | SA    |
| HVTG | HIGH VOLTAGE            | QLD   | KRMD | KURMOND                | NSW   |
| HWG  | HOWLONG                 | NSW   | KRN  | KURANDA                | QLD   |
| HWW  | HUME WEIR WALL          | VIC   | KRT  | KING RANCH TULLY       | QLD   |
| HXB  | HEXHAM BRIDGE           | NSW   | KSI  | KESWICK ISLAND         | QLD   |
| HYDN | HYDEN                   | WA    | KSPT | KISSING POINT          | QLD   |
| HYH  | HUMMOCKY HILLS          | TAS   | KTG  | KOOLATONG RIVER        | NT    |
| HZWF | HORIZONTAL WATERFALLS   | WA    | KTN  | KYNETON                | VIC   |
| IDK  | INDULKANA TOWNSHIP      | SA    | KTS  | KEATS ISLAND           | QLD   |
| IDNA | INDIANA                 | NT    | KUN  | KUNWARARA              | QLD   |
| IND  | INDEE HS                | WA    | KYE  | KYEAMBA TOWER          | NSW   |
| INGL | INGLEBURN               | NSW   | KYP  | KYEAMBA PARK           | NSW   |
| IPHL | IPPIA HILL              | NT    | LAD  | LAKE DEANE             | NT    |
| ISB  | ISRAELITE BAY           | WA    | LANC | LANCELIN TOWNSHIP      | WA    |

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|-------------|---------------------------------|--------------|-------------|-----------------------------|--------------|
| LAOS        | LAYOAK ISLAND                   | QLD          | LVE         | LINVILLE                    | QLD          |
| LAUD        | LAUDERDALE                      | TAS          | LWD         | LOWOOD                      | QLD          |
| LBET        | LOBETHAL                        | SA           | LWG         | LAWRENCE GORGE              | NT           |
| LBT         | LAKE BATHURST                   | NSW          | LWI         | LOW ISLETS                  | QLD          |
| LCD         | LANCEFIELD                      | VIC          | LYEO        | LAKE YEO                    | WA           |
| LCDI        | LAKE CURRIMUNDI                 | QLD          | LYNR        | LYND RIVER                  | QLD          |
| LCR         | LAKE CORANGAMITE                | VIC          | MAA         | MUNGALLALA                  | QLD          |
| LDAP        | LAKE DISAPPOINTMENT             | WA           | MACB        | MACHANS BEACH               | QLD          |
| LDH         | LADYSMITH                       | NSW          | MADO        | MANDORAH                    | NT           |
| LDLY        | LAIDLEY                         | QLD          | MAL         | MANILLA                     | NSW          |
| LEM         | LAKE EPSOM                      | QLD          | MAR         | MARRAR                      | NSW          |
| LEYN        | LAKE EYRE NORTH                 | SA           | MARQ        | MARINO'S QUARRY             | QLD          |
| LFC         | LONGFORD CREEK                  | QLD          | MARR        | MARRAWAH                    | TAS          |
| LFRO        | LAKE FROME                      | SA           | MAS         | MAGNESITE MINE              | QLD          |
| LFS         | LAKE FINNISS                    | NT           | MAYD        | MAYDNA                      | TAS          |
| LGDA        | LAKE GININDERRA                 | ACT          | MAYL        | MAYLANDS POLICE ACADEMY     | WA           |
| LGEN        | LAKE GILLEN                     | WA           | MBA         | MAREEBA                     | QLD          |
| LGGN        | LAKE GEORGE NORTH               | NSW          | MBBY        | MULLUMBIMBY                 | NSW          |
| LGGS        | LAKE GEORGE SOUTH               | NSW          | MCB         | MOUNT BLACK                 | QLD          |
| LGH         | LANGHAM                         | QLD          | MBD         | MURRAY BRIDGE               | SA           |
| LHCK        | LANGHORNE CREEK                 | SA           | MBH         | MOOLOOLABA                  | QLD          |
| LHD         | LOW HEAD                        | TAS          | MBHB        | MANLY BOAT HARBOUR          | QLD          |
| LIHR        | LIGHTHORSE INTERCHANGE<br>M7/M4 | NSW          | MBHR        | MOUTH OF THE BOHLE RIVER    | QLD          |
| LIY         | LILYDALE                        | TAS          | MBK         | MOUNT BLACKWOOD             | QLD          |
| LKAD        | LAKE AMADEUS                    | NT           | MBKR        | MOUTH OF THE BLACK RIVER    | QLD          |
| LKEC        | LAKE ECHO                       | TAS          | MBR         | MOUNT BOLD RESV             | SA           |
| LKEE        | LAKES ENTRANCE                  | VIC          | MBST        | MOUNT BENSTEAD              | NT           |
| LKG         | LAKE KING                       | WA           | MCAR        | MOUNT CARNARVON             | QLD          |
| LKH         | LAKE HINDMARSH                  | VIC          | MCD         | MOUNT MACEDON               | VIC          |
| LKIM        | LAKE ILMA                       | WA           | MCG         | MELBOURNE CRICKET<br>GROUND | VIC          |
| LKNL        | LAKE NEALE                      | NT           | MCHR        | MOUNT CHRISTIE              | SA           |
| LKON        | LAKE CLARENDON                  | QLD          | MCOM        | MOUNT COMPASS               | SA           |
| LKT         | LAKE ALBERT                     | NSW          | MCOO        | MOUNT COTTON                | QLD          |
| LLN         | MULLEN                          | QLD          | MCOT        | MOUNT COTTRELL              | VIC          |
| LMC         | LAKE MANCHESTER                 | QLD          | MCRO        | MILLS CROSS                 | NSW          |
| LME         | LAKE MAURICE                    | SA           | MCTY        | MELBOURNE CBD               | VIC          |
| LMGE        | LITTLE MULGRAVE                 | QLD          | MDU         | MANDURAH                    | WA           |
| LMWL        | LAKE MINIGWAL                   | WA           | MDY         | MOUNT DAY                   | WA           |
| LNDA        | LUCINDA                         | QLD          | MEER        | MUDGEERABA                  | QLD          |
| LOGI        | LOGIC CENTRE                    | VIC          | MEG         | MENANGLE                    | NSW          |
| LOOH        | LAKE MOOGERAH                   | QLD          | MELE        | MOUNT ELEPHANT              | QLD          |
| LORN        | LORNE TOWNSHIP                  | VIC          | MELS        | MELTON SOUTH                | VIC          |
| LOWS        | LINDENOW SOUTH                  | VIC          | MEV         | MOUNT EVERARD               | WA           |
| LPD         | LEOPOLD                         | VIC          | MBFH        | MOFFAT BEACH                | QLD          |
| LPT         | LEE PT                          | NT           | MFH         | MOFFAT HEAD                 | QLD          |
| LRAN        | LAKE RASON                      | WA           | MFN         | MOUNT FUNNEL                | QLD          |
| LRF         | LONG REEF                       | NSW          | MBGH        | MCGAURAN BEACH              | VIC          |
| LRID        | LAKE RAESIDE                    | WA           | MGEW        | MAGILL ESTATE WINERY        | SA           |
| LRM         | LITTLE RIVER MOUTH              | VIC          | MGL         | MANGALORE                   | TAS          |
| LRP         | LOW ROCKY PT                    | TAS          | MGLO        | MOUNT GLORIOUS              | QLD          |
| LSDW        | LANSDOWNE                       | WA           | MGN         | MOUNT MORGAN                | QLD          |
| LSPR        | LAKE SURPRISE                   | NT           | MHD         | MASTHEAD ISLAND             | QLD          |
| LSR         | LOCH SPORT                      | VIC          | MHGO        | MICHELAGO                   | NSW          |
| LTL         | LAKE THROSSELL                  | WA           | MHT         | MARTHA PT                   | VIC          |
| LTRR        | LAKE TORRENS                    | SA           | MHY         | MURPHY'S CREEK              | QLD          |
| LUY         | LATROBE UNIVERSITY              | VIC          | MIAR        | MIAREE POOL BRIDGE          | WA           |
| LVAB        | LAVERTON                        | VIC          | MIE         | MOONIE                      | QLD          |

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|-------------|------------------------|--------------|-------------|-------------------------|--------------|
| MII         | MIDGE ISLAND           | QLD          | MVC         | MOONEE VALLEY           | VIC          |
| MIJ         | MINJILANG              | NT           |             | RACECOURSE              |              |
| MISB        | MISSION BEACH          | QLD          | MVI         | MOUNT VICTORIA          | NSW          |
| MITI        | MITIAMO                | VIC          | MVL         | MARYSVILLE              | VIC          |
| MIY         | MOUNT NINDERRY         | QLD          | MVO         | MOUNT VERNON HS         | WA           |
| MJK         | MOUNT JACKSON HS       | WA           | MVT         | MOUNT GRAVATT           | QLD          |
| MKN         | MARY KATHLEEN          | QLD          | MWH         | MOUNT WHEELER           | QLD          |
| MKV         | MACKSVILLE             | NSW          | MWK         | MOUNT WILKIE            | WA           |
| MLI         | MOUNT LION             | QLD          | MWR         | MUNDARING WEIR          | WA           |
| MLIT        | MARINO LIGHT HOUSE     | SA           | MYF         | MAYFIELD                | NSW          |
| MLUY        | MOUNT LUCY             | NT           | MYW         | MURRAY DOWNS            | QLD          |
| MMA         | MOSSMAN                | QLD          | MZR         | MACKENZIE RIVER         | QLD          |
| MMM         | MURRUMBATAMAN          | NSW          | NAA         | NARA INLET              | QLD          |
| MMT         | MT MARGARET            | QLD          | NAMA        | NAROOMA                 | NSW          |
| MMY         | MOUNT MOLLOY           | QLD          | NARL        | NOARLUNGA               | SA           |
| MNLY        | MANLY                  | NSW          | NBB         | NOBBYS HEAD             | NSW          |
| MOB         | MOUNT MOOMBIL          | NSW          | NBRR        | NORTHERN TIP BERSERKERS | QLD          |
| MOP         | MANGOPLAH              | NSW          | NCHU        | NYCHUM                  | QLD          |
| MORN        | MORNINGTON             | TAS          | NDI         | NINDIGULLY              | QLD          |
| MPG         | MOUNT PALERANG         | NSW          | NDY         | NODDY REEF              | QLD          |
| MPO         | MILPEROO               | QLD          | NEM         | NEMINGHA                | NSW          |
| MPSC        | MOORE PARK SUPA CENTRE | NSW          | NEN         | NERANG                  | QLD          |
| MPT         | MOUNT PLEASANT         | SA           | NEQ         | NORTH EAST QUARRY       | VIC          |
| MRBR        | MAROUBRA BEACH         | NSW          | NGI         | NGULUPI                 | QLD          |
| MRH         | MAURICE HILL           | QLD          | NHS         | NAMBUCCA HEADS          | NSW          |
| MRI         | MERION                 | QLD          | NIM         | NIMROD PASSAGE          | QLD          |
| MRJ         | MERRIJIG               | VIC          | NKBO        | NECKARBOO               | NSW          |
| MRL         | MARIA ISLAND           | TAS          | NMB         | NAMBOUR                 | QLD          |
| MRTL        | MYRTLE                 | QLD          | NNDO        | NOONDOO                 | QLD          |
| MSC         | MISSION BEACH          | QLD          | NOHD        | NORTH HEAD              | NSW          |
| MSTM        | MILLSTREAM STN         | WA           | NOME        | NOME                    | QLD          |
| MSV         | MOSS VALE              | NSW          | NOOG        | NARROOGAL               | QLD          |
| MTB         | MOUNT BOYCE            | NSW          | NORT        | NORTH LAKE              | WA           |
| MTBA        | MOUNT CORAMBA          | NSW          | NOSA        | NOOSA HEADS             | QLD          |
| MTBL        | MOUNT BOHLE            | QLD          | NPBR        | NEPEAN BRIDGE           | NSW          |
| MTC         | MOUNT COOLUM           | QLD          | NRW         | NARRE WARREN            | VIC          |
| MTD         | MANTON DAM             | NT           | NRWN        | NORWIN                  | QLD          |
| MTEW        | MOUNT STEWAN           | QLD          | NSTA        | NORTH STAR              | NSW          |
| MTK         | MOUNT COOKE            | WA           | NTT         | NIMBIN TV TOWERS        | NSW          |
| MTKI        | MOUNT KINGSTON         | NT           | NUA         | NUNAMARA                | TAS          |
| MTLR        | MOUNT TAYLOR           | ACT          | NUDG        | NUDGEE TIP              | QLD          |
| MTM         | MOUNT MUGGA            | ACT          | NUN         | NUNDLE                  | NSW          |
| MTMA        | MOUNT MARIA            | QLD          | NUPA        | NURIOOTPA               | SA           |
| MTWG        | MOUNT WARNING          | NSW          | OAKF        | OAKFORD                 | WA           |
| MTWK        | MOUNT WALKER           | QLD          | OAT         | OATLANDS                | TAS          |
| MTWN        | MOUNT WELLINGTON       | VIC          | OBC         | OBSERVATION CITY        | WA           |
| MTY         | MOUNT TYSON            | QLD          | OBSH        | OBSERVATORY HILL        | SA           |
| MUDI        | MUD ISLAND             | QLD          | OBY         | OLD BOMBANDY            | QLD          |
| MUE         | MOUNT DALE             | WA           | OEN         | OWEN                    | SA           |
| MUEE        | MUTARNEE               | QLD          | OFD         | OXENFORD                | QLD          |
| MUI         | MURRURUNDI             | NSW          | OHB         | OUTER HARBOR            | SA           |
| MUM         | MOUNT STROMLO          | ACT          | OLCO        | OLD CORK                | QLD          |
| MUNM        | MUNIGANEEN MT          | QLD          | ONPK        | ORAN PARK               | NSW          |
| MUO         | MOUNT UNDOOLYA         | NT           | OOR         | MOUNT OORAMINNA         | NT           |
| MUP         | MULLALOO PT            | WA           | ORF         | ORFORD NESS             | QLD          |
| MUR         | MURWILLUMBAH           | NSW          | ORKS        | ORCHARD ROCKS           | QLD          |
| MUSD        | MOUNT SYDNEY           | WA           | ORKT        | YORK TOWNSHIP           | WA           |
| MVAL        | MCLAREN VALE           | SA           | ORNN        | YORNANING TOWNSHIP      | WA           |



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|-------------|-----------------------------|--------------|-------------|-------------------------|--------------|
| OVL         | OVERLANDER                  | WA           | PWDA        | PURRAWUNDA              | QLD          |
| OWS         | OWEN SPRINGS                | NT           | PWH         | PITTSWORTH              | QLD          |
| PAA         | PATONGA                     | NSW          | PWLC        | POWERLINE CROSSING      | VIC          |
| PAL         | PORT ADELAIDE               | SA           | PYA         | PYALONG                 | VIC          |
| PBF         | PURLINGBROOKE FALLS         | QLD          | PYK         | PYKES CREEK RESV        | VIC          |
| PCA         | PICNIC BAY                  | QLD          | Q1          | QUEBEC ONE              | QLD          |
| PCB         | PRINCESS CHARLOTTE BAY      | QLD          | QAI         | QUAIL ISLAND            | QLD          |
| PCCK        | PELICAN CREEK               | QLD          | QBN         | QUEANBEYAN              | NSW          |
| PCKD        | PERSEVERENCE CREEK DAM      | QLD          | QLW         | QUINALOW                | QLD          |
| PCTY        | PERTH CITY                  | WA           | QNDI        | QUIRINDI                | NSW          |
| PCVE        | PALM COVE                   | QLD          | QSAC        | QUEENSLAND SAC          | QLD          |
| PDNE        | PEAK DOWNS MINE             | QLD          | RADT        | RADIO TELESCOPE         | TAS          |
| PDV         | PORT DAVEY                  | TAS          | RAIS        | RAINE ISLAND            | QLD          |
| PEAR        | PEARSON ISLES               | SA           | RAPD        | RAPID BAY               | SA           |
| PECO        | PEACOCK                     | QLD          | RBY         | RABY BAY                | QLD          |
| PEG         | PEREGIAN                    | QLD          | RCB         | RUSH CUTTERS BAY        | NSW          |
| PENH        | PENNANT HILLS STROBE        | NSW          | RCH         | RICHMOND                | TAS          |
| PENT        | PENRITH                     | NSW          | RCK         | THE ROCK                | NSW          |
| PFRM        | PALM FARM                   | QLD          | RCS         | RED CLIFFS              | VIC          |
| PIB         | PICKERING BROOK GOLF COURSE | WA           | RCSE        | CANBERRA RACECOURSE     | ACT          |
| PIC         | PICTON                      | NSW          | RDHI        | RED HILL                | QLD          |
| PIG         | PIGGERY                     | NSW          | RDRS        | RADAR SITE              | QLD          |
| PII         | PIRATE POINT                | QLD          | RDV         | REDCLIFFE VALE HS       | QLD          |
| PIL         | PICKET HILL                 | NSW          | REDB        | REDLAND BAY             | QLD          |
| PIN         | THE PINES                   | QLD          | REDC        | REDCLIFFE BRIDGE        | WA           |
| PING        | PINGARING                   | WA           | REDF        | REDFERN RAILWAY STATION | NSW          |
| PIPR        | MOUNT PIPER                 | VIC          | REDL        | REDLYNCH                | QLD          |
| PIPS        | PORT PHILLIP HEADS          | VIC          | RENRR       | RENNER SPRINGS          | NT           |
| PIPT        | PINE PT                     | SA           | RER         | RED ROCK                | NSW          |
| PJUL        | PORT JULIA                  | SA           | RESC        | RESEARCH CENTRE         | NT           |
| PKR         | PARK RIDGE WATER TOWER      | QLD          | RGS         | ROLLINGSTONE            | QLD          |
| PLU         | PALUMA DAM                  | QLD          | RIL         | RABBIT ISLAND           | QLD          |
| PLW         | PALM MEADOWS                | QLD          | RIT         | RING TANK               | QLD          |
| PMA         | PORT ALMA                   | QLD          | RIV         | RIVERINA CAMPUS         | NSW          |
| PMG         | PORT MUSGRAVE               | QLD          | RKI         | RATTLESNAKE ISLAND      | QLD          |
| PMPH        | PUMPHREY'S BRIDGE           | WA           | RKWC        | ROOKWOOD CEMETERY       | NSW          |
| PNE         | PORT NEILL                  | SA           | RLR         | ROSSLYNNE RESV          | VIC          |
| PNL         | PORT NOARLUNGA              | SA           | RLY         | ROLEYSTONE              | WA           |
| PNP         | PICNIC PT                   | NSW          | RMH         | RIVER MOUTH             | SA           |
| POMP        | PORT CAMPBELL               | VIC          | RMT         | ROUND MT                | QLD          |
| POWR        | POWERHOUSE                  | WA           | RNN         | RANNES                  | QLD          |
| PRES        | PRESCOTT LAKES              | WA           | ROHM        | ROCKINGHAM              | WA           |
| PRKH        | PARKHURST                   | QLD          | ROK         | ROCKBANK                | VIC          |
| PRP         | PORPOISE PT                 | QLD          | ROTC        | ROBINA TOWN CENTRE      | QLD          |
| PRS         | PRIMROSE SANDS              | TAS          | RRDM        | ROSS RIVER DAM          | QLD          |
| PRT         | PARRAMATTA                  | NSW          | RSEW        | ROSEWOOD ISLAND         | QLD          |
| PSF         | PROSSERS SUGARLOAF          | TAS          | RSH         | ROSEHILL RACECOURSE     | NSW          |
| PSP         | PROSPECT RESV               | NSW          | RSWD        | ROSEWOOD                | QLD          |
| PSS         | POINT STEPHENS              | NSW          | RTY         | RATHDOWNNEY             | QLD          |
|             | LIGHTHOUSE                  |              | RUIS        | RUSSELL ISLAND          | QLD          |
| PSTO        | PROSTON                     | QLD          | RUSS        | RUSSELL                 | WA           |
| PTD         | PORT DOUGLAS                | QLD          | RVB         | ROSEVILLE BRIDGE        | NSW          |
| PTI         | PETRIE                      | QLD          | RVTN        | RIVERTON                | SA           |
| PTOM        | POINT ORMOND                | VIC          | RYB         | RYDE BRIDGE             | NSW          |
| PUTY        | PUTTY                       | NSW          | SADD        | SADDLE MT               | QLD          |
| PVCT        | PORT VINCENT                | SA           | SALW        | SANDALWOOD              | SA           |
| PVS         | PERCIVAL LAKES              | WA           | SAND        | SANDGATE PIER           | QLD          |
|             |                             |              | SAU         | SANCTUARY COVE          | QLD          |

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|-------------|-------------------------|--------------|-------------|-------------------------|--------------|
| SBCH        | SUTTONS BEACH           | QLD          | SSTO        | SANDERSTON              | SA           |
| SBD         | STORY BRIDGE            | QLD          | SSV         | SAMSONVALE              | QLD          |
| SBIT        | SURBITON                | QLD          | STC         | SCOTT CREEK             | NT           |
| SBK         | SPRINGBROOK             | QLD          | STOT        | STOTTS ISLAND           | NSW          |
| SBRR        | SOUTHERN TIP BERSERKERS | QLD          | STPK        | STEPHENSONS PEAK        | NT           |
| SBU         | SUNBURY                 | VIC          | STR         | SOUTHPORT ROAD          | NT           |
| SCG         | SYDNEY CRICKET GROUND   | NSW          | STRA        | STRATHGORDON            | TAS          |
| SCRK        | STONEY CREEK            | QLD          | STT         | SANTA TERESA            | NT           |
| SCTY        | SYDNEY CBD              | NSW          | STTE        | SCOTTSDALE              | TAS          |
| SDG         | SOUTHEDGE               | QLD          | STUM        | STUMERS CREEK           | QLD          |
| SDP         | SANDY PT                | VIC          | SUA         | STUART                  | QLD          |
| SDS         | SHAUNA DOWNS            | QLD          | SUB         | SUBSTATION              | SA           |
| SEC         | SOUTH EAST CAPE         | TAS          | SUD         | SUTHERLAND              | NSW          |
| SECF        | SEA CLIFF BRIDGE        | NSW          | SUE         | SUTTON ROAD OVERPASS    | NSW          |
| SEL         | SHELLEY BRIDGE          | WA           | SUG         | SUGARLOAF PT            | NSW          |
| SFE         | STRATHFINELLA           | QLD          | SUI         | STURT INTERSECTION      | NSW          |
| SFG         | PARADISE GARDENS        | QLD          | SUNZ        | SUN ZINC REFINERY       | QLD          |
| SGK         | SLOPING HUMMOCK         | QLD          | SUPA        | SURFER'S PARADISE       | QLD          |
| SGM         | ST GEORGES MINE         | QLD          | SUTR        | SUGAR TERMINAL          | QLD          |
| SGSV        | SUGARLOAF RESERVOIR     | VIC          | SVAL        | SECOND VALLEY           | SA           |
| SHCR        | SHAW CREEK              | NT           | SVR         | SAVAGE RIVER            | TAS          |
| SHER        | SUTHERLANDS             | SA           | SWLD        | SUGARWORLD              | QLD          |
| SHI         | SHAW ISLAND             | QLD          | SWT         | SUNBURY WATER TANK      | VIC          |
| SHIS        | ST HELENA ISLAND        | QLD          | SWTE        | SAWTELL                 | NSW          |
| SHL         | SHELBURNE BAY           | QLD          | SWY         | SAWYERS VALLEY          | WA           |
| SHOL        | SHOAL                   | VIC          | SYHD        | SYDNEY HEADS            | NSW          |
| SHOP        | ARMADALE SHOPS          | WA           | SYI         | SNOWY INTERSECTION      | NSW          |
| SIS         | ST IVES SHOWGROUND      | NSW          | SYN         | STRATHALBYN             | SA           |
| SJI         | SARAJI                  | QLD          | SYP         | SYMMONS PLAINS          | TAS          |
| SKI         | ST KILDA                | SA           | TAGO        | TARAGO                  | NSW          |
| SKP         | SKIPTON                 | VIC          | TAP         | TARGA GAP               | TAS          |
| SLB         | SELICKS BEACH           | SA           | TAR         | TARGET                  | QLD          |
| SLL         | STANWELL PARK           | NSW          | TAS         | TASMAN BRIDGE           | TAS          |
| SLMT        | SUGARLOAF MT            | NSW          | TBL         | TABULAM                 | NSW          |
| SLP         | SLOPING ISLAND          | TAS          | TBRT        | TIMBERTOP               | QLD          |
| SLPT        | SLADE POINT             | QLD          | TCH         | TALC HEAD               | NT           |
| SLY         | STRELLEY HS             | WA           | TCNR        | THE CORNER              | QLD          |
| SMD         | SOMERSET DAM            | QLD          | TCR         | MOUNT COREE             | ACT          |
| SMIB        | SOUTH MISSION BEACH     | QLD          | TGC         | TUGGERANONG TOWN        | ACT          |
| SMIF        | SMITHFIELD              | QLD          |             | CENTRE                  |              |
| SMN         | SOMERTON                | NSW          | TGN         | TANGORIN                | QLD          |
| SNP         | STATION PIER            | VIC          | TGU         | THE GUMS HS             | SA           |
| SOFA        | SOFALA                  | NSW          | THAW        | THARWA                  | ACT          |
| SOI         | SPLIT SOLITARY ISLAND   | NSW          | THB         | THEEBINE                | QLD          |
| SORL        | SORELL                  | TAS          | THK         | THE OAKS                | NSW          |
| SOV         | MOUNT SOMERVILLE RADAR  | NSW          | THSM        | THOMPSON 1              | QLD          |
| SPIT        | SPIT BRIDGE             | NSW          | THUM        | THE GUMS                | SA           |
| SPMT        | SPRING MOUNTAIN         | QLD          | TID         | TAMAR ISLAND            | TAS          |
| SPN         | SOUTH PINNACLE          | QLD          | TING        | TINGALPA RESERVOIR      | QLD          |
| SPR         | SOUTH PARA RESERVOIR    | SA           | TKER        | TUCKER                  | QLD          |
| SPS         | STANWELL POWER STN      | QLD          | TLAG        | TALLANGATTA             | VIC          |
| SPT         | SOUTHPORT               | QLD          | TLC         | TERRANORA LAKES COUNTRY | QLD          |
| SRIN        | SARINA                  | QLD          |             | CLUB                    |              |
| SRO         | STROUD ROAD             | NSW          | TLEE        | TARLEE                  | SA           |
| SRP         | SOLDIERS POINT          | NSW          | TLK         | TALLAROOK               | VIC          |
| SRR         | SPLIT ROCK RESV         | NSW          | TLMI        | THE LAKES MINE          | WA           |
| SRY         | STANSBURY               | SA           | TLN         | TOOLLEEN                | VIC          |
| SSG         | SIMPSONS GAP            | NT           | TLY         | TALLANGATTA CAUSEWAY    | VIC          |

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|-------------|-------------------------------------|--------------|-------------|-----------------------|--------------|
| TMPT        | TOM PRICE                           | WA           | WEK         | WERRIS CREEK          | NSW          |
| TNP         | THORNTON GAP                        | QLD          | WELL        | WELLINGTON PT         | QLD          |
| TOGA        | TOORONGA                            | VIC          | WELS        | WELSHPOOL             | VIC          |
| TOML        | THOMSONS LAKE                       | WA           | WEP         | WEST PT               | QLD          |
| TON         | LAVERTON BOM TOWER                  | VIC          | WES         | WESTGATE BRIDGE       | VIC          |
| TOO         | TOOBORAC                            | VIC          | WFL         | WATERFALL             | NSW          |
| TOOU        | TOOMULLA                            | QLD          | WFM         | WARWICK FARM          | NSW          |
| TORN        | THORNTON                            | QLD          | WGG         | WOOLGOOLGA            | NSW          |
| TOS         | TWO ROCKS                           | WA           | WGL         | WAIGEN LAKES          | WA           |
| TOWA        | TOWRANA HS                          | WA           | WGR         | WALLANGARRA           | NSW          |
| TOWI        | TARCOWIE                            | SA           | WHDW        | WIVENHOE DAM WALL     | QLD          |
| TPL         | TEMPLE BAY                          | QLD          | WHF         | THE WHARF             | VIC          |
| TRIN        | TRINITY BEACH                       | QLD          | WHM         | WHIM CREEK            | WA           |
| TRT         | TARCUTTA                            | NSW          | WHPL        | WILD HORSE PLAINS     | SA           |
| TRUO        | TRURO                               | SA           | WHW         | WHITEWOOD             | QLD          |
| TRWL        | TALLARINGA WELL                     | SA           | WICK        | WILLIE CREEK          | WA           |
| TTLE        | TURTLE PT                           | NT           | WIE         | WIMMERA               | NSW          |
| TUK         | TUCKERS KNOB                        | NSW          | WIKP        | WICKHAM PT            | NT           |
| TUMB        | TUMBULGUM                           | NSW          | WILE        | WILLEROO              | NT           |
| TUND        | TANUNDA                             | SA           | WITE        | LAKE WHITE            | NT           |
| TVM         | TREVALLYN DAM                       | TAS          | WKT         | WALKERSTON            | QLD          |
| TVT         | ABM TV TOWERS                       | QLD          | WLS         | WELLSHOT              | QLD          |
| TWRN        | TWO RN                              | NSW          | WMB         | WALLUMBILLA           | QLD          |
| TWT         | TEWANTIN                            | QLD          | WMF         | WYMAH FERRY           | NSW          |
| UDA         | ULLADULLA                           | NSW          | WMP         | WOODMAN PT            | WA           |
| UKER        | UKEREBAGH ISLAND                    | NSW          | WMR         | WESTMAR               | QLD          |
| ULAB        | YULABILLA                           | QLD          | WMS         | WILLIAMSTOWN          | VIC          |
| UNDW        | UNDEMOW WATERHOLE                   | NT           | WNFE        | WESTERN FREEWAY       | QLD          |
| UQLD        | UNI OF QLD ST LUCIA                 | QLD          | WNK         | WOOMANOOKA            | QLD          |
| URA         | URANQUINTY                          | NSW          | WOI         | WOOLLAMIA             | NSW          |
| URAN        | URANGAN                             | QLD          | WOOS        | WOODLANDS GOLF COURSE | VIC          |
| URAR        | YURARABA                            | QLD          | WOT         | WOODGATE              | QLD          |
| URC         | URRBRAE AGRICULTURAL<br>HIGH SCHOOL | SA           | WPE         | WALPOLE               | WA           |
|             |                                     |              | WRD         | WARRANDYTE            | VIC          |
| URG         | BURBONG                             | NSW          | WRM         | WOORIM                | QLD          |
| URU         | URUNGA                              | NSW          | WRNA        | WAROONA               | WA           |
| USW         | UPPER SWAN                          | WA           | WRO         | WALLAROO              | SA           |
| VELO        | VELODROME                           | SA           | WRR         | WARREN RESERVOIR      | SA           |
| VICP        | VICTORIA PARK                       | SA           | WSFR        | WISEMANS FERRY        | NSW          |
| VOKH        | VOKES HILL                          | SA           | WSM         | WEST ARM              | NT           |
| VPH         | VPH                                 | WA           | WSN         | WEST LAGOON           | TAS          |
| VTG         | VEHICLE TESTING GROUND              | VIC          | WST         | WESTMEAD              | NSW          |
| WAD         | WARRAGAMBA DAM                      | NSW          | WTB         | WETHERBY              | QLD          |
| WAG         | WANTABADGERY                        | NSW          | WTBG        | WALTER TAYLOR BRIDGE  | QLD          |
| WAM         | WOOMARGAMA                          | NSW          | WTC         | WAITE CAMPUS          | SA           |
| WAN         | WALLAN                              | VIC          | WTG         | WEST GAP              | TAS          |
| WAND        | WANDERING                           | WA           | WTHB        | WITHNELL BAY          | WA           |
| WASL        | WARRAL SILO                         | NSW          | WTRK        | WHITE ROCK            | QLD          |
| WAT         | WANGETTI                            | QLD          | WTS         | WHITTLESEA            | VIC          |
| WAYS        | WAYSIDE                             | NT           | WUN         | WUNDOWIE              | WA           |
| WBEB        | WERRIBEE RACECOURSE                 | VIC          | WUNG        | WUNGONG RESERVOIR     | WA           |
| WBES        | WERRIBEE SOUTH                      | VIC          | WVN         | WEALWANDANGIE         | QLD          |
| WBH         | WALLABADAH                          | NSW          | WYPT        | WOODY PT              | QLD          |
| WBK         | WOODBROOK                           | WA           | WYR         | WYREEMA               | QLD          |
| WCP         | WELLCAMP DOWNS                      | QLD          | YBH         | YARRABAH              | QLD          |
| WDN         | WANDANDIAN                          | NSW          | YBU         | YABULU                | QLD          |
| WDU         | WIRRADGURIE                         | NSW          | YGB         | YANGEBUP LAKE         | WA           |
| WEBS        | WEST BASS                           | VIC          | YKH         | YACKANDANDAH          | VIC          |

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|-------------|-----------------|--------------|-------------|----------------------|--------------|
| YKS         | YORKEYS KNOB    | QLD          | YYM         | YARINGA YACHT MARINA | VIC          |
| YMA         | YAAMBA          | QLD          | YYN         | YAN YEAN RESV        | VIC          |
| YNA         | YANDINA         | QLD          | ZIN         | ZUIZIN ISLAND        | QLD          |

## ROUTE FLIGHT PLANNING REQUIREMENTS

All ACFT are required to comply with the following flight planning requirements when operating in civil and military controlled airspace. Requirements pertaining to off air route operations (including User Preferred Routes) can be found in the Off Air Route Planning (OARP) Manual on the Airservices website via the Flight Briefing page and Off Air Route Flight Planning Options: [www.airservicesaustralia.com/industry-info/flight-briefing/off-air-route-flight-planning-options/](http://www.airservicesaustralia.com/industry-info/flight-briefing/off-air-route-flight-planning-options/).

*Note: Aircraft Type Designators are available online:*

*[www.airservicesaustralia.com/naips/Documents/About](http://www.airservicesaustralia.com/naips/Documents/About).*

### 1. NEW SOUTH WALES/ACT

| ROUTE SECTION                | REQUIREMENT                                                                                         |
|------------------------------|-----------------------------------------------------------------------------------------------------|
| Canberra - AKMIR             | Not AVBL ABV FL200                                                                                  |
| KADOM - TESAT                | Not AVBL unless overflying TESAT FL290 or ABV                                                       |
| Lord Howe - Port Macquarie   | ATS Route W768 must not be flight planned when M550ABCD ACT. VFR transit not assured when M550 ACT. |
| MAKOR - Williamtown          | Not to be flight planned ABV A085.                                                                  |
| Nowra - Camden               | Not to be flight planned                                                                            |
| Parkes - Gunnedah - Inverell | Not to be flight planned ABV FL200                                                                  |
| Port Macquarie - OLTIN       | Not to be flight planned ABV A085                                                                   |
| Quirindi - Richmond          | Not to be flight planned                                                                            |
| Richmond - Bankstown (V11)   | Not AVBL ABV A060                                                                                   |
| Richmond - AKMIR             | Not to be flight planned ABV A080.                                                                  |
| Richmond - MAKOR             | Not to be flight planned ABV A090. Piston aircraft only except for YSRI departures                  |
| ATGOD - AKMIR                | Not AVBL above FL160                                                                                |
| Taree - OLTIN                | Not to be flight planned ABV A085                                                                   |
| Taree - Williamtown          | Not to be flight planned when R584A or R588ABC ACT                                                  |
| Williamtown - KAMBA - Sydney | Not to be flight planned.                                                                           |
| Wollongong - Canberra        | Not to be flight planned ABV A100 for ACFT landing Canberra.                                        |

### 1.1. Sydney Departures - Jet

|                                                          |                                                                                                                                                                                                                                                    |
|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SOUTH<br>Landing YSCB<br>Overflying YSCB                 | Via WOL<br>WOL H65<br>WOL J42 CB                                                                                                                                                                                                                   |
| NORTH (ports to YBSU)                                    | Via OLSEM<br>FL250 and ABV:<br>OLSEM Y193 BANDA. Vertical requirements apply refer<br><i>A/P DAP</i> BLW FL250 or unable to meet vertical<br>requirements must plan OLSEM H252 UPNEX H140<br>MATLA                                                 |
| Landing YWLM                                             | OLSEM H252 EKIPU                                                                                                                                                                                                                                   |
| NORTH EAST (Routes N of G595)                            |                                                                                                                                                                                                                                                    |
| Via B474                                                 | via NOBAR B474<br>When M550ABCD, M670, M661 or M649 is active: via<br>G595 ATNAT DCT DUDEP Y70 BISAB J328 ISTEM B474<br>or<br>when only M550ABCD is active: OLSEM Y193 BANDA<br>DCT VEMLA B474 (Refer <i>A/P DAP</i> for vertical<br>requirements) |
| Via B580                                                 | via NOBAR B580<br>When M550ABCD is active: via G595 ATNAT DCT DUDEP<br>Y70 BISAB J328 MISLY B580                                                                                                                                                   |
| Via A579                                                 | via NOBAR A579<br>When M550ABCD is active: via G595 ATNAT DCT DUDEP<br>DCT UPSAD A579                                                                                                                                                              |
| Via B450                                                 | via NOBAR B450<br>When M550ABCD is active: via G595 ATNAT DCT ABARB<br>B450                                                                                                                                                                        |
| EAST (New Zealand Ports)                                 |                                                                                                                                                                                                                                                    |
| For NZAA, NZHN<br>For NZPM, NZWN, NZCH<br>For NZDN, NZQN | EVONN L521 LEGAN<br>CAWLY M636 PLUGA<br>OPTIC Y84 TONIM                                                                                                                                                                                            |
| WEST                                                     | If joining T74 ACFT must plan via RIC H226 ENPAG                                                                                                                                                                                                   |
| NORTH WEST                                               | Via RIC H530 LASUD<br>If R570B or D active:<br>Plan via RIC H530 to KABIX                                                                                                                                                                          |

### 1.2. Sydney Departures - Non-jet

|                               |                                                                                                                                                            |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SOUTH                         |                                                                                                                                                            |
| Coastal Ports<br>Inland Ports | Via WOL<br>Via PEGSU                                                                                                                                       |
| NORTH                         | Not to be flight planned BLW A100.<br>Via KAMBA V258 MATLA or<br>KAMBA V140 WLM<br>(Tracking via WLM subject to MIL traffic during Williamtown<br>ATS HR). |
| EAST                          | Refer Sydney Departures - Jet                                                                                                                              |
| WEST                          | Via AKMIR is NOT AVBL. Plan via KADOM or PEGSU                                                                                                             |

|         |                                                                                                                                                                                                                                                        |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Via H76 | <p>When R560 is active:<br/> RIC H76<br/> If R560 is active, plan AT or BLW A085 or via RIC H530 MUDGI H66 UPVEN and expect to requirement to reach FL240 by MUDGI.<br/> If R570A is active, plan AT or BLW A085 or outbound via KAMBA V258 MATLA.</p> |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### 1.3. Bankstown Departures

|                          |                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SOUTH                    |                                                                                                                                                                                                                                                                                                                                                   |
| Jets                     | DCT WOL                                                                                                                                                                                                                                                                                                                                           |
| Non-jets - inland ports  | DCT PEGSU                                                                                                                                                                                                                                                                                                                                         |
| Non-jets - coastal ports | DCT WOL                                                                                                                                                                                                                                                                                                                                           |
| NORTH                    |                                                                                                                                                                                                                                                                                                                                                   |
| Via KAMBA                | Turbine powered ACFT AT or ABV A100 DCT BK KAMBA                                                                                                                                                                                                                                                                                                  |
| Via OLSEM                | Jet aircraft DCT BK OLSEM                                                                                                                                                                                                                                                                                                                         |
| Via MAKOR                | DCT RIC V665 MAKOR<br>(Not to be flight planned above A100)                                                                                                                                                                                                                                                                                       |
| Via EMSUR                | <p>BK RIC H76 EMSUR<br/> <i>Note: Turbine powered ACFT planned AT or ABV A100 landing on or east of a line RIC-TW, must track via MATLA (except when landing YSCO).</i><br/> If R560 active:<br/> Track EMSUR Z105 EKIBI if unable to reach FL240 by EMSUR or via RIC H530 MUDGI H66 UPVEN and expect to requirement to reach FL240 by MUDGI.</p> |
| EAST                     | DCT TESAT then refer Sydney Departures - Jet                                                                                                                                                                                                                                                                                                      |
| WEST                     | Via AKMIR is NOT AVBL. Plan via KADOM or PEGSU                                                                                                                                                                                                                                                                                                    |

### 1.4. Richmond Departures

|                 |                                                                                                                                                        |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| SOUTH           | <p>DCT ANKUB DCT PEGSU or W430 WOL, A050 and BLW or A100 and ABV or<br/> DCT RAKSO W144 TONTO A050 and BLW<br/> RIC DCT AKMIR NOT AVBL ABV A080</p>    |
| NORTH via MAKOR | A090 and BLW - DCT MAKOR                                                                                                                               |
| EAST            | DCT ANKUB DCT TESAT then refer Sydney Departures - Jet                                                                                                 |
| Via H76         | <p>RIC H76<br/> If R560 is active, plan via RIC H530 MUDGI H66 UPVEN and expect a requirement to reach FL240 by MUDGI or RIC H76 EMSUR Z105 EKIBI.</p> |

**1.5. Sydney Arrivals - Jets**

|                                |                                                                                                                |
|--------------------------------|----------------------------------------------------------------------------------------------------------------|
| SOUTH and SOUTH WEST           | Routes to join Y59 by CULIN                                                                                    |
| NORTH                          | Routes to join H652 by IGDAM                                                                                   |
| WEST                           | VELGI Y105 TARAL Y59                                                                                           |
| NORTH EAST (Routes G595 and N) |                                                                                                                |
| B474                           | BEADS DCT RIKNI N774<br>When M550ABCD, M670, M661 or M649 is active: ISTEM J328 MISLY DCT ABARB DCT RIKNI N774 |
| B580                           | IFFEY DCT RIKNI N774<br>When M550ABCD is active: MISLY DCT ABARB DCT RIKNI N774                                |
| A579                           | UPSad DCT ABARB DCT RIKNI N774                                                                                 |
| B450                           | LHI H258 RIKNI N774 TESAT                                                                                      |
| G595                           | ATNAT RIKNI N774 TESAT                                                                                         |
| EAST (from New Zealand ports)  |                                                                                                                |
| M636 or N750                   | PLUGA DCT RIKNI N774                                                                                           |
| P766                           | TONIM DCT RIKNI N774                                                                                           |

**1.6. Sydney Arrivals - Non-jets**

|                                                                                              |                                                                                                          |
|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| SOUTH and WEST                                                                               |                                                                                                          |
| Departing YSHL<br>H65 THRU W to line ANBAN -<br>AGETA<br>East of line ANBAN - AGETA to coast | WOL W652 ODALE W113 at A060; W430 NOT AVBL<br>Via AKMIR W113<br>Refer NORTH entry                        |
| NORTH                                                                                        |                                                                                                          |
| Via OLTIN<br>Via LALIB<br>Departing YWLM                                                     | OLTIN W786<br>LALIB W702 OLTIN W786<br>WLM MONDO DCT LOWEP W786; or<br>WLM 603 MEPIL W786 (A075 and BLW) |
| EAST                                                                                         | Refer Sydney Arrivals - Jet                                                                              |

**1.7. Bankstown Arrivals**

|                                                                                              |                                                                                                                           |
|----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| SOUTH and WEST                                                                               |                                                                                                                           |
| Departing YSHL<br>H65 THRU W to line ANBAN -<br>AGETA<br>East of line ANBAN - AGETA to coast | WOL W652 DARGI Y20 BK at A060; W430 not AVBL<br>(Published) Routes to join V599, expect DARGI Y20 BK<br>Refer NORTH entry |
| NORTH                                                                                        |                                                                                                                           |
| Via OLTIN<br>Via ISREV                                                                       | OLTIN V543 DUUKE Q155 RIC V11 BK.<br>ISREV Q155 RIC V11 BK                                                                |
| EAST                                                                                         | Refer Sydney Arrivals - Jet, then TESAT DCT BK                                                                            |

**1.8. Richmond Arrivals**

|       |                                                 |
|-------|-------------------------------------------------|
| EAST  | Refer Sydney Arrivals - Jet, then TESAT DCT RIC |
| NORTH | Via RUNNA - RIC                                 |



**1.9. Overflights within 45NM Sydney**

|                                         |                                                                          |
|-----------------------------------------|--------------------------------------------------------------------------|
| BLW A100                                |                                                                          |
| NORTH BOUND<br>SOUTH BOUND              | AKMIR W713 KADOM DCT MAKOR at A070<br>MAKOR DCT KADOM W713 AKMIR at A060 |
| A100 and ABV<br>EAST BOUND INTL via PKS | Plan via ERC route<br>ABV FL280, PKS A576 TESAT then Oceanic Route       |
| From S landing YWLM                     |                                                                          |
| Jets<br>Non-jets                        | TESAT H252 via OLSEM<br>TESAT V140 OVLUX                                 |
| From N Departing YWLM                   |                                                                          |
| Jets<br>Non-jets (A100 and ABV)         | Via LIMLO H536 NWA<br>WLM MONDO W786 TESAT                               |

**1.10. Willamtown Departures**

|                             |                                                                                                                                   |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| NORTH                       |                                                                                                                                   |
| To north or north east      | Via UBSON NICLA                                                                                                                   |
| Jets – north west           | WLM UBSON NICLA SORTI SANAD - TAMWORTH or ARMIDALE                                                                                |
| Jets – destination Tamworth | Via KEXAR                                                                                                                         |
| Non-jets –north west        | Via KEXAR                                                                                                                         |
| EAST                        |                                                                                                                                   |
| Willamtown - Lord Howe      | ATS Route W149 must not be flight planned when M550ABCD ACT. An alternative route via PMQ must be planned WLM V535 NICLA V652 PMQ |
| SOUTH                       |                                                                                                                                   |
| To south                    | Via LIMLO                                                                                                                         |
| To south west               | Via MONDO                                                                                                                         |
| WEST                        |                                                                                                                                   |
| Jets                        | Via UBSON NICLA SORTI SANAD                                                                                                       |
| Non-jets                    | Via KEXAR                                                                                                                         |

**1.11. Willamtown Arrivals**

|                     |                                 |
|---------------------|---------------------------------|
| SOUTH               |                                 |
| Jets                | Via TESAT H252 WLM              |
| Non-jets            | Via TESAT V140 WLM              |
| NORTH               |                                 |
| North or north west | Via LAXUM WLM                   |
| Via EMSUR           | EMSUR TIMBO W417 LAXUM WLM      |
| Via TIMBO           | TIMBO W417 LAXUM WLM            |
| Via SANAD           | SANAD V779 LAXUM WLM            |
| Via SORTI           | SORTI W656 IDSEB V779 LAXUM WLM |

|                         |                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| <b>EAST</b>             |                                                                                                                                             |
| Lord Howe - Williamtown | ATS Route W149 must not be flight planned when M550ABCD ACT. An alternative route via PMQ must be planned using Williamtown North West FPR. |
| Via NONID               | NONID Q226 WLM<br>Not to be flight planned when M550ABCD active. An alternative route must be planned NONID N774 MARLN OLSEM H252 WLM       |
| <b>WEST</b>             |                                                                                                                                             |
| Via PUDUT               | Plan via NORTH or SOUTH unless:<br>Via MAKOR-PUDUT<br>Not to be flight planned for non-piston aircraft except YSRI departures.              |
| Via LAXUM               | TIMBO W417 LAXUM WLM                                                                                                                        |

## 2. NORTHERN TERRITORY

### 2.1. Darwin Departures - Jet

|                                  |                                    |
|----------------------------------|------------------------------------|
| CS clockwise to AD and AS        | via Y25                            |
| 090DN VOR to 170DN VOR inclusive | via Y25                            |
| 171DN VOR to 255DN VOR inclusive | via J151 - IRPOM - preferred route |
| 256DN VOR to 299DN VOR inclusive | via J61 JULIE                      |
| 300DN VOR to 359DN VOR inclusive | via OCTOB - preferred route        |
| 077DN VOR to 170DN VOR inclusive | via Y25 RUPEG                      |

### 2.2. Darwin Departures - Non-jet at or above A090

|                                  |                                    |
|----------------------------------|------------------------------------|
| 121DN VOR to 180DN VOR inclusive | via J251                           |
| 181DN VOR to 234DN VOR inclusive | via W287 - LEVRI - preferred route |
| 271DN VOR to 295DN VOR inclusive | via J61 JULIE                      |
| 060DN VOR to 100DN VOR inclusive | via VANDI - preferred route        |
| 101DN VOR to 120DN VOR inclusive | via RUSKA - preferred route        |

### 2.3. Darwin Arrivals - Jet

|                                  |                                                                 |
|----------------------------------|-----------------------------------------------------------------|
| CS clockwise to AD and AS        | via Q23 (joining at various points on track as per FPL options) |
| 091DN VOR to 180DN VOR inclusive | via Q23 (joining at various points on track as per FPL options) |
| 181DN VOR to 255DN VOR inclusive | via JULUP - J72                                                 |
| 256DN VOR to 359DN VOR inclusive | via ANUPA - M768                                                |
| 060DN VOR to 090DN VOR inclusive | via DAGAK GATOR                                                 |

### 2.4. Darwin Arrivals - Non-jet at or above A100

|                                  |                                                                 |
|----------------------------------|-----------------------------------------------------------------|
| 060DN VOR to 105DN VOR inclusive | via DAGAK GATOR                                                 |
| 106DN VOR to 170DN VOR inclusive | via Q23 (joining at various points on track as per FPL options) |
| 171DN VOR to 234DN VOR inclusive | via JULUP - J72                                                 |
| 256DN VOR to 359DN VOR inclusive | via ANUPA - M768                                                |

**2.5. Darwin Air Route Restrictions - Landing**

|      |                               |
|------|-------------------------------|
| B598 | MASRA DN NAVBL A/C LANDING DN |
| J151 | IBOMU DN NAVBL A/C LANDING DN |
| J61  | DUMAV DN NAVBL A/C LANDING DN |
| J138 | SURVO DN NAVBL A/C LANDING DN |
| J251 | TN DN NAVBL A/C LANDING DN    |
| A461 | AS DN NAVBL A/C LANDING DN    |
| A461 | ADKUL DN NAVBL A/C LANDING DN |
| J151 | IRPOM DN NAVBL A/C LANDING DN |
| M766 | IDOTO DN NAVBL A/C LANDING DN |
| A458 | KILIK DN NAVBL A/C LANDING DN |
| J61  | PAGMI DN NAVBL A/C LANDING DN |

**2.6. Darwin Air Route Restrictions - Departing**

|             |                                 |
|-------------|---------------------------------|
| B598        | DN MASRA NAVBL A/C DEPARTING DN |
| J151        | DN IBOMU NAVBL A/C DEPARTING DN |
| J61/J138    | DN NOKUN NAVBL A/C DEPARTING DN |
| J251 (JETS) | DN LAKUP NAVBL A/C DEPARTING DN |
| A461        | DN AGUST NAVBL A/C DEPARTING DN |
| J72         | DN WANGI NAVBL A/C DEPARTING DN |
| M766        | DN JACKI NAVBL A/C DEPARTING DN |
| A458        | DN ZAARS NAVBL A/C DEPARTING DN |
| M768        | DN ANUPA NAVBL A/C DEPARTING DN |

**2.7. Darwin - Dili**

|               |                                                                                                                                |
|---------------|--------------------------------------------------------------------------------------------------------------------------------|
| Darwin - Dili | All ACFT ABV FL240 must plan via IKUMA then ATS route Z86.<br>All ACFT FL240 and below must plan via JULIE then ATS route Z69. |
| Dili - Darwin | All ACFT ABV FL240 must plan via Z12 ELBIS M768 DN.<br>All ACFT FL240 and BLW must plan via TODOT Z10 ANUPA M768 DN.           |

**2.8. Routes affected by Restricted Area Status**

|                                                                                                                                                                |                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| Alice Springs - Darwin<br>Darwin - Alice Springs                                                                                                               | A461 when R225ABCDEF and R250 are not active        |
| DN – CS clockwise to AD and AS                                                                                                                                 | RUPEG ADKIV (Y25) NAVBL BLW FL270 when R228A active |
| 090 DN VOR to 170 DN VOR inclusive                                                                                                                             | RUPEG ADKIV (Y25) NAVBL BLW FL270 when R228A active |
| 101 DN VOR TO 120 DN VOR inclusive                                                                                                                             | DN RUSKA (W473) NAVBL when R228A active             |
| Tindal - LARAB - Tindal                                                                                                                                        | A464 when R225ABCDEF and R250 are not active        |
| VFR aircraft departing and arriving DN, with the exception of destinations on Bathurst or Melville Islands, are required to plan via a published DN VFR Route. |                                                     |

**2.9. Alice Springs - Ayers Rock**

|                                                                                                                                                                                                                       |                                                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alice Springs - Ayers Rock                                                                                                                                                                                            | 1. All ACFT ABV A100 landing at Ayers Rock must plan via V656.<br>2. ACFT overflying AYE NDB must plan via ATS route W408 between AS VOR and AYE NDB.       |
| Ayers Rock - Alice Springs                                                                                                                                                                                            | 1. ACFT must plan via LUVAV.<br>2. When using the PUMAK INTERCEPT a distance not less than 13 DME AS must be maintained until established on the localiser. |
| <i>Note: The following route segments in the Ayers Rock area are not to be flight planned without prior approval:</i><br>Y69 between UPRUN and VIPAR<br>T47 between AYE NDB and RURAP<br>Y93 between VIPAR and AS VOR |                                                                                                                                                             |

**2.10. Alice Springs Air Route Restrictions**

|     |                                                                                                                                               |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------|
| T85 | ACFT must not flight plan via SCHEE when arriving or departing YBAS.<br>T85 must only be flight planned when overflying YBAS AT or ABV FL190. |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------|

**3. QUEENSLAND****3.1. Brisbane Departures - Jets**

|                       |                                                                                                                      |
|-----------------------|----------------------------------------------------------------------------------------------------------------------|
| <b>NORTH</b>          |                                                                                                                      |
| To North              | Via Q67 BIXAD                                                                                                        |
| To North East         | Via Q67 BIXAD A598 PONUX<br>When M640 is active (depending on restricted area levels): via Q67 GUDSO Q24 TERUV PUGEL |
| Destination YBSU      | Via ITIDE Q69 SU DCT                                                                                                 |
| <b>EAST</b>           |                                                                                                                      |
| To East or South East | Via B578 GUMKI<br>Via J208 SCOTT                                                                                     |
| <b>SOUTH</b>          |                                                                                                                      |
| Destination YBCG      | Via LAGOB                                                                                                            |
| To South              | Via H91 SANEG                                                                                                        |
| <b>WEST</b>           |                                                                                                                      |
| To West               | Via V250 LEBIT V412 ROM                                                                                              |
| To North West         | Via V250 IBUNA                                                                                                       |
| Destination YKRY      | Via V250 IBUNA V530 MENEN (not above FL120)                                                                          |

**3.2. Brisbane Departures - Non-jets**

|                                                   |                                  |
|---------------------------------------------------|----------------------------------|
| <b>NORTH</b>                                      |                                  |
| To North                                          | Via V308 AKOBA                   |
| Destination YBSU<br>(ACFT at or BLW 5,700KG MTOW) | Via BUGNU W247 SU DCT            |
| Destination YBSU<br>(ACFT ABV 5,700KG MTOW)       | Via ITIDE Q69 SU DCT             |
| <b>EAST</b>                                       |                                  |
| To East or South East                             | Via B578 GUMKI<br>Via J208 SCOTT |

|                                       |                                                                                                                                                       |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>SOUTH</b>                          |                                                                                                                                                       |
| Destination YBCG                      | Via LAGOB                                                                                                                                             |
| Destination YLIS                      | Via W276                                                                                                                                              |
| To South                              | Via H91 SANEG                                                                                                                                         |
| <b>WEST</b>                           |                                                                                                                                                       |
| Destination YEML, YBTR                | Via Q484 LIKTO Q421 UNVAT                                                                                                                             |
| Destination YMRB                      | Via V308 SAGLI W231 GLA W636 RK W518 NIPOM<br>Additional route available for thunderstorm avoidance:<br>Via Q484 LIKTO Q421 UNVAT W270 EML W613 NIPOM |
| Destination YTWB, YSGE, YGDI and YBWW | Via Q484 RUDEY BIVAT                                                                                                                                  |
| Destination YBOK                      | Via Q484 RUDEY OK                                                                                                                                     |
| Destination YKRY                      | Via V250 IBUNA V530 MENEN (not above FL120)                                                                                                           |
| Between 233BN VOR and 298BN VOR       | Via Q484 RUDEY                                                                                                                                        |
| South of 233BN VOR                    | Via H91 SANEG                                                                                                                                         |

### 3.3. Brisbane Arrivals - Jets

|                                 |                                                      |
|---------------------------------|------------------------------------------------------|
| <b>NORTH</b>                    |                                                      |
| From North                      | LAMUG Y177 BN DCT                                    |
| Departure YBSU                  | Via Q35 MUDDL                                        |
| Departure YHBA                  | Via W699 SOSTU V221 LAMUG Y177 BN DCT                |
| Departure YBUD                  | Via V163 LAMUG Y177 BN DCT                           |
| <b>EAST</b>                     |                                                      |
| From North East                 | Via ATROP H224 BN DCT                                |
| From East                       | Via SAVER G329 BN DCT                                |
| <b>SOUTH</b>                    |                                                      |
| From South East                 | Via T53 GOMOL H252 BN DCT                            |
| Between CG and 210BN VOR        | GOMOL H252 BN DCT<br>IDNER H66 LAGOB H252 BN DCT     |
| <b>WEST</b>                     |                                                      |
| Departure YMLS                  | YMLS DCT BEPNA Y79 BN DCT                            |
| North of 260BN VOR to 300BN VOR | Via ROM Y166 IDLEG V327 IGUPI Y340 LAMUG Y177 BN DCT |
| Between 210BN VOR and 260BN VOR | Via Y94 GUSNI DCT ENLIP Y27 BN DCT                   |

### 3.4. Brisbane Arrivals - Non-jets

|                 |                                       |
|-----------------|---------------------------------------|
| <b>NORTH</b>    |                                       |
| From North      | OTLEB V307 BN DCT                     |
| Departure YBSU  | Via V217 GAYLA V307 BN DCT            |
| Departure YHBA  | Via W699 SOSTU V372 OTLEB V307 BN DCT |
| Departure YBUD  | Via V315 OTLEB V307 BN DCT            |
| <b>EAST</b>     |                                       |
| From North East | Via ATROP H224 BN DCT                 |
| From East       | Via SAVER G329 BN DCT                 |
| <b>SOUTH</b>    |                                       |
| From South      | Via IDNER DCT GOMOL H252 BN DCT       |

| <b>WEST</b>             |                           |
|-------------------------|---------------------------|
| From West               | NODOR Y79 BN DCT          |
| Departure YMLS          | YMLS DCT BEPNA Y79 BN DCT |
| Departure YKRY          | Via V662 WOODY Y79 BN DCT |
| Departure YTWB and YBWW | Via Y241 WOODY Y79 BN DCT |
| From South West         | Via ENLIP Y27 BN DCT      |

### 3.5. Brisbane Overflights

ACFT planning transit flights overhead Brisbane AD/CTR should plan at or above A070.

### 3.6. Archerfield - Departures

| <b>NORTHWEST</b>                  |                                                      |
|-----------------------------------|------------------------------------------------------|
| SUSGI or East thereof             | via BN V308 AKOBA                                    |
| Emerald / Blackwater A100 and ABV | via WACKO IBUNA Q493 IGUPI                           |
| Via SURPO                         | via NOT ABV A060                                     |
| YKRY                              | Via WACKO V250 IBUNA V530 MENEN<br>(not above FL120) |
| YTAM                              | Via WACKO V250                                       |

### 3.7. Cairns Overflights

ACFT using air routes Q67 or Q499 to CS then using B473, R204 or A216 from CS, flight plan from UPOLO or NONUM DCT to MEMOS, KIMMI or MEMIG.

### 3.8. Cairns Arrivals - from southeast

|                                                      |                             |
|------------------------------------------------------|-----------------------------|
| Jet ACFT departing YBTL                              | Via R346 RUMKA Q67 CS       |
| Non-jet ACFT departing YBTL or via TL                | Via PEWEE V308 BARIA Q67 CS |
| All other routes                                     | On Track                    |
| Jet ACFT via VOMPA - the following route is NOT AVBL | TL R346 RUMKA Q67 CS        |

### 3.9. Cairns Departures

|                     |                        |
|---------------------|------------------------|
| Jet ACFT via TL VOR | Via Y177 AKROM R346 TL |
| Arriving YBTL       | Via V264 IGIKI         |
| All other routes    | On Track               |

### 3.10. Gold Coast

| <b>Departures</b>                     |                                                                                                                       |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| ACFT Departing on route Q16           | include APAGI in flight plan details                                                                                  |
| <b>Departures to the South</b>        |                                                                                                                       |
| Jet ACFT to flight plan via 218CG VOR | intercept ATS route H91 at APAGI (Sydney)<br>intercept ATS route Q35 at ISKIM (Melbourne)<br>track via Q16 (Adelaide) |
| Non-jet ACFT ABV A100 to Flight Plan  | via 198CG VOR to IDNER                                                                                                |
| <b>Departures to the North</b>        |                                                                                                                       |
| To North                              | Via Q47 IDRAS                                                                                                         |
| To North West                         | Via Q47 IDRAS Y258 LEBIT                                                                                              |

|                                                                                                                                       |                                            |
|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| <b>Departures to New Zealand</b>                                                                                                      |                                            |
| Direct to DUBUD, LHI, SIFRA or via T53.<br>T53: When M661 is active (depending on Restricted Area levels) plan GOMOL LAMSI N584 SAKBI |                                            |
| <b>Departures to the West - Turbojet ACFT</b>                                                                                         |                                            |
| T33                                                                                                                                   | via APAGI Q16 PAVBI Q4 IDBUG Q42 ANROM T33 |
| <b>Arrivals from the South</b>                                                                                                        |                                            |
| Jet ACFT must plan via BERNI Y43 GREAV GOMOL                                                                                          |                                            |
| Non-jet aircraft, RNAV or RNP, at or above FL130 shall plan BERNI ROONY KERRI                                                         |                                            |
| Non-jet aircraft, NON RNAV or NON RNP, at or above FL130 shall plan RIDVO                                                             |                                            |
| Non-jet ACFT BLW FL130 must plan via RIDVO                                                                                            |                                            |
| <b>Arrivals from the East</b>                                                                                                         |                                            |
| Via LAMSI                                                                                                                             |                                            |
| When M661 is active (depending on Restricted Area levels): SIFRA N584 LAMSI                                                           |                                            |
| <b>Arrivals from the North West</b>                                                                                                   |                                            |
| Via BN Y177 GOMOL DCT                                                                                                                 |                                            |

### 3.11. Arrivals from the West and North West - Turbo-jet ACFT

|                                 |
|---------------------------------|
| Via SMOKA BN Y177 GOMOL DCT     |
| Via WOODY BN Y177 GOMOL DCT     |
| Via ENLIP Y27 BN Y177 GOMOL DCT |

### 3.12. Sunshine Coast

|                                 |                      |
|---------------------------------|----------------------|
| <b>Departures</b>               |                      |
| Jet Departures South            | Via Q35 SANEG        |
| Non-jet Departures South        | Via V217 GAYLA       |
| Jet Departures North            | Via TAPET Q67        |
| Jet Departures North West       | Via TAPET COOLA V129 |
| Non-jet Departures North        | Via TAPET MAGPI      |
| Non-jet Departures North West   | Via TAPET SUSGI      |
| <b>Arrivals</b>                 |                      |
| Arrivals from the North West    | Via SUSGI W534 SEBVA |
| Arrivals from the North East    | Via Y32 REBEG        |
| Jet Arrivals from the South     | Via GOMOL Q69 SU DCT |
| Non-jet Arrivals from the South | Via BN BUGNU SU DCT  |

### 3.13. Mackay, Rockhampton and Townsville

|                                              |                         |
|----------------------------------------------|-------------------------|
| Mackay - Townsville                          | BITAS V308 TL           |
| Townsville - Mackay                          | ALBUX V153 MK           |
| Mackay - Rockhampton                         | LERKI V153 RK           |
| Rockhampton - Mackay                         | EMSUP V308 MK           |
| Non-jet ACFT departing Rockhampton via SUSGI | RK V111 BUDGI V99 SUSGI |

### 3.14. Townsville IFR Departure - Diversions when R736 and R751 active A060 and ABV

|                                      |                                                                                |
|--------------------------------------|--------------------------------------------------------------------------------|
| For W660 and Charters Towers (YCHT). | Flight plan via ANRUB then to rejoin published track at next reporting point.  |
| For W469, W637, W265, W528 and J184. | Flight plan via CATEY then to rejoin published track at next reporting point.  |
| For Z51, J138 and W841.              | Flight plan via KALBA, then to rejoin published track at next reporting point. |

### 3.15. Townsville IFR Arrivals - Diversions when R736 and R751 active A060 and ABV

|                                                                       |                                 |
|-----------------------------------------------------------------------|---------------------------------|
| For W660 and Charters Towers (YCHT), W469, W637, W265, W528 and J184. | Flight plan via BATIR VOMPA TL. |
| For Z51, J138 and W841.                                               | Flight plan via KALBA SEMBU TL. |

### 3.16. Townsville - Diversions when R737ABCD active

|                                                    |                                                                                                           |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Southern Diversion                                 |                                                                                                           |
| Departures<br>For W660 and Charters Towers (YCHT). | Expect departure clearance via ANRUB then to rejoin published track at next reporting point.              |
| Departures<br>For W469, W637, W265, W528 and J184. | Expect departure clearance via ANRUB Q71 DOBGO then to rejoin published track at next reporting point.    |
| Arrivals<br>For W660 and Charters Towers (YCHT).   | Expect arrival clearance via BATIR VOMPA TL.                                                              |
| Arrivals<br>For W469, W637, W265, W528 and J184.   | Expect arrival clearance via HUG Y34 BATIR VOMPA TL.                                                      |
| Northern Diversion                                 |                                                                                                           |
| Departures<br>For J138, W841 and Z51.              | Expect departure clearance via CARMN (W387) KIBOP then to rejoin published track at next reporting point. |
| Arrivals<br>For J138, W841 and Z51.                | Expect inbound clearance via KIBOP (W387) CARMN TL.                                                       |

### 3.17. Townsville - Diversions when R737A active (R737BCD not active)

|                                                        |                                                                                     |
|--------------------------------------------------------|-------------------------------------------------------------------------------------|
| Southern Diversion                                     |                                                                                     |
| Departures<br>For W660 and Charters Towers (YCHT).     | Flight plan via ANRUB then to rejoin published track at next reporting point.       |
| Departures<br>For W469.                                | Flight plan via ANRUB EGOPI then to rejoin published track at next reporting point. |
| Arrivals<br>For W660, W469 and Charters Towers (YCHT). | Flight plan via BATIR VOMPA TL.                                                     |



|                                                               |                                                                               |
|---------------------------------------------------------------|-------------------------------------------------------------------------------|
| Northern Diversion                                            |                                                                               |
| Departures<br>For J138, J184, W637, W265, W528, W841 and Z51. | Flight plan via TARET then to rejoin published track at next reporting point. |
| Arrivals<br>For J138, J184, W637, W265, W528, W841 and Z51.   | Flight plan via TARET TL.                                                     |

### 3.18. Greenvale Training Area - R732

| These routes provide ADS-B and SSR equipped aircraft with the required separation from the lateral boundaries of R732. If R732 is active to a flight level that precludes overflight, planning via the following routes is required. |                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| ATS ROUTE AFFECTED                                                                                                                                                                                                                   | DIVERSION                |
| Z51                                                                                                                                                                                                                                  | W841 DOTTE KADMU Z51     |
| W528                                                                                                                                                                                                                                 | W528 KIPPA-THOMO W265    |
| J184                                                                                                                                                                                                                                 | J184 OKODU-THOMO W265    |
| W152                                                                                                                                                                                                                                 | W152 HUG-YKID-NONUM W152 |

### 3.19. Amberley IFR Departures

|                             |                                                               |
|-----------------------------|---------------------------------------------------------------|
| <b>NORTH</b>                |                                                               |
| Between 280 and 006 AMB TAC | via JEDDA                                                     |
| <b>EAST</b>                 |                                                               |
| Between 006 and 116 AMB TAC | via BN<br>ACFT landing/air working at YBCG may plan DCT GOMOL |
| <b>SOUTH</b>                |                                                               |
| Between 116 and 200 AMB TAC | via TATEN                                                     |
| <b>WEST</b>                 |                                                               |
| Between 200 and 280 AMB TAC | via BOBOP or via MESED LIKTO                                  |

### 3.20. Toowoomba

|           |                                |
|-----------|--------------------------------|
| To West   | via Q303 MESED Q484 (to LIKTO) |
| From West | via MATVI LUKEY                |

### 3.21. Brisbane West Wellcamp

|                                                                                                                                                                       |                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| To West/North                                                                                                                                                         | YBWW BIVAT Q303 MESED Q484 LIKTO |
| From West/North                                                                                                                                                       | UNVAT SHIKO MATVI LUKEY YBWW     |
| When R639 is active, departures and arrivals W and SW from YBWW and YTWB must plan via an alternate route or the above route not above 10,000FT, until clear of R639. |                                  |

3.22. Shoalwater Bay

| Tactical waypoints facilitate diversion around the Shoalwater Bay Restricted Area, particularly for flights arriving at Mackay, Proserpine and Hamilton Island from the South. These routes provide ADS-B and SSR equipped aircraft with the required separation from the lateral boundaries of R642B, R643, R681, R682, R683, R684B, R686, M678 and R692BC. If restricted areas are active to a flight level that precludes overflight, planning via the following routes is required. |                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| ATS Route Affected                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Diversion                        |
| Q67                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Q67 GLA RK TARES NOLUP OVRON Q67 |
| V308                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | V308 RK TARES WELKE V308         |
| Q67 transition to V308<br>(YBMK, YBPN and YBTL arrivals)                                                                                                                                                                                                                                                                                                                                                                                                                                | Q67 GLA RK TARES WELKE V308      |
| W889<br>(Not required at or below A045)                                                                                                                                                                                                                                                                                                                                                                                                                                                 | W889 RK TARES VANVA W889         |

4. SOUTH AUSTRALIA

|                       |                                                                                                               |
|-----------------------|---------------------------------------------------------------------------------------------------------------|
| T20 Adelaide - AGROS  | Not AVBL for ACFT departing from Adelaide, Parafield or Edinburgh.                                            |
| H309 MIA TUMAN KAKLU  | Not AVBL for jets landing Adelaide, Parafield or Edinburgh.<br>(Landing jets to FPL: MIA Q4 WOONA Q60 KAKLU). |
| A585 Ceduna - FRAZA   | Not AVBL for ACFT landing at Adelaide, Parafield or Edinburgh.<br>(ACFT to FPL: CDU V621 ATNAR N640 AD)       |
| W238 RUKNA - Adelaide | Not AVBL southbound.                                                                                          |
| J58 WHA - SPOTA       | Not to be flight planned southbound unless a condition in 4.2 for planning via SPOTA is met.                  |
| Y218 BENDO - TYNDI    | Not AVBL for ACFT arriving YMML                                                                               |
| W142 DOLVU - RUKNA    | Not AVBL unless departing YPED.                                                                               |
| V238 DOLVU - AREPA    | Not AVBL unless departing YPED.                                                                               |

4.1. Adelaide, Parafield and Edinburgh IFR Departures

IFR flights departing Parafield and Edinburgh must plan via AD to outbound points shown in the table below

|                        |                        |                                                                                                                                                  |
|------------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| To West and South West |                        | Via TEDUS (Non-jet only except landing YPLC)<br>Via GILES<br>Via EEMUE to (YKSC)                                                                 |
| To North West          |                        | Via HOLIT RUKNA (Non-jet only)<br>Via AREPA                                                                                                      |
| To North               | R265 areas: Not Active | Via ORBUN                                                                                                                                        |
|                        | R265 areas: Active RA1 | Via ORBUN<br>Pilots should expect that ATC may issue deviations with vectors or via:<br>- W238 to ACTIN<br>- AREPA J58 to WHA<br>- W426 to UNSOX |

|               |                        |                                                                                                                                                                                                                                                                                                                                                                          |
|---------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| cont.         | R265 areas: Active RA2 | Via ORBUN for the following destinations only:<br>- YBCS<br>- YBEE<br>- YBTL<br>- YLLE<br>- YOOM<br>Pilots should expect that ATC may issue deviations with vectors or via:<br>- W238 to ACTIN<br>- AREPA J58 to WHA<br>- W426 to UNSOX<br>All other traffic plan in accordance with 'North West' and 'North East' DEP requirements. Traffic may plan via W426 to UNSOX. |
| To North East |                        | Via UPROT<br>Via W426 (to BHI)                                                                                                                                                                                                                                                                                                                                           |
| To East       |                        | Via BENDO or AVDEN                                                                                                                                                                                                                                                                                                                                                       |
| To South East |                        | Via ALBUT (Non-jet only except landing YMTG)                                                                                                                                                                                                                                                                                                                             |

#### 4.2. Adelaide, Parafield and Edinburgh IFR Arrivals

IFR flights arriving Parafield and Edinburgh must plan via Adelaide after passing inbound points shown in the table below.

|                          |                                                    |                                                                                                                                                                                                                                                                        |
|--------------------------|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| From West and South West |                                                    | Via ATNAR<br>Via V175 (from YKSC)                                                                                                                                                                                                                                      |
| From North West          | Via MARGO<br><br>(unless a SPOTA condition is met) | Via SPOTA (on J58) - AGROS - AD if any of the following conditions are met:<br>R292C or D or F active ABV A045,<br>or<br>R292E active ABV A085, or Aircraft in Class G airspace which will conflict (vertically or laterally) with any active R292 areas.              |
|                          |                                                    | <i>Note: For flights in CTA transiting abeam R292 areas, MARGO - AD provides required ATC lateral separation in respect to R292A-B<br/>         Flights planning via SPOTA can expect a STAR clearance to provide required ATC lateral separation with R292 areas.</i> |
| From North               | R265 areas: Not Active                             | Via KLAVAL                                                                                                                                                                                                                                                             |
|                          | R265 areas: Active RA1                             | Via KLAVAL<br>Pilots should expect that ATC may issue deviations with vectors or via:<br>- ACTIN V432<br>- ASILI H84<br>- DOTBO W325                                                                                                                                   |

|                                                                                                                                                                 |                                     |                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                 | R265 areas: Active RA2              | Via KLAVA for arrivals from the following destinations only:<br>- YBCS<br>- YBEE<br>- YLLE<br>- YOOM<br>Pilots should expect that ATC may issue deviations with vectors or via:<br>- ACTIN V432<br>- ASILI H84<br>- DOTBO W325<br>Other traffic plan in accordance with 'From North West' and 'From North East and East' ARR requirements.<br>Traffic may plan via DOTBO W325 |
| From North and East                                                                                                                                             | Via W325<br>Via KAKLU               |                                                                                                                                                                                                                                                                                                                                                                               |
| From South East                                                                                                                                                 | Via H345<br>Via V259 (Non-jet only) |                                                                                                                                                                                                                                                                                                                                                                               |
| <i>Note: Aircraft may plan the following exceptions</i><br>- AGROS DCT AD, not above A050, or at any level if departing from an aerodrome within 10NM of AGROS. |                                     |                                                                                                                                                                                                                                                                                                                                                                               |

4.3. Woomera Airspace Diversion Matrix

ATS routes Z90, Z91, Z92, Z93 and tactical waypoints facilitate diversion around Woomera Restricted Areas, in particular Adelaide - Coober Pedy/Olympic Dam - Adelaide flights. These ATS routes and waypoints provide RNP2 and ADS-B equipped aircraft with the required separation from the lateral boundaries of the most commonly activated Woomera Restricted Areas. The following table outlines the ATS Route or waypoints to be used in various Restricted Area activation scenarios.

Eastern Route Options via **WHA, AVPAS, SAMIN or PARDA**

| Active Areas  | to/from CBP     | to/from YOLD     | to/from GOMUL     |
|---------------|-----------------|------------------|-------------------|
| R222A-H       | OMKEK ELGON CBP | OMKEK YOLD       | OMKEK GOMUL       |
| R246C         | GAANY CALAR CBP | OMKEK YOLD       | GAANY CALAR GOMUL |
| R246A-C       | GAANY Z92 CBP   | OMKEK YOLD       | GAANY CALAR GOMUL |
| R273          | HAZOS CARTS CBP | HAZOS OMKEK YOLD | HAZOS GOMUL       |
| R273, R246C   | HAZOS CALAR CBP | HAZOS OMKEK YOLD | HAZOS GOMUL       |
| R273, R246A-C | HAZOS Z92 CBP   | HAZOS OMKEK YOLD | HAZOS GOMUL       |

Western Route Options via **RUTMO or TEGAL**

| Active Areas   | to/from CBP                 |
|----------------|-----------------------------|
| R222A-F        | TEGEX CBP                   |
| R222A-F, R246B | TEGEX UPNOR HIINE CBP       |
| R222A-G        | TEGEX ERINA CBP             |
| R222A-G, R246B | TEGEX ERINA UPNOR HIINE CBP |
| R222A-H, R246B | TEGEX RENEL UPNOR HIINE CBP |

#### 4.4. Cultana Airspace Diversion Matrix

Tactical waypoints facilitate diversion around the Cultana Restricted Areas, particularly for flights to or from Whyalla, Port Augusta and Olympic Dam.

These routes provide RNP2 capable and ADS-B equipped aircraft with the required separation from the lateral boundaries of the Restricted Area.

| Active Areas | Scenario                                | Route Option                                                             |
|--------------|-----------------------------------------|--------------------------------------------------------------------------|
| R259B        | via ACTIN to YPAG or destination north  | NODOL ELMEP SAMIN                                                        |
| R260B        | of YPAG                                 |                                                                          |
| R302B        | via ELRIM from YPAG or departure        | SAMIN ELMEP NODOL                                                        |
| R303B        | points north of YPAG                    |                                                                          |
| R304B        | YOLD to YPAD                            | PARDA H135 AD                                                            |
|              | Between YPAG and YWHA (both directions) | SAMIN ELMEP NODOL LATAP                                                  |
|              | via WR to YPAD                          | WR PARDA H135                                                            |
|              | YPAD departures via J251                | AREPA TANOV WR or if R259B and R260B and R304B not active AREPA SUMUP WR |

#### 5. TASMANIA

##### 5.1. Hobart INTL - IFR Departures

|                                                                                   |                      |
|-----------------------------------------------------------------------------------|----------------------|
| All:                                                                              | Via TASUM H111 LT    |
| Optional for aircraft departing to west and northwest of HB (i.e. YPAD/YPED/YPPH) | Via TASUM T234 RIBLI |

##### 5.2. Hobart INTL - IFR Arrivals

|            |           |
|------------|-----------|
| From East: | Via IPLET |
| From West: | Via MORGO |

#### 6. VICTORIA

##### 6.1. Melbourne INTL - IFR Departures

|                                                           |                                                                                                                                    |
|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| To North or NE:                                           | Via H129 DOSEL (Jet ACFT)<br>Via H129 DOSEL W569 BOGES (Non-jet ACFT)<br>Via H50 MNG<br>Via H66 NONIX                              |
| To West or NW:                                            | Via H164 KEPPA (Jet ACFT)<br>Via V376 DOTPA (Non-jet ACFT)<br>Via V126 ESDIG<br>Via Q158 CRENA<br>Via H345 NEVIS<br>Via V223 OMKON |
| To South:                                                 | Via H169 SUNTI<br>Via W405 KII<br>Via W15 AV                                                                                       |
| To East:                                                  | Via Y260 CORRS (See Note)*<br>Via W687 WAREN W449 BULKO                                                                            |
| *Note: Outbound via N759 (BADGR) or P753 (MILLA) NOT AVBL |                                                                                                                                    |

## 6.2. Essendon - IFR Departures

|                                                            |                                                                                                                                                      |
|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| To North or NE:                                            | Via ML H129 DOSEL (Jet ACFT)<br>Via ML H129 DOSEL W569 BOGES (Non-jet ACFT)<br>Via ML H50 MNG<br>Via ML H66 NONIX                                    |
| To West or NW:                                             | Via ML H164 KEPPA (Jet ACFT)<br>Via ML V376 DOTPA (Non-jet ACFT)<br>Via V126<br>Via V126 ESDIG<br>Via Q158 CRENA<br>Via H345 NEVIS<br>Via V223 OMKON |
| To South:                                                  | Via H169 SUNTI<br>Via W405 KII<br>Via W291 SAMIG<br>Via W422 TEMPL W15 AV<br>Via W382 MB W562 ONAGI (Not ABV A075)                                   |
| To East:                                                   | Via ESDAN DCT CORRS (See Note) *<br>Via W687 WAREN BULKO                                                                                             |
| * Note: Outbound via N759 (BADGR) or P753 (MILLA) NOT AVBL |                                                                                                                                                      |

## 6.3. Moorabbin - IFR Departures

|                 |                                                                                                                                                                                                                         |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| To North or NE: | Via W661 H129 ML DOSEL (Jet ACFT)<br>Via W661 ML H129 DOSEL W569 BOGES (Non-jet ACFT)<br>Via W661 ML H50 MNG<br>Via W661 ML H66 NONIX<br>Via W188 TEMIS (Not ABV A090)                                                  |
| To West or NW:  | Via W661 ML H164 KEPPA (Jet ACFT)<br>Via W661 ML V376 DOTPA (Non-jet ACFT)<br>Via W661 ML H345 NEVIS<br>Via W661 ML V223 OMKON<br>Via W635 AV (single engine ACFT may plan W661 ML<br>Via V126 ESDIG)<br>Via W449 SAMIG |
| To South:       | Via W468 SUNTI<br>Via W538 or W673 (to KII)<br>Via W562 ONAGI (Not ABV A075)                                                                                                                                            |
| To East:        | Via W449 WAREN BULKO                                                                                                                                                                                                    |

## 6.4. Melbourne INTL- IFR Arrivals

|                   |                                                                                                                                                                         |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| From Northeast:   | Via LUVAS Q29 (Jet ACFT)<br>Via TEMIS V169 (Non-jet ACFT)                                                                                                               |
| From North or NW: | Via ARBEY<br>Via MNG W477 BELTA H119 (Not ABV A080) If OPN RQ for ABV A080, contact ATC on 03 9235 7337 for approval)<br>YMIA departures: Via MIA H102 NATYA H119 ARBEY |
| From West:        | Via ARBEY<br>Via WENDY                                                                                                                                                  |
| From South:       | Via MENOG W405<br>Via AV W190<br>Via ONAGI H215 WAREN                                                                                                                   |

|            |                                                                                             |
|------------|---------------------------------------------------------------------------------------------|
| From East: | Via GEMAC Q302 LIZZI<br>Via MILLA P753 WAREN<br>Via MOZZA DCT WAREN<br>Via DUNNE V650 BADGR |
|------------|---------------------------------------------------------------------------------------------|

## 6.5. Essendon - IFR Arrivals

|                   |                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| From Northeast:   | Via LUVAS Q205 COLDS V512 ESDAN (Jet ACFT)<br>Via TEMIS W188 COLDS V512 ESDAN (Non-jet ACFT)                                                                                                                                                                                                                                                                                      |
| From North or NW: | Via ARBEY H119 ML DCT ESDAN<br>Via SHT V222 LACEY W188 COLDS V512 ESDAN<br>Via MNG W481 LACEY W188 COLDS V512 ESDAN<br>Via MNG W477 BELTA H119 ML DCT ESDAN - Prior<br>ATC approval required<br>Via MNG MONTY at A050 or LSALT A041 - AVBL for<br>OPN RQ due low freezing LVL with prior ATC approval 03<br>9235 7337<br>YMIA departures: Via MIA H102 NATYA H119 ML DCT<br>ESDAN |
| From West:        | Via ARBEY H119 ML DCT ESDAN (high level RNAV or<br>RNP)<br>Via WENDY W382 ESDAN                                                                                                                                                                                                                                                                                                   |
| From South:       | Via MENOG DCT ESDAN<br>Via AV W15 TEMPL W422 ESDAN<br>Via ONAGI H215 WAREN W495 MONTY V512 ESDAN                                                                                                                                                                                                                                                                                  |
| From East:        | Via ANGEX N759 ML ESDAN<br>Via MILLA P753 WAREN W495 MONTY V512 ESDAN<br>Via MOZZA V588 MONTY V512 ESDAN<br>Via DUNNE V434 MONTY V512 ESDAN                                                                                                                                                                                                                                       |

## 6.6. Moorabbin - IFR Arrivals

|                   |                                                                                                                                                                                                                                                                              |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| From Northeast:   | Via LUVAS Q205 COLDS W188 MB (Jet ACFT)<br>Via TEMIS W188 MB (Non-jet ACFT)                                                                                                                                                                                                  |
| From North or NW: | Via ARBEY H119 ML W661 MB<br>Via SHT V222 LACEY W188 MB<br>Via MNG W481 LACEY W188 MB<br>Via MNG W477 BELTA H119 ML W661 MB - prior approval required<br>Via MNG DCT MONTY at A050 or LSALT A041 - AVBL for OPN RQ due low freezing LVL with prior ATC approval 03 9235 7337 |
| From West:        | Via ARBEY H119 ML W661 MB (High level RNAV or RNP)<br>Via AV W635 MB (single engine ACFT may plan via WENDY W382 MB)                                                                                                                                                         |
| From South:       | Via TAITE W538 MB or via ALPAL W673 MB<br>Via ONAGI H215 WAREN W449 MB<br>Via ONAGI W562 MB (Not ABV A075)                                                                                                                                                                   |
| From East:        | Via BULKO W449 MB<br>Via DUNNE V434 MONTY W188 MB<br>Via MOZZA V588 HARRO W188 MB                                                                                                                                                                                            |

## 6.7. Melbourne CTR - Overflying IFR and VFR Flights

Due to separation requirements with Melbourne INTL jet traffic, the minimum ALT for ACFT planning to overfly the Melbourne CTR is 6,000FT (except for OPS to and from Melbourne or Essendon airports).

IFR ACFT with OPN RQ for a lower altitude due to low freezing level must contact the ML Traffic Manager (03) 9235 7337 to make suitable arrangements.

## 6.8. Alternative Routes

Any variation to the above flight planning requirements requires prior approval from the ML Traffic Manager (03) 9235 7337.

## 7. WESTERN AUSTRALIA

### 7.1. Perth, Jandakot or Pearce IFR Departures

| DIRECTION            | RESTRICTIONS                                                                                                                                        | PLAN VIA ROUTE                                                           |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| WEST                 | FL160 and ABV                                                                                                                                       | via T12 to OPEGA<br>(Remains AVBL when M181, M171AB and M166 are active) |
| WEST (230 - 279 PH)  | 4000FT and BLW                                                                                                                                      | Plan DCT routes                                                          |
| NORTH (Jet only)     | 1. AVBL only FL160 and ABV.<br>2. MNM GRAD 6% apply for airspace requirements (Ref: AIP DAP - AVNEX SID). ACFT unable to comply plan via AMANA.     | via AVNEX                                                                |
|                      | When Pearce RA is active, aircraft departing Jandakot and tracking via AVNEX plan AVPES - VENUP - AVNEX.                                            |                                                                          |
| NORTH (Non-jet only) | 1. AVBL only FL160 and ABV.<br>2. MNM GRAD ABV 5% apply for airspace requirements (Ref: AIP DAO - OTLED SID). ACFT unable to comply plan via REPOK. | via OTLED                                                                |
|                      | When Pearce RA is active, aircraft departing Jandakot and tracking via OTLED plan OSADA – IRNOD- LEVKA – OTLED.                                     |                                                                          |



|                                                                                                                                                                  |                                                                                                                                                                                                                 |                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 280-049 PH                                                                                                                                                       | BLW A090                                                                                                                                                                                                        | Plan via OVLUK                                                                       |
|                                                                                                                                                                  | An alternate route OTKUN - BUVEL is AVBL for unpressurised ACFT at 5,000FT and BLW (levels up to 10,000FT may be AVBL on request). Special conditions apply when R156/R163/M166/M171A active. See Pearce entry. |                                                                                      |
| 050-229 PH                                                                                                                                                       | BLW A090                                                                                                                                                                                                        | Plan via suitable NAVAID or DCT                                                      |
| NORTH/EAST                                                                                                                                                       | Jet only A090 and ABV                                                                                                                                                                                           | via AMANA Y31 MANIG or<br>via AMANA Y31 LAKIR Y69<br>BOSLI                           |
| NORTH/EAST                                                                                                                                                       | Non-jet only A090 and ABV                                                                                                                                                                                       | via REPOK Z87 AVGIK Z23<br>KATCM or<br>via REPOK Z87 VILOD or<br>via REPOK Z19 NINEK |
| SOUTH EAST                                                                                                                                                       | Jet only A090 and ABV                                                                                                                                                                                           | via HIDOT                                                                            |
| SOUTH EAST                                                                                                                                                       | Non-jet only A090 and ABV                                                                                                                                                                                       | via MEVAD thence PUMRY                                                               |
| ALBANY                                                                                                                                                           | A090 and ABV                                                                                                                                                                                                    | via SOLUS                                                                            |
| SOUTH                                                                                                                                                            | A090 and ABV                                                                                                                                                                                                    | via OLMAM                                                                            |
| All visiting aircraft departing Pearce are to FLT PLN via Perth, thence the suggested route. On CLR issue, tracking may change depending on RWY in use at Perth. |                                                                                                                                                                                                                 |                                                                                      |

## 7.2. Perth, Jandakot or Pearce IFR Arrivals

| DIRECTION            | RESTRICTIONS                                                                                                                                                                                                    | PLAN VIA ROUTE                                                                  |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| WEST                 | FL160 and ABV                                                                                                                                                                                                   | via OPEGA T12 PH DCT<br>(Remains AVBL when M181, M171AB<br>and M166 are active) |
| WEST(230 - 279 PH)   | 4000FT and BLW                                                                                                                                                                                                  | Plan DCT routes                                                                 |
| NORTH                | Jet only                                                                                                                                                                                                        | Via JULIM                                                                       |
| NORTH WEST           | FL160 and ABV. Non-jet only                                                                                                                                                                                     | via SAPKO                                                                       |
| NORTH WEST           | BLW A090                                                                                                                                                                                                        | Plan via OVLUK                                                                  |
|                      | An alternate route BUVEL - OTKUN is AVBL for unpressurised ACFT at 5,000FT and BLW (levels up to 10,000FT may be AVBL on request). Special conditions apply when R156/R163/M166/M171A active. See Pearce entry. |                                                                                 |
| NORTH                | Non-jet only A090 and ABV                                                                                                                                                                                       | via OVLUK V16 SAPKO                                                             |
| 050-229 PH           | BLW A090                                                                                                                                                                                                        | Plan via suitable NAVAID or DCT                                                 |
| EAST                 | Non-jet only A090 and ABV                                                                                                                                                                                       | via KELLA Z38 LAVEX or<br>via MALUP Z52 LAVEX                                   |
| EAST & SOUTH<br>EAST | Jet only A090 and ABV                                                                                                                                                                                           | via MALUP KABLI                                                                 |
| ALBANY               | A090 and ABV                                                                                                                                                                                                    | Via SOLUS                                                                       |
| SOUTH                | A090 and ABV                                                                                                                                                                                                    | Via OLMAM                                                                       |

## 7.3. IFR TRAINING FLIGHTS

IFR training flights inbound to Perth to conduct aerial work from the Northeast through east to Southeast shall plan via either VILIN - PH or VEMON - PH at or BLW 8,000FT.

7.4. Perth - East Coast - Perth

| For ACFT operating in the Great Australian Bight area, only ACFT that are RNAV or RNP capable may flight plan on the following one-way routes between waypoints listed:                                                                                                        |           |          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------|
| ATS ROUTE                                                                                                                                                                                                                                                                      | ENTRY WPT | EXIT WPT |
| Q32                                                                                                                                                                                                                                                                            | KAMBI     | NODEV    |
| Y135                                                                                                                                                                                                                                                                           | BURGU     | AD VOR   |
| Q33                                                                                                                                                                                                                                                                            | LONLY     | ESP VOR  |
| Q158                                                                                                                                                                                                                                                                           | ML VOR    | ESP VOR  |
| Y53                                                                                                                                                                                                                                                                            | BURGU     | MTG VOR  |
| ACFT flight planning on these routes without correctly indicating their relevant navigation specification, will be recleared by ATC on a more suitable route.*The following navigation specifications are acceptable: RNP2; RNP4; RNAV5 with GNSS or IRS/INS; RNAV10 or RNP10. |           |          |

7.5. R131 Diversion Routes

ATS route W159 and tactical waypoints facilitate diversion around R131ABCDEFGH, in particular for flights arriving/departing Geraldton from/to the east. These ATS routes and waypoints provide RNP2, RNP4, RNAV10/RNP 10 and ADS-B equipped aircraft with the required separation from the lateral boundaries of R131ABCDEFGH. The following tables outline the ATS route or waypoints to be used.

| For ACFT equipped with RNP 2 and/or ADS-B                                                                | FL250 and Below                                                                     | Above FL250                                |
|----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------|
| From YGGE to YGEL<br>From other aerodromes to YGEL<br>From YGEL to YGGE<br>From YGEL to other aerodromes | ENVOS W159 GEL DCT<br>PAGTA W159 GEL DCT<br>DCT GEL W159 YGGE<br>DCT GEL W159 PAGTA | DCT SHYNN GEL DCT<br><br>DCT GEL SHYNN DCT |
| For ACFT equipped with RNP 4 or RNAV 10/RNP10                                                            | FL 250 and below                                                                    |                                            |
| From YGGE and other aerodromes to YGEL<br>From YGEL to YGGE and other aerodromes                         | DCT SHYNN GEL DCT<br><br>DCT GEL SHYNN DCT                                          |                                            |

8. FLIGHT PLANNING - SYDNEY - NEW ZEALAND

| DEP AD | DEST | IFR Route Details                                      |
|--------|------|--------------------------------------------------------|
| YSSY   | NZAA | via EVONN L521 LEGAN then NZZO Requirements            |
| YSSY   | NZCH | via CAWLY M636 PLUGA N750 SULON then NZZO Requirements |
| YSSY   | NZDN | via OPTIC Y84 TONIM P766 OMKIN then NZZO Requirements  |
| YSSY   | NZHN | via EVONN L521 LEGAN then NZZO Requirements            |
| YSSY   | NZPM | via CAWLY M636 SASRO then NZZO Requirements            |
| YSSY   | NZQN | via OPTIC Y84 TONIM P766 OMKIN then NZZO Requirements  |
| YSSY   | NZWN | via CAWLY M636 SASRO then NZZO Requirements            |

## 9. FLIGHT PLANNING OPTIONS

This list does not provide every possible flight plan route option AVBL. The listed options can only be used in accordance with the Flight Plan Requirements as specified in paragraphs 1 - 7 of this section.

# indicates alternate routing AVBL

% indicates route for jet ACFT only (Queensland and Western Australia only)

> indicates alternate route for Non-jet ACFT

@ indicates Jet only routes for military planning

NAIPS Stored Routes are identified by either L(number), H(number) or I(number). Refer to the Preflight Information and Flight Planning Manual, available online:

[www.airservicesaustralia.com/aip/aip.asp](http://www.airservicesaustralia.com/aip/aip.asp) or

[www.airservicesaustralia.com/industry-info/flight-briefing](http://www.airservicesaustralia.com/industry-info/flight-briefing).

The IFR route details provide the appropriate detail for inclusion in Field 15 of the ATS flight notification.

|      |       |   |    |                                                              |
|------|-------|---|----|--------------------------------------------------------------|
| WPDL | YPDN  |   |    | DCT DIL BACAU Z12 ELBIS M768 DN DCT (ABOVE F240)             |
| WPDL | YPDN  |   |    | DCT DIL PATBO Z10 ANUPA M768 DN DCT (AT OR BLW F240)         |
| YABA | YPJT  |   |    | DCT ABA W185 PAVSO V415 SOLUS W172 PH W114 JT DCT            |
| YABA | YPPH  |   |    | DCT ABA W185 PAVSO V415 SOLUS W172 PH DCT                    |
| YARG | YPPH  |   |    | DCT ARG T63 BIDAP Q25 DALWU Q38 PH DCT                       |
|      |       |   |    | DCT ARG T28 NISAD T27 VALRA W121 NWN Q38 PH DCT              |
| YANG | YPPH  | % | H1 | DCT ATPAR ALDEL AVMAS Q31 AVPAL Q38 PH DCT                   |
| YAYE | YBCS  |   |    | DCT AYE W408 AS J64 CS DCT                                   |
| YAYE | YBMA  |   |    | DCT AYE W408 AS J64 MA DCT                                   |
| YAYE | YPPH  |   |    | DCT AYE Q41 MALUP Q158 PH DCT                                |
| YBAF | YGLA  |   | L1 | DCT BN V308 SAGLI AVLAN KETEN W231 GLA DCT                   |
| YBAF | YGLA  |   | L2 | DCT BN V308 SAGLI W231 GLA DCT                               |
| YBAR | YBBN  |   |    | DCT MOVBA Y684 SUSGI V307 BN DCT                             |
| YBAS | YBBN  | % |    | DCT AS T11 ROM Y166 IDLEG V327 IGUPI Y340 LAMUG Y177 BN DCT  |
|      |       | > |    | DCT AS T11 ROM Y79 BN DCT                                    |
| YBAS | YMMML |   |    | DCT AS A461 LEC H119 ML DCT                                  |
| YBAS | YPAD  |   |    | DCT AS J251 WHA H84 AD DCT                                   |
| YBAS | YPPH  |   |    | DCT AS W408 AYE Q41 MALUP Q158 PH DCT                        |
|      |       |   |    | DCT AS V656 ANGAS DCT SAROK Q41 MALUP Q158 PH DCT            |
| YBAS | YSSY  |   |    | DCT AS A576 APOMA Y52 VELGI Y105 TARAL Y59 TESAT DCT         |
|      |       |   |    | DCT AS A576 APOMA Y52 VELGI Y105 TARAL Y59 RIVET DCT         |
| YBBN | WADD  | % |    | DCT BN V250 UNVAT TAVEV G326 ONOXA G326 WADD DCT             |
| YBBN | YAYE  | % |    | DCT BN V250 UNVAT DOVUB T11 PULOL Q36 ANGAS V656 AYE DCT     |
|      |       | > |    | DCT BN Q484 MESED LIKTO ROM T11 PULOL Q36 ANGAS V656 AYE DCT |
| YBBN | YBAS  | % |    | DCT BN V250 UNVAT DOVUB T11 AS DCT                           |
|      |       | > |    | DCT BN Q484 MESED LIKTO ROM T11 AS DCT                       |

|      |      |   |    |                                                                                                                                              |
|------|------|---|----|----------------------------------------------------------------------------------------------------------------------------------------------|
| YBBN | YBCS | % |    | DCT BN Q67 CS DCT                                                                                                                            |
|      |      | > |    | DCT BN V308 CS DCT                                                                                                                           |
|      |      | > |    | DCT BN V308 SAGLI W231 GLA Q67 CS DCT                                                                                                        |
| YBBN | YBHM | % |    | DCT BN Q67 OVRON DCT                                                                                                                         |
|      |      | > |    | DCT BN V308 MK B462 OVRON DCT                                                                                                                |
| YBBN | YBMA | % |    | DCT BN V250 UNVAT J89 MA DCT                                                                                                                 |
| YBBN | YBMK | % |    | DCT BN Q67 RUNLA Q493 EMSUP V308 MK DCT                                                                                                      |
|      |      | > |    | DCT BN V308 MK DCT                                                                                                                           |
| YBBN | YBRK | % |    | DCT BN Q67 LOAFA Q64 OLDIB V308 RK DCT                                                                                                       |
|      |      | > |    | DCT BN V308 RK DCT                                                                                                                           |
| YBBN | YBTL | % |    | DCT BN Q67 RUNLA Q493 EMSUP V308 TL DCT                                                                                                      |
|      |      | # |    | DCT BN V308 TL DCT                                                                                                                           |
| YBBN | YBWW | > | L1 | DCT BN Q484 RUDEY BIVAT DCT                                                                                                                  |
| YBBN | YBWW | % | H1 | DCT BN V250 IBUNA BIVAT DCT                                                                                                                  |
| YBBN | YCFS |   |    | DCT BN H91 HUUGO W760 IDNER W214 CFS DCT                                                                                                     |
| YBBN | YEML | > |    | DCT BN Q484 MESED LIKTO UNVAT EML DCT                                                                                                        |
|      |      | % |    | DCT BN V250 IBUNA Q473 IGUPI V129 EML DCT                                                                                                    |
| YBBN | YGLA | % |    | DCT BN Q67 GLA DCT                                                                                                                           |
|      |      | > |    | DCT BN V308 SAGLI W231 GLA DCT                                                                                                               |
| YBBN | YHBA | % |    | DCT BN Q67 GUDSO Q24 TERUV HAAVI DCT                                                                                                         |
|      |      | > |    | DCT BN V308 SAGLI Z98 HAAVI DCT                                                                                                              |
| YBBN | YMAV |   |    | DCT BN H91 SANEG Q35 CANTY H119 ML W15 AV DCT                                                                                                |
| YBBN | YMEN |   |    | DCT BN H91 ADMAR Q78 OLTIN W786 TESAT WOL H65 LEECE Q29 LUVAS Q205 COLDS V512 ESDAN DCT                                                      |
| YBBN | YMHB |   | H1 | DCT BN H91 ADMAR Q78 OLTIN W786 TESAT H65 WOL H20 MOTRA W407 TASUM DCT                                                                       |
| YBBN | YMLT |   | H1 | DCT BN H91 ADMAR Q78 OLTIN W786 TESAT H65 WOL H20 OTKED J22 LT DCT                                                                           |
| YBBN | YMML |   |    | DCT BN H91 SANEG Q35 CANTY H119 ML DCT                                                                                                       |
| YBBN | YMRB | > |    | DCT V308 SAGLI W231 GLA W636 RK W518 NIPOM DCT                                                                                               |
|      |      | # |    | DCT Q484 LIKTO Q421 UNVAT W270 EML W613 NIPOM DCT                                                                                            |
| YBBN | YPAD |   |    | DCT BN H91 SANEG Q4 PAVBI Q16 MIA Q4 WOONA Q60 KAKLU H309 AD DCT<br>If R570C or D active:<br>DCT BN H91 SANEG Q4 WOONA Q60 KAKLU H309 AD DCT |
| YBBN | YPDN |   |    | DCT BN V250 IBUNA Q473 IGUPI V129 EML T13 NTN J138 SURVO Q95 BEBEN Q91 ALLEE Q23 DN DCT                                                      |
| YBBN | YPPH |   | H1 | DCT BN H91 SANEG Q4 IDBUG Q42 ANROM T33 LEC J141 KG Q41 MALUP Q158 PH DCT                                                                    |
| YBBN | YROM | > |    | DCT BN Q484 MESED LIKTO ROM DCT                                                                                                              |
| YBBN | YSCB |   | H1 | DCT BN H91 SANEG Q35 PKS W703 CWR W137 CB DCT                                                                                                |
|      |      | % | H2 | DCT BN H91 ADMAR Q78 OLTIN W786 TESAT H65 CB DCT                                                                                             |
|      |      | > |    | DCT BN H91 ADMAR Q78 OLTIN W786 TESAT V169 CB DCT                                                                                            |
| YBBN | YSSY | % |    | DCT BN H91 IGDAM H652 TESAT DCT                                                                                                              |
|      |      | > |    | DCT BN H91 SANAD W786 TESAT DCT                                                                                                              |

|      |      |   |    |                                                                                                                                 |
|------|------|---|----|---------------------------------------------------------------------------------------------------------------------------------|
| YBBN | YTNG | % |    | DCT BN Q67 RUROX DCT                                                                                                            |
|      |      | > |    | DCT BN V308 SAGLI W228 SUSGI W727 RUROX DCT                                                                                     |
| YBBN | YWLM | % | H1 | DCT BN H91 SANAD V779 LAXUM WLM DCT                                                                                             |
| YBBN | YWLM | > |    | DCT BN H91 HUUGO W760 IDNER LOSKU SORTI V672 LAXUM WLM DCT                                                                      |
| YBBN | YWLM |   | L1 | DCT BN H91 SANAD V779 WLM DCT                                                                                                   |
| YBCG | YBBN |   |    | DCT GOMOL H252 BN DCT                                                                                                           |
| YBCG | YBSU | % |    | DCT GOMOL Q69 SU DCT                                                                                                            |
| YBCG | YMEN |   |    | DCT GOMOL Q16 APAGI H91 ADMAR Q78 OLTIN W786 TESAT WOL H65 LEECE Q29 LUVAS Q205 COLDS V512 ESDAN DCT                            |
| YBCG | YMHB |   | H1 | DCT GOMOL Q16 APAGI H91 ADMAR Q78 OLTIN W786 TESAT H65 WOL H20 MOTRA W407 TASUM DCT                                             |
| YBCG | YMLT |   | H1 | DCT GOMOL Q16 APAGI H91 ADMAR Q78 OLTIN W786 TESAT H65 WOL H20 OTKED J22 LT DCT                                                 |
| YBCG | YMML |   |    | DCT GOMOL Q16 ISKIM Q35 CANTY H119 ML DCT                                                                                       |
| YBCG | YPAD |   |    | DCT GOMOL Q16 MIA Q4 WOONA Q60 KAKLU H309 AD DCT<br>If R570C or D active:<br>DCT GOMOL Q16 PAVBI Q4 WOONA Q60 KAKLU H309 AD DCT |
| YBCG | YSCB | % |    | DCT GOMOL Q16 APAGI H91 ADMAR Q78 OLTIN W786 TESAT H65 CB DCT                                                                   |
| YBCG | YSSY | % |    | DCT GOMOL Q16 APAGI H91 IGDAM H652 TESAT DCT                                                                                    |
|      |      |   |    | DCT GOMOL Q16 APAGI H91 IGDAM H652 BOREE DCT                                                                                    |
| YBCG | YWLM | > |    | DCT GOMOL W214 IDNER H98 SANAD V779 LAXUM WLM DCT                                                                               |
|      |      | % |    | DCT GOMOL Q16 APAGI H91 SANAD V779 LAXUM WLM DCT                                                                                |
| YBCK | YBBN |   |    | DCT BELUL Y408 PONAN Y684 SUSGI V307 BN DCT                                                                                     |
| YBCS | YAYE |   |    | DCT CS J64 AS V656 AYE DCT                                                                                                      |
| YBCS | YBBN | % |    | DCT CS Y177 BN DCT                                                                                                              |
|      |      | > |    | DCT CS V264 IGIKI V153 TL W258 LINSU W228 SUSGI V307 BN DCT                                                                     |
| YBCS | YBCG |   |    | DCT CS Y177 GOMOL DCT                                                                                                           |
| YBCS | YBHM |   |    | DCT CS Y177 AKROM Z17 OVRON DCT                                                                                                 |
| YBCS | YBMA |   |    | DCT CS J64 MA DCT                                                                                                               |
| YBCS | YBSG |   |    | DCT CS W309 COE DCT                                                                                                             |
| YBCS | YBTL |   |    | DCT CS V264 IGIKI V153 TL DCT                                                                                                   |
| YBCS | YGTE |   |    | DCT CS J61 GUGUK J27 GTE DCT                                                                                                    |
| YBCS | YLHR |   |    | DCT CS W567 LHR DCT                                                                                                             |
| YBCS | YMBA |   |    | DCT CS J64 NONUM DCT                                                                                                            |
| YBCS | YMML |   |    | DCT CS Y177 AKROM R346 TL Q30 MATAR Y33 BORLI Q346 POLSO Q35 CANTY H119 ML DCT                                                  |
| YBCS | YPAD |   | H1 | DCT CS J64 ONARA SARIK NONET OOM J37 ATLIB H630 NIMEK H135 AD DCT                                                               |

|      |      |   |    |                                                                                           |
|------|------|---|----|-------------------------------------------------------------------------------------------|
| YBCS | YPDN |   |    | DCT CS J61 DUMAV Q91 ALLEE Q23 DN DCT                                                     |
|      |      | > |    | DCT CS W281 VEVAV W473 DUMPA KARRA GATOR DN DCT                                           |
| YBCS | YPGV | # |    | DCT CS J151 GV DCT                                                                        |
|      |      | # |    | DCT CS J61 GUGUK B472 GV DCT                                                              |
| YBCS | YSSY |   |    | DCT CS Y177 AKROM Y153 ROKUU H652 TESAT DCT                                               |
|      |      |   |    | DCT CS Y177 AKROM Y153 ROKUU H652 BOREE DCT                                               |
| YBCV | YTWB | # |    | DCT CV W356 OK W831 BIVAT DCT                                                             |
| YBGD | YPPH |   |    | DCT IGASO L514 AVPAL Q38 JULIM PH DCT                                                     |
| YBHM | YBBN | % |    | DCT OVRON B462 MK V153 MUNAR Y61 RUROX Y177 BN DCT                                        |
|      |      | > |    | DCT OVRON B462 MK V153 LERKI W258 COBES W228 SUSGI V307 BN DCT                            |
| YBHM | YBCS |   |    | DCT OVRON Q67 CS DCT                                                                      |
| YBHM | YBSU | % |    | DCT OVRON B462 MK V153 MUNAR Y61 RUROX W727 SUSGI W534 SU DCT                             |
|      |      | > |    | DCT OVRON B462 MK V153 LERKI W258 COBES W228 SUSGI W534 SU DCT                            |
| YBHM | YMML |   |    | DCT OVRON B462 MK W472 EML DCT MIMIB Y33 BORLI Q346 POLSO Q35 CANTY H119 ML DCT           |
| YBHM | YSSY |   |    | DCT OVRON B462 MK H652 TESAT DCT                                                          |
|      |      |   |    | DCT OVRON B462 MK H652 BOREE DCT                                                          |
| YBMA | YBBN | % |    | DCT MA J89 UNVAT V327 IGUPI Y340 LAMUG Y177 BN DCT                                        |
|      |      | > |    | DCT MA J89 PUDUR Y408 PONAN Y684 SUSGI V307 BN DCT                                        |
| YBMA | YBCS |   |    | DCT MA J64 CS DCT                                                                         |
| YBMA | YPDN |   |    | DCT MA DCT NITUN Q57 MIGAX A464 TN Q23 DN DCT                                             |
| YBMA | YMTI |   | L1 | DCT MA W349 VESOP DCT                                                                     |
| YBMA | YMTI |   | L2 | DCT MA W879 VESOP DCT                                                                     |
| YBMK | YBBN | % |    | DCT MK V153 MUNAR Y61 RUROX Y177 BN DCT                                                   |
|      |      | > |    | DCT MK V153 LERKI W258 COBES W228 SUSGI V307 BN DCT                                       |
| YBMK | YBCS | > |    | DCT MK V308 CS DCT                                                                        |
|      |      |   |    | DCT MK B462 OVRON Q67 CS DCT                                                              |
| YBMK | YMML |   |    | DCT MK H652 ALAXU SAPNO Y33 BORLI Q346 POLSO Q35 CANTY H119 ML DCT                        |
| YBNA | YMEN |   |    | DCT BNA W494 IDNER H98 SANAD W786 TESAT WOL H65 LEECE Q29 LUVAS Q205 COLDS V512 ESDAN DCT |
| YBNA | YSSY | > |    | DCT BNA W256 LOSKU W342 OLTIN W786 TESAT DCT                                              |
|      |      |   |    | DCT BNA W256 LOSKU W342 OLTIN W786 MEPIL DCT                                              |
|      |      |   |    | DCT BNA W494 IDNER H98 SANAD H91 IGDAM H652 TESAT DCT                                     |
|      |      |   |    | DCT BNA W494 IDNER H98 SANAD H91 IGDAM H652 BOREE DCT                                     |
| YBPN | YBBN | % |    | DCT PN Y495 COCKA Y177 BN DCT                                                             |
|      |      | > |    | DCT PN W387 MK V153 LERKI W258 COBES W228 SUSGI V307 BN DCT                               |

|      |      |   |    |                                                                                       |
|------|------|---|----|---------------------------------------------------------------------------------------|
| YBPN | YSSY |   |    | DCT PN W387 MK H652 TESAT DCT                                                         |
|      |      |   |    | DCT PN W387 MK H652 BOREE DCT                                                         |
| YBRK | YBBN | % |    | DCT RK V111 RUROX Y177 BN DCT                                                         |
|      |      | > |    | DCT RK V111 BUDGI V99 SUSGI V307 BN DCT                                               |
| YBRK | YBUD |   |    | DCT RK W636 BUD DCT                                                                   |
| YBRM | YPDN |   |    | DCT BRM J93 CIN J151 IRPOM JULUP J72 DN DCT                                           |
| YBRM | YPKA |   |    | DCT BRM J93 KA DCT                                                                    |
| YBRM | YPKU | > |    | DCT BRM W287 MAMUT J93 KU DCT                                                         |
|      |      |   |    | DCT BRM J93 KU DCT                                                                    |
| YBRM | YPPH | % |    | DCT BRM Q38 PH DCT                                                                    |
|      |      | > |    | DCT BRM Q38 NWN V16 WOORA Q38 PH DCT                                                  |
| YBRY | YPPH |   | L1 | DCT OLRUN DCT NOGAS DCT AVMAS Q31 AVPAL Q38 PH DCT                                    |
| YBSU | YBBN | % |    | DCT SU Q35 MUDDL BN DCT                                                               |
|      |      | > |    | DCT SU V217 GAYLA V307 BN DCT                                                         |
| YBSU | YBCG |   |    | DCT SU Q35 MUDDL IDRIL GOMOL DCT                                                      |
| YBSU | YMML | % |    | DCT SU Q35 CANTY H119 ML DCT                                                          |
| YBSU | YSSY |   |    | DCT SU Q35 SANEG H91 IGDAM H652 TESAT DCT                                             |
| YBTH | YSBK |   |    | DCT BTH W575 REVKI V599 DARGI Y20 BK DCT<br>(Restriction NOT ABV A060 NOLEM-BK)       |
| YBTH | YSSY |   |    | DCT BTH W575 AKMIR W113 TESAT DCT                                                     |
| YBTL | YBBN | % |    | DCT TL W258 LINSU W228 COCKA Y177 BN DCT                                              |
|      |      | > |    | DCT TL W258 LINSU W228 SUSGI V307 BN DCT                                              |
| YBTL | YBCS | % |    | DCT TL R346 RUMKA Q67 CS DCT                                                          |
|      |      |   |    | DCT TL V308 BARIA Q67 CS DCT                                                          |
| YBTL | YMML |   | L1 | DCT TL Q30 MATAR Y33 BORLI Q346 POLSO Q35 CANTY H119 ML DCT                           |
| YBTL | YOSB |   |    | DCT TL W469 HUG DCT                                                                   |
| YBTL | YSSY |   |    | DCT TL W258 JEMMA Y153 ROKUU H652 TESAT DCT                                           |
|      |      |   |    | DCT TL W258 JEMMA Y153 ROKUU H652 BOREE DCT                                           |
| YBUD | YBBN | % |    | DCT BUD V163 LAMUG Y177 BN DCT                                                        |
|      |      | > |    | DCT BUD V315 OTLEB V307 BN DCT                                                        |
| YBWW | YBBN |   |    | DCT BIVAT Y241 WOODY Y79 BN DCT                                                       |
| YBWW | YMML |   |    | DCT EMSOD Q607 UPMOG Q872 IKEKO DCT BOBOP Q4<br>TAXEG DCT EKABO Q35 CANTY H119 ML DCT |
| YBWW | YSGE |   | L1 | DCT LUKEY LOFFA DCT                                                                   |
| YBWW | YSSY | > | L1 | DCT GUMBA Q607 UPMOG Q872 ALDAR W128 SANAD<br>W786 TESAT DCT                          |
|      |      | % | H1 | DCT GUMBA Q607 UPMOG Q872 ALDAR DCT ADMAR H91<br>IGDAM H652 TESAT DCT                 |
| YBWX | YPPH | % |    | DCT VENGA Y208 BORVI B469 TOPIR L514 AVPAL Q38 PH<br>DCT                              |
|      |      | > |    | DCT VENGA Y208 BORVI B469 TOPIR W206 OVLUK V16<br>WOORA Q38 PH DCT                    |

|      |       |   |    |                                                                |
|------|-------|---|----|----------------------------------------------------------------|
| YCAR | YPPH  | > |    | DCT CAR B469 TOPIR W206 OVLUK V16 WOORA Q38 PH DCT             |
|      |       | > |    | DCT CAR W14 OTKUN PH DCT (refer <i>GEN-FPR para 7</i> )        |
| YCDU | YPAD  |   |    | DCT CDU V621 ATNAR N640 AD DCT                                 |
| YCFS | YBBN  |   |    | DCT CFS W214 IDNER H66 LAGOB H252 BN DCT                       |
|      |       | > |    | DCT CFS W214 GOMOL H252 BN DCT                                 |
| YCFS | YLIS  | # |    | DCT CFS V652 GFN W446 RIDVO DCT                                |
| YCFS | YMMML |   |    | DCT CFS J70 COOPA OLTIN W786 TESAT H65 LEECE Q29 ML DCT        |
| YCFS | YSBK  |   |    | DCT CFS W656 OLTIN V543 DUUKE Q155 RIC V11 BK DCT              |
| YCFS | YWLM  |   |    | DCT CFS W656 SORTI V672 LAXUM WLM DCT                          |
|      |       | # |    | DCT CFS W196 UGPOT V672 LAXUM WLM DCT                          |
| YCHK | YPPH  | % | H1 | DCT PANBI DCT RIPMA DCT OPALL Q38 PH DCT                       |
| YCOM | YSSY  |   |    | DCT COM W290 CB W423 CULIN Y59 TESAT DCT                       |
|      |       |   |    | DCT COM W290 CB W423 CULIN Y59 RIVET DCT                       |
|      |       | # |    | DCT COM W290 CB W122 AKMIR W113 TESAT DCT (refer requirements) |
|      |       |   |    | DCT COM W290 CB W122 AKMIR W113 ODALE DCT (refer requirements) |
| YCWA | YPPH  | % | H1 | DCT KAPGA Q31 AVPAL Q38 PH DCT                                 |
| YCWR | YSSY  |   |    | DCT CWR W168 AKMIR W113 TESAT DCT                              |
|      |       |   |    | DCT CWR W168 AKMIR W113 ODALE DCT                              |
| YDLO | YPPH  | > |    | DCT KELLA Z38 PH DCT                                           |
| YDPO | YMMML |   |    | DCT IRSOM V246 ONAGI H215 WAREN W687 ML DCT                    |
| YEML | YBBN  | % |    | DCT EML Y409 BESBO Y177 BN DCT                                 |
|      |       | > |    | DCT EML W186 SUSGI V307 BN DCT                                 |
| YESP | YPPH  | > |    | DCT ESP Q158 MALUP Z52 LAVEX Z38 PH DCT                        |
| YEWA | YPPH  |   |    | DCT GUTLI L514 AVPAL Q38 JULIM PH DCT                          |
| YFDF | YPPH  | % | H1 | DCT ISLIP Q181 AVPAL Q38 PH DCT                                |
| YGEL | YPPH  | % |    | DCT GEL Z41 HINDS Q38 PH DCT                                   |
|      |       | > |    | DCT GEL Z41 TEBIP V16 WOORA Q38 PH DCT                         |
|      |       | > |    | DCT GEL W14 OTKUN PH DCT (refer <i>GEN-FPR para 7</i> )        |
| YGFN | YSSY  |   |    | DCT GFN W334 LOSKU W342 OLTIN W786 TESAT DCT                   |
|      |       |   |    | DCT GFN W334 LOSKU W342 OLTIN W786 MEPIL DCT                   |
| YGGE | YPPH  |   |    | DCT IKEVA Q65 OVLUK V16 WOORA Q38 PH DCT                       |
| YGIA | YPPH  | % | H1 | DCT NWN Q38 PH DCT                                             |
| YGLA | YBBN  | > |    | DCT GLA W347 SUSGI V307 BN DCT                                 |
|      |       | % |    | DCT GLA BESBO Y177 BN DCT                                      |
| YGLA | YSSY  | % |    | DCT GLA BESBO SMOKA Y177 BN H91 IGDAM H652 TESAT DCT           |
|      |       | > |    | DCT GLA W347 SUSGI V307 BN H91 SANAD W786 TESAT DCT            |
| YGTE | YBCS  |   |    | DCT GTE J27 GUGUK J61 CS DCT                                   |
| YHBA | YBBN  | % |    | DCT HAAVI W699 SOSTU V221 LAMUG Y177 BN DCT                    |
|      |       | > |    | DCT HAAVI W699 SOSTU V372 OTLEB V307 BN DCT                    |



|      |      |   |    |                                                                                     |
|------|------|---|----|-------------------------------------------------------------------------------------|
| YHBA | YSSY |   |    | DCT HAAVI T55 ITIDE MUDDL HUUGO H91 IGDAM H652 TESAT DCT                            |
| YHOT | YSSY |   |    | DCT SOVRU W222 CB W122 AKMIR W113 TESAT DCT<br>(Restriction NOT ABV FL200 CB-AKMIR) |
|      |      |   |    | DCT SOVRU W222 CB W122 AKMIR W113 ODALE DCT<br>(Restriction NOT ABV FL200 CB-AKMIR) |
| YIBO | YPPH |   |    | DCT GOOTA Q9 AVPAL Q38 JULIM PH DCT                                                 |
| YIVL | YSSY |   |    | DCT IVL V779 SANAD W786 TESAT DCT                                                   |
| YKAR | YPPH |   |    | DCT OVLUK V16 WOORA Q38 PH DCT                                                      |
| YKDD | YPPH |   |    | DCT YBRY OLRUN NOGAS AVMAS Q31 AVPAL Q38 PH DCT                                     |
| YKII | YMMB | # |    | DCT KII W673 MB DCT                                                                 |
|      |      | # |    | DCT KII W405 TAITE W538 MB DCT                                                      |
| YKMP | YSSY |   |    | DCT KADSI W403 SORTI W656 OLTIN W786 TESAT DCT                                      |
|      |      |   |    | DCT KADSI W403 SORTI W656 OLTIN W786 MEPIL DCT                                      |
| YKSC | YPAD |   |    | DCT VAVPA V175 AD DCT                                                               |
| YLEO | YPPH | > |    | DCT LEO Z22 MULDM Z38 PH DCT                                                        |
|      |      | % |    | DCT LEO Z22 MULDM Z38 KELLA KABLI Q158 PH DCT                                       |
| YLHI | YSSY |   |    | DCT LHI H258 RIKNI N774 TESAT DCT                                                   |
|      |      |   |    | DCT LHI H258 RIKNI N774 MARLN DCT                                                   |
| YLHR | YBCS |   |    | DCT LHR W567 CS DCT                                                                 |
| YLIS | YCFS |   |    | DCT RIDVO W446 GFN DCT CFS DCT                                                      |
| YLIS | YSSY |   | L3 | DCT RIDVO LOSKU W342 OLTIN W786 TESAT DCT                                           |
|      |      |   |    | DCT RIDVO LOSKU W342 OLTIN W786 MEPIL DCT                                           |
| YLRE | YBBN |   |    | DCT LRE MOVBA Y684 SUSGI V307 BN DCT                                                |
| YLST | YPPH | % |    | DCT LST SUGAB Q11 NOMAV Q25 DALWU Q38 PH DCT                                        |
|      |      | > |    | DCT LST DCT BULGI KELLA Z38 PH DCT                                                  |
| YMAV | YBBN |   |    | DCT AV W190 ML H66 LAGOB H252 BN DCT                                                |
| YMAV | YPAD |   |    | DCT AV W190 ML H345 AD DCT                                                          |
| YMAV | YSSY |   |    | DCT AV W190 ML H129 DOSEL Y59 TESAT DCT                                             |
|      |      |   |    | DCT AV W190 ML H129 DOSEL Y59 RIVET DCT                                             |
| YMAY | YMML |   |    | DCT AY V147 TEMIS V169 ML DCT                                                       |
| YMAY | YSCB | # |    | DCT AY W335 IGDEL W545 CB DCT                                                       |
|      |      | # |    | DCT AY W335 WOLBI W377 CB DCT                                                       |
| YMAY | YSSY | > |    | DCT AY W817 AKMIR W113 TESAT DCT                                                    |
|      |      |   |    | DCT AY W817 AKMIR W113 ODALE DCT                                                    |
|      |      |   |    | DCT AY J42 ARRAN Y59 TESAT DCT                                                      |
|      |      |   |    | DCT AY J42 ARRAN Y59 RIVET DCT                                                      |
| YMBA | YBCS |   |    | DCT NONUM J64 CS DCT                                                                |
| YMDG | YSSY | # |    | DCT MUDGI W575 AKMIR W113 TESAT DCT                                                 |
|      |      |   |    | DCT MUDGI W575 AKMIR W113 ODALE DCT                                                 |
|      |      | # |    | DCT MUDGI IDSUP MONDO W786 TESAT DCT                                                |
|      |      |   |    | DCT MUDGI IDSUP MONDO W786 TESAT DCT                                                |
| YMDG | YWLM |   |    | DCT MUDGI H530 IDSUP EMSUR Z105 ELKAB LAXUM WLM DCT                                 |

|      |      |   |    |                                                                                             |
|------|------|---|----|---------------------------------------------------------------------------------------------|
| YMEK | YPPH | > |    | DCT MEK V16 WOORA Q38 PH DCT                                                                |
|      |      | > |    | DCT MEK V16 OVLUK PH DCT (refer <i>GEN-FPR para 7</i> )                                     |
| YMEN | YPAD |   |    | DCT ESDAN ML H345 AD DCT                                                                    |
| YMEN | YSHT |   |    | DCT ESDAN ML H50 MNG W477 SHT DCT                                                           |
| YMEN | YSSY |   |    | DCT ESDAN ML H129 DOSEL Y59 TESAT DCT                                                       |
|      |      |   |    | DCT ESDAN ML H129 DOSEL Y59 RIVET DCT                                                       |
|      |      | > |    | DCT ESDAN ML H129 DOSEL W569 AY W817 AKMIR W113 TESAT DCT                                   |
|      |      |   |    | DCT ESDAN ML H129 DOSEL W569 AY W817 AKMIR W113 ODALE DCT                                   |
| YMEN | YWSL | > |    | DCT ESDAN ML W687 WAREN W449 BULKO DCT                                                      |
| YMER | YMML |   | L2 | DCT MER W441 TEMIS V169 ML DCT                                                              |
|      |      | # |    | DCT MER W297 ESL V434 DUNNE V650 BADGR N759 ML DCT                                          |
| YMER | YSBK |   | L1 | DCT MER W151 ATGOD W40 AKMIR W817 DARGI Y20 BK DCT (Restriction NOT ABV A060 NOLEM-BK)      |
| YMER | YSSY |   | L1 | DCT MER W151 ATGOD W40 AKMIR W113 TESAT DCT                                                 |
|      |      |   |    | DCT MER W151 ATGOD W40 AKMIR W113 ODALE DCT                                                 |
| YMHB | YBBN |   |    | DCT TASUM H111 LT W218 VIMAP Y327 MAKRL J163 CB W137 AVBEG W184 MUDGI H66 LAGOB H252 BN DCT |
| YMHB | YMML |   |    | DCT TASUM H111 LT H215 WAREN W687 ML DCT                                                    |
| YMHB | YPAD |   |    | DCT TASUM T234 BORTO H345 AD DCT                                                            |
|      |      |   | H1 | DCT TASUM H111 LT W105 WYY W564 KII OKISI T234 BORTO H345 AD DCT                            |
| YMHB | YSCB |   |    | DCT TASUM H111 LT W218 VIMAP Y327 MAKRL POLLI CB DCT                                        |
| YMHB | YSSY |   | L1 | DCT TASUM H111 LT W218 VIMAP Y327 MAKRL J163 CB W423 CULIN Y59 TESAT DCT                    |
|      |      |   | H1 | DCT TASUM H111 LT W218 VIMAP Y327 MAKRL J163 CB W423 CULIN Y59 RIVET DCT                    |
| YMIA | YMML |   |    | DCT MIA H102 NATYA H119 ML DCT                                                              |
| YMIA | YPAD |   |    | DCT MIA H309 AD DCT                                                                         |
| YMLT | YMML |   |    | DCT LT H215 WAREN W687 ML DCT                                                               |
| YMLT | YPAD |   | H1 | DCT LT W105 WYY W564 KII OKISI T234 BORTO H345 AD DCT                                       |
| YMLT | YSSY |   |    | DCT LT W218 VIMAP Y327 MAKRL J163 CB W423 CULIN Y59 TESAT DCT                               |
|      |      |   |    | DCT LT W218 VIMAP Y327 MAKRL J163 CB W423 CULIN Y59 RIVET DCT                               |
| YMMB | YKII | # |    | DCT MB W673 KII DCT                                                                         |
|      |      | # |    | DCT MB W538 TAITE W405 KII DCT                                                              |
| YMMB | YPAD |   |    | DCT MB W661 ML H345 AD DCT                                                                  |
| YMMI | YPPH | % |    | DCT MULDM Z38 KELLA KABLI Q158 PH DCT                                                       |
|      |      | > |    | DCT MULDM Z38 PH DCT                                                                        |
| YMML | WIII |   |    | DCT ML H345 AD A585 HLM DKI DCT                                                             |
| YMML | YBAS |   |    | DCT ML H164 LEC A461 AS DCT                                                                 |
| YMML | YBBN |   |    | DCT ML H66 LAGOB H252 BN DCT                                                                |

|      |      |   |    |                                                                 |
|------|------|---|----|-----------------------------------------------------------------|
| YMML | YBCG |   |    | DCT ML H66 URKER Y54 BERNI Y43 GREAV GOMOL DCT                  |
| YMML | YBCS |   |    | DCT ML H50 MNG Q76 NONUM J64 CS DCT                             |
| YMML | YBHM |   | H1 | DCT ML H50 MNG Q76 PORIV MIMIB AKUMI ESKUT Q141 OVRON HM DCT    |
|      |      | # | H2 | DCT ML H50 MNG Q76 OPAXA EML W472 MK B462 OVRON DCT             |
| YMML | YBMK |   |    | DCT ML H66 MUDGI H530 KABIX UNVAT RUROX RK EMSUP V308 MK DCT    |
| YMML | YBNA |   |    | DCT ML H66 URKER Y54 OLRIP BNA DCT                              |
| YMML | YBSU |   |    | DCT ML H66 IDNER W214 GOMOL Q69 SU DCT                          |
| YMML | YBTL |   |    | DCT ML H50 MNG Q76 LAKOT Y80 VOMPA Q165 TL DCT                  |
| YMML | YBWW |   |    | DCT ML H66 TW EMTID Y27 EDPEG LAREG Y24 UDERI DCT               |
| YMML | YMHB |   |    | DCT ML H169 IRSOM V33 TASUM DCT                                 |
| YMML | YMIA |   |    | DCT ML V376 MIA DCT                                             |
| YMML | YMLT |   |    | DCT ML H169 IRSOM W105 LT DCT                                   |
| YMML | YMTG |   |    | DCT ML V126 ESDIG W191 MTG DCT                                  |
| YMML | YPAD |   |    | DCT ML H345 AD DCT                                              |
| YMML | YPDN |   |    | DCT ML H164 KEPPEA H336 NATYA J19 BHI T25 TNK J30 TN Q23 DN DCT |
|      |      |   |    | DCT ML H164 LEC A461 AS J251 TN Q23 DN DCT                      |
| YMML | YPPH | # |    | DCT ML H345 AD N640 KAMBI Q32 NODEV Q10 MALUP Q158 PH DCT       |
|      |      | # |    | DCT ML Q158 PH DCT                                              |
|      |      | # |    | DCT ML V126 NOGIP T134 TAPAX Q27 MALUP Q158 PH DCT              |
|      |      | # |    | DCT ML V126 NOGIP T65 TEKUP L513 TAPAX Q27 MALUP Q158 PH DCT    |
|      |      |   |    | DCT ML H345 BORTO Q46 LESON Q33 ESP Q158 PH DCT                 |
| YMML | YSCB | > |    | DCT ML H129 DOSEL W569 AY J42 CB DCT                            |
|      |      |   |    | DCT ML H129 DOSEL Y59 ARRAN J42 CB DCT                          |
| YMML | YSSY | > |    | DCT ML H129 DOSEL W569 AY W817 AKMIR W113 TESAT DCT             |
|      |      |   |    | DCT ML H129 DOSEL W569 AY W817 AKMIR W113 ODALE DCT             |
|      |      |   |    | DCT ML H129 DOSEL Y59 TESAT DCT                                 |
|      |      |   |    | DCT ML H129 DOSEL Y59 RIVET DCT                                 |
| YMML | YWLM |   |    | DCT ML H129 DOSEL Y59 TESAT H252 EKIPU WLM DCT                  |
| YMML | YWYY |   |    | DCT ML H169 SUNTI W495 WYY DCT                                  |
| YMND | YSSY |   |    | DCT MONDO W786 TESAT DCT                                        |
| YMNE | YPPH | % |    | DCT YMNE SUGAB Q11 NOMAV Q25 DALWU Q38 PH DCT                   |
| YMOR | YSSY | # |    | DCT MOR W542 TW W130 OLTIN W786 TESAT DCT                       |
|      |      |   |    | DCT MOR W542 TW W130 OLTIN W786 YAKKA MEPIL DCT                 |
| YMRB | YBBN | > |    | DCT NIPOM W727 SUSGI V307 BN DCT                                |
| YMRY | YSSY |   | L1 | DCT URBOB W40 AKMIR W113 TESAT DCT                              |
|      |      |   |    | DCT URBOB W40 AKMIR W113 ODALE DCT                              |

|      |      |   |    |                                                                                                |
|------|------|---|----|------------------------------------------------------------------------------------------------|
| YMTG | YMML |   |    | DCT MTG Y53 WENDY V279 ML DCT                                                                  |
| YMTG | YPAD | > |    | DCT MTG V259 AD DCT                                                                            |
| YMTI | YBMA |   | L1 | DCT VESOP W349 MA DCT                                                                          |
| YMTI | YBMA |   | L2 | DCT VESOP W879 MA DCT                                                                          |
| YMYB | YBBN |   |    | DCT SOSTU V372 LAVEG V307 BN DCT                                                               |
| YNAR | YSSY |   | L2 | DCT VINOP W762 AKMIR W113 TESAT DCT                                                            |
|      |      |   |    | DCT VINOP W762 AKMIR W113 ODALE DCT                                                            |
| YNWN | YPPH | % |    | DCT NWN Q38 PH DCT                                                                             |
|      |      | > |    | DCT NWN V16 WOORA Q38 PH DCT                                                                   |
| YOLD | YPAD |   | L1 | DCT POLUP W566 WHA H84 AD DCT                                                                  |
|      |      | # | L2 | DCT OMKEK GAANY Z92 WHA H84 AD DCT                                                             |
|      |      | # | L3 | DCT OMKEK HAZOS WHA H84 AD DCT                                                                 |
| YOLW | YPPH | % |    | DCT VESIM Y208 BORVI B469 TOPIR L514 AVPAL Q38 PH DCT                                          |
|      |      | > |    | DCT VESIM Y208 BORVI B469 TOPIR W206 OVLUK V16 WOORA Q38 PH DCT                                |
| YOOM | YPAD |   |    | DCT OOM J37 ATLIB H630 NIMEK H135 AD DCT                                                       |
| YORG | YSSY |   |    | DCT VIRUR W801 AKMIR W113 TESAT DCT                                                            |
|      |      |   |    | DCT VIRUR W801 AKMIR W113 ODALE DCT                                                            |
| YOSB | YBTL |   |    | DCT HUG W469 TL DCT                                                                            |
| YPAD | YBAS |   |    | DCT AD A585 AREPA J58 WHA J251 AS DCT                                                          |
| YPAD | YBBN |   |    | DCT AD UPROT Y27 IGIPA Y46 EMTID Y27 BN DCT<br>If R570C or D active<br>DCT AD UPROT Y27 BN DCT |
| YPAD | YBCG |   |    | DCT AD UPROT UBDIB Y54 BERNI Y43 GOMOL DCT                                                     |
| YPAD | YBCS |   | H1 | DCT AD H246 OOM NONET SARIK ONARA J64 CS DCT                                                   |
| YPAD | YBHI |   | L2 | DCT AD W426 BHI DCT                                                                            |
| YPAD | YBRM |   |    | DCT AD A585 AREPA Q8 AKDAV T20 BRM DCT                                                         |
| YPAD | YBTL |   |    | DCT AD H246 ORBUN ELMOL LRE DCT LAKOT Y80 VOMPA Q165 TL DCT                                    |
| YPAD | YCBP |   | L2 | DCT AD W238 RUKNA W142 WHA W274 CBP DCT                                                        |
| YPAD | YCDU |   |    | DCT AD A585 CDU DCT                                                                            |
| YPAD | YKSC |   |    | DCT AD V504 VAVPA DCT                                                                          |
| YPAD | YMAV |   |    | DCT AD V255 BENDO Y218 TYNDI Y53 WENDY W382 IGNES W15 AV DCT                                   |
| YPAD | YMEN |   | L1 | DCT AD V255 BENDO Y218 TYNDI Y53 WENDY W382 ESDAN DCT                                          |
| YPAD | YMHB |   |    | DCT AD V255 BENDO Y218 GRACY T234 URBEN Y557 MORG0 V33 TASUM DCT                               |
| YPAD | YMIA |   |    | DCT AD V361 MIA DCT                                                                            |
| YPAD | YMLT |   | L2 | DCT AD V255 BENDO Y218 GRACY T234 OKISI KII W564 WYY W105 LT DCT                               |
| YPAD | YMMB |   | L1 | DCT AD V255 BENDO V211 PUBAP W291 AV W635 MB DCT                                               |
| YPAD | YMML |   | H1 | DCT AD V255 BENDO Y12 ARBEY H119 ML DCT                                                        |
| YPAD | YMML | > | L1 | DCT AD V255 BENDO V211 PUBAP W291 WENDY V279 ML DCT                                            |

|      |      |   |    |                                                                                     |
|------|------|---|----|-------------------------------------------------------------------------------------|
| YPAD | YMTG | > |    | DCT AD W519 MTG DCT                                                                 |
| YPAD | YOLD |   | L1 | DCT AD W238 AVPAS DCT                                                               |
|      |      |   | L2 | DCT AD W238 AVPAS HAZOS OMKEK DCT                                                   |
|      |      |   | L3 | DCT AD W238 RUKNA W142 WHA Z92 GAANY OMKEK DCT                                      |
|      |      |   | L4 | DCT AD W238 RUKNA W142 WHA HAZOS OMKEK DCT                                          |
|      |      |   | L5 | DCT AD W238 RUKNA W142 WHA W566 POLUP DCT                                           |
|      |      |   | L6 | DCT AD W238 AVPAS GAANY OMKEK DCT                                                   |
| YPAD | YOOM |   |    | DCT AD H246 OOM DCT                                                                 |
| YPAD | YPAG | > |    | DCT AD W238 AVPAS DCT                                                               |
| YPAD | YPDN |   |    | DCT AD A585 AREPA J58 WHA J251 TN Q23 DN DCT                                        |
| YPAD | YPKG |   |    | DCT AD A585 AREPA H54 KAMBI T97 KG DCT                                              |
|      |      |   |    | DCT AD A585 AREPA H54 KAMBI N640 FRT J141 KG DCT                                    |
| YPAD | YPIR | > |    | DCT AD W238 ACTIN W681 SUNAL DCT                                                    |
| YPAD | YPLC |   |    | DCT AD J15 TEDUS V538 PLC DCT                                                       |
| YPAD | YPPH | # |    | DCT AD A585 AREPA H54 KAMBI Q32 NODEV Q10 MALUP Q158 PH DCT                         |
|      |      | # |    | DCT AD Q33 ESP Q158 PH DCT                                                          |
| YPAD | YREN |   |    | DCT AD V361 UPROT DOVOD DCT                                                         |
| YPAD | YSCB | > |    | DCT AD V255 WG W545 CB DCT                                                          |
|      |      |   |    | DCT AD V255 BENDO H36 NONUP J142 CB DCT                                             |
| YPAD | YSBK | > | L1 | DCT AD V255 WG W113 AKMIR W817 DARGI Y20 BK DCT (Restriction NOT ABV A060 NOLEM-BK) |
| YPAD | YSSY | > |    | DCT AD H247 NATYA W762 AKMIR W113 TESAT DCT                                         |
|      |      |   |    | DCT AD H247 CULIN Y59 TESAT DCT                                                     |
| YPAD | YSSY |   | L1 | DCT AD V255 WG W113 TESAT DCT                                                       |
|      |      |   |    | DCT BENDO V255 WG W113 ODALE DCT                                                    |
| YPAD | YWHA |   |    | DCT AD W238 RUKNA W142 WHA DCT                                                      |
| YPAG | YPAD |   |    | DCT AVPAS V384 MARGO H84 AD DCT                                                     |
| YPBO | YPPH | % |    | DCT PBO Q7 ISDOR Q9 AVPAL Q38 PH DCT                                                |
|      |      | > |    | DCT PBO Q7 ISDOR Q9 RULVI DCT OVLUK V16 WOORA Q38 PH DCT                            |
| YPDN | WPDN |   |    | DCT DN J61 IKUMA Z86 DIL DCT (ABOVE F240)                                           |
| YPDN | WPDN |   |    | DCT DN J61 JULIE Z69 DIL DCT (AT OR BELOW F240)                                     |
| YPDN | YBBN |   |    | DCT DN Y25 OPEKO A464 UNVAT V327 IGUPI Y340 LAMUG Y177 BN DCT                       |
| YPDN | YBCS |   |    | DCT DN Y25 RUPEG SOCAR J61 CS DCT                                                   |
| YPDN | YBMA | % |    | DCT DN Y25 OPEKO A464 MIGAX Y139 LEMUD MA DCT                                       |
|      |      | > |    | DCT DN J251 TN A464 MIGAX Y139 LEMUD MA DCT                                         |
| YPDN | YPAD |   |    | DCT DN Y25 BEBUX Y83 GREGA J251 WHA H84 AD DCT                                      |
| YPDN | YPPH |   |    | DCT DN J151 IRPOM NISAD REBIR WLU Q73 NOMAV Q25 DALWU Q38 PH DCT                    |
|      |      |   |    | DCT DN J151 IRPOM KU J72 ARG T63 BIDAP Q25 DALWU Q38 PH DCT                         |
| YPDN | YPGV |   |    | DCT DN Y25 RUPEG DCT TUSTU J151 GV DCT                                              |

|      |      |   |    |                                                                                      |
|------|------|---|----|--------------------------------------------------------------------------------------|
| YPDN | YSSY |   |    | DCT DN Y25 BEBUX T74 VEPAP Y105 TARAL Y59 TESAT DCT                                  |
|      |      |   |    | DCT DN Y25 BEBUX T74 VEPAP Y105 TARAL Y59 RIVET DCT                                  |
| YPGV | YBCS | # |    | DCT GV B472 GUGUK J61 CS DCT                                                         |
|      |      | # |    | DCT GV J151 CS DCT                                                                   |
| YPIR | YPAD |   |    | DCT SUNAL W681 ACTIN V432 MARGO H84 AD DCT                                           |
| YPJT | YABA |   |    | DCT SOLUS W172 JOSBU V408 ABA DCT                                                    |
| YPJT | YPKG | > | L2 | DCT JT W114 PH Z19 REPOK Z87 AVGIK Z23 KG DCT                                        |
| YPJT | YMDN | % |    | DCT JT W114 PH Y31 AMANA DCT                                                         |
| YPKA | YPPH | % |    | DCT KA Y305 GUTLI L514 AVPAL Q38 PH DCT                                              |
|      |      | > |    | DCT KA Y305 GUTLI L514 PALTI OVLUK V16 WOORA Q38 PH DCT                              |
| YPKG | YPPH | % |    | DCT KG Q41 MALUP Q158 PH DCT                                                         |
|      |      | > |    | DCT KG V242 KELLA Z38 PH DCT                                                         |
|      |      | > |    | DCT KG V242 KELLA CUN PH DCT (refer <i>GEN-FPR para 7</i> )                          |
| YPKT | YPDN |   |    | DCT JULUP J72 DN DCT                                                                 |
| YPKU | YBRM | > |    | DCT KU J93 MAMUT W287 BRM DCT                                                        |
|      |      |   |    | DCT KU J93 BRM DCT                                                                   |
| YPKU | YPPH | # |    | DCT KU J72 ARG T63 BIDAP Q25 DALWU Q38 PH DCT                                        |
|      |      | # |    | DCT KU T27 VALRA Q73 NOMAV Q25 DALWU Q38 PH DCT                                      |
|      |      | # |    | DCT KU T27 VALRA W121 NWN Q38 PH DCT                                                 |
| YPLC | YPAD |   |    | DCT PLC V707 ATNAR N640 AD DCT                                                       |
| YPLM | YPPH | % |    | DCT LM Y207 BORVI B469 TOPIR L514 AVPAL Q38 PH DCT                                   |
|      |      | > |    | DCT LM Y207 BORVI B469 TOPIR W206 OVLUK V16 WOORA Q38 PH DCT                         |
| YPMQ | YSBK |   |    | DCT PMQ W768 SORTI W656 OLTIN V543 DUUKE Q155 RIC V11 BK DCT                         |
| YPMQ | YSSY | > |    | DCT PMQ W768 SORTI W656 OLTIN W786 TESAT DCT                                         |
|      |      |   |    | DCT PMQ W768 SORTI DCT IGDAM H652 TESAT DCT                                          |
| YPMQ | YWLM |   |    | DCT PMQ W768 SORTI V672 LAXUM WLM DCT                                                |
|      |      | # |    | DCT PMQ DCT UGPOT W603 WLM DCT                                                       |
| YPPD | YPPH | % |    | DCT PD Q9 AVPAL Q38 PH DCT                                                           |
|      |      | > |    | DCT PD Q9 RULVI DCT OVLUK V16 WOORA Q38 PH DCT                                       |
| YPPH | VHHH |   |    | DCT PH Y15 ESDEG Q587 METUM R592 BLI M522 VINIK M754 AKOTA A583 SABNO V541 BETTY DCT |
| YPPH | VTBD |   |    | DCT PH Y15 AVNEX N752 PLB G579 SJ B469 VPK M751 REGOS BKK DCT                        |
|      |      |   |    | DCT PH Y15 ESDEG Q587 IGLUT T58 SAPDA A585 PLB G579 SJ B469 VPK M751 REGOS BKK DCT   |
| YPPH | WADD |   |    | DCT PH Y15 ESDEG Q587 METUM R592 BLI DCT                                             |
| YPPH | WIII |   |    | DCT PH Y15 ESDEG Q587 IGLUT T58 SAPDA A585 HLM DKI DCT                               |
|      |      |   |    | DCT PH Y15 AVNEX N752 MALBI G209 XMX R206 LADIR DKI DCT                              |

|      |      |   |    |                                                                                   |
|------|------|---|----|-----------------------------------------------------------------------------------|
| YPPH | WMKK |   |    | DCT PH Y15 AVNEX N752 PLB G579 VJB A457 VKL DCT                                   |
|      |      |   |    | DCT PH Y15 ESDEG Q587 IGLUT T58 SAPDA A585 PLB G579 VJB A457 VKL DCT              |
| YPPH | WSSS |   |    | DCT PH Y15 AVNEX N752 PLB G579 SJ DCT                                             |
|      |      |   |    | DCT PH Y15 ESDEG Q587 IGLUT T58 SAPDA A585 PLB G579 SJ DCT                        |
| YPPH | YABA |   |    | DCT PH W172 JOSBU V408 ABA DCT                                                    |
| YPPH | YANG | % | L1 | DCT PH Y15 ESDEG Y60 TUSVA GOKUP DCT                                              |
| YPPH | YAYE | % |    | DCT PH Y31 LAKIR Y69 UPRUN W408 AYE DCT                                           |
| YPPH | YBAS | % |    | DCT PH Y31 LAKIR Y69 UPRUN W408 AS DCT                                            |
| YPPH | YBGD |   |    | DCT PH AVNEX Y15 IDRIM KALUV ISGOX DCT                                            |
| YPPH | YBBN |   |    | DCT PH Y31 LAKIR Y69 BOSLI Y67 KG J141 LEC T33 ANROM Y62 IGDIT Y27 BN DCT         |
| YPPH | YBRM | % |    | DCT PH Y31 BRM DCT                                                                |
|      |      | > |    | DCT PH Z19 MURCH Y31 BRM DCT                                                      |
| YPPH | YBRY |   | L1 | DCT PH Y15 ESDEG Y60 GUVNA DCT                                                    |
| YPPH | YBWY | % |    | DCT PH Y15 ESDEG Q587 IGLUT DCT                                                   |
|      |      | > |    | DCT PH Q17 OTLED Y10 ESDEG Q587 IGLUT DCT                                         |
| YPPH | YCHK | % |    | DCT PH Y31 WONJU V35 NWN MILAL DUGOV DCT                                          |
| YPPH | YCWA |   | H1 | DCT PH Y15 ESDEG Y60 ISDOR SARIG DCT                                              |
| YPPH | YDLO | > |    | DCT PH Z19 REPOK Z87 MIDIM DCT                                                    |
| YPPH | YESP | % |    | DCT PH H18 BURGU Y53 MEMUP ESP DCT                                                |
|      |      | > |    | DCT PH Z44 ESP DCT                                                                |
| YPPH | YEWA |   |    | DCT PH AVNEX Y15 IDRIM DCT                                                        |
| YPPH | YFDF | % |    | DCT PH Y15 ESDEG Y60 GUVNA VEPEK DCT                                              |
| YPPH | YGEL | % |    | DCT PH Y15 AVNEX Q20 ONGAR W14 GEL DCT                                            |
|      |      | > |    | DCT PH Q17 ONGAR W14 GEL DCT                                                      |
|      |      | > |    | DCT PH DCT OTKUN W14 GEL DCT<br>(refer GEN-FPR, para 7)                           |
| YPPH | YGGE |   |    | DCT PH Z19 NINEK Y41 RUGBO DCT                                                    |
| YPPH | YGIA | % | H1 | DCT PH Y31 WONJU DCT                                                              |
| YPPH | YIBO |   |    | DCT PH Y15 ESDEG Y60 GUVNA DCT                                                    |
| YPPH | YKAR |   |    | DCT PH Z19 NINEK Y41 RUGBO DCT                                                    |
| YPPH | YKDD |   |    | DCT PH Y15 ESDEG Y60 GUVNA DCT                                                    |
| YPPH | YLEO | > |    | DCT PH Z19 REPOK Z87 AVGIK Z23 KATCM Z83 YOKRA Y69 LEO DCT                        |
| YPPH | YLST | % |    | DCT PH Y31 MANIG Y18 SUGAB LST DCT                                                |
|      |      | > |    | DCT PH Z19 REPOK Z87 BULGI LST DCT                                                |
| YPPH | YLTN | > |    | DCT PH Z19 REPOK Z87 AVGIK Z23 KATCM Z83 YOKRA Y69 LEO DCT                        |
| YPPH | YMEK | % |    | DCT PH Y31 ANKEL MEK DCT                                                          |
|      |      | > |    | DCT PH Z19 WIRAL MEK DCT                                                          |
| YPPH | YMEN |   |    | DCT PH H18 BURGU Y135 TEDUS J15 AD V255 BENDO Y218 TYNDI Y53 WENDY W382 ESDAN DCT |
| YPPH | YMHL | > |    | DCT PH Z44 PUMRY DCT                                                              |

|      |      |   |    |                                                                                       |
|------|------|---|----|---------------------------------------------------------------------------------------|
| YPPH | YMMI | % |    | DCT PH Y31 LAKIR Y69 LEO DCT                                                          |
|      |      | > |    | DCT PH Z19 REPOK Z87 AVGIK Z23 KATCM Z83 YOKRA Y69 LEO DCT                            |
| YPPH | YVML |   | H1 | DCT PH H18 BURGU Y53 WENDY V279 ML DCT                                                |
|      |      |   | H2 | DCT PH H18 BURGU Y135 TEDUS J15 AD V255 BENDO Y12 ARBEY H119 ML DCT                   |
|      |      |   | H3 | DCT PH Y31 LAKIR Y69 BOSLI Y67 KG J141 BEZZA A585 AD V255 BENDO Y12 ARBEY H119 ML DCT |
|      |      |   | H4 | DCT PH H18 MUBID J21 ISLAV N640 AD V255 BENDO Y12 ARBEY H119 ML DCT                   |
| YPPH | YMNE | % |    | DCT PH Y31 MANIG Y18 SUGAB YMNE DCT                                                   |
| YPPH | YNOV | % |    | DCT PH H18 MUBID DCT                                                                  |
|      |      | > |    | DCT PH Z44 PUMRY DCT                                                                  |
| YPPH | YNWN | % |    | DCT PH Y31 WONJU V35 NWN DCT                                                          |
|      |      | > |    | DCT PH Z19 MURCH Y31 WONJU V35 NWN DCT                                                |
| YPPH | YOLW | % |    | DCT PH Y15 AVNEX H16 GEL Y77 SAGNO DCT                                                |
|      |      | > |    | DCT PH Q17 ONGAR W14 GEL Y77 SAGNO DCT                                                |
| YPPH | YPAD |   | H1 | DCT PH H18 BURGU Y135 DADRU Y39 ATNAR N640 AD DCT                                     |
|      |      |   | H2 | DCT PH H18 MUBID J21 ISLAV N640 AD DCT                                                |
| YPPH | YPBO | % |    | DCT PH Y15 ESDEG Y44 PEXOR V653 PBO DCT                                               |
|      |      | > |    | DCT PH Q17 OTLED Y10 ESDEG Y44 PEXOR V653 PBO DCT                                     |
| YPPH | YPDN | % |    | DCT PH Y31 MANIG Y36 BIDAP T63 ARG J72 DN DCT                                         |
| YPPH | YPKA | % |    | DCT PH Y15 GUGRA Z55 KA DCT                                                           |
|      |      | > |    | DCT PH Q17 OTLED Y10 ESDEG Y15 GUGRA Z55 KA DCT                                       |
| YPPH | YPKG | % |    | DCT PH Y31 LAKIR Y69 BOSLI Y67 KG DCT                                                 |
|      |      | > |    | DCT PH Z19 REPOK Z87 AVGIK Z23 KG DCT                                                 |
| YPPH | YPKU | % |    | DCT PH Y31 MANIG Y36 BIDAP T63 ARG J72 KU DCT                                         |
| YPPH | YPLM | % |    | DCT PH Y15 AVNEX H16 LM DCT                                                           |
|      |      | > |    | DCT PH Q17 ONGAR W14 GEL H16 LM DCT                                                   |
| YPPH | YPPD | % |    | DCT PH Y15 ESDEG Y44 BUTON PD DCT                                                     |
|      |      | > |    | DCT PH Q17 OTLED Y10 ESDEG Y44 BUTON PD DCT                                           |
| YPPH | YSCB |   | H1 | DCT PH H18 BURGU Y135 TEDUS J15 AD V255 BENDO H36 NONUP J142 CB DCT                   |
|      |      |   | H2 | DCT PH H18 BURGU Y53 RUFLE T131 BORTO J142 CB DCT                                     |
|      |      |   | H3 | DCT PH Y31 LAKIR Y69 BOSLI Y67 KG J141 LEC W428 BHI BORLI W266 CB DCT                 |
|      |      |   | H4 | DCT PH H18 MUBID J21 BORLI W266 CB DCT                                                |
|      |      |   | H5 | DCT PH H18 BURGU Y53 MEMUP Y87 TAPAX T134 SUBUM T8 AY J42 CB DCT                      |
| YPPH | YSOL |   |    | DCT PH AVNEX Y15 ESDEG Y44 PEXOR DCT                                                  |
| YPPH | YSRD | > |    | DCT PH Z19 REPOK Z87 AVGIK Z23 KATCM Z67 YAHMO DCT                                    |
|      |      | % |    | DCT PH Y31 LAKIR Y69 YOKRA DCT                                                        |



|      |      |   |    |                                                                                      |
|------|------|---|----|--------------------------------------------------------------------------------------|
| YPPH | YSSY |   | H1 | DCT PH H18 MUBID J21 BORLI H205 CULIN Y59 TESAT DCT                                  |
|      |      |   |    | DCT PH H18 MUBID J21 BORLI H205 CULIN Y59 RIVET DCT                                  |
|      |      |   | H2 | DCT PH H18 BURGU Y135 TEDUS J15 AD H247 CULIN Y59 TESAT DCT                          |
|      |      |   |    | DCT PH H18 BURGU Y135 TEDUS J15 AD H247 CULIN Y59 RIVET DCT                          |
| YPPH | YWDG | > |    | DCT PH Z19 REPOK Z87 AVGIK Z23 KATCM DCT                                             |
| YPPH | YWGA |   |    | DCT PH Y15 ESDEG Y44 BUTON DCT                                                       |
| YPPH | YWLU | > |    | DCT PH Z19 NINEK Z61 WLU DCT                                                         |
| YPXM | YPPH |   |    | DCT XMX G209 IDOKU B469 TOPIR L514 AVPAL Q38 PH DCT                                  |
| YREN | YPAD |   |    | DCT DOVOD V395 KAKLU H309 AD DCT                                                     |
| YROM | YBBN | % |    | DCT ROM Y166 IDLEG V327 IGUPI Y340 LAMUG Y177 BN DCT                                 |
|      |      | > |    | DCT ROM Y79 BN DCT                                                                   |
| YSBK | YBTH |   |    | DCT BK W339 KADOM W386 BTH DCT                                                       |
| YSBK | YCFS |   |    | DCT KAMBA V140 WLM V535 NICLA W446 KADSI W196 CFS DCT                                |
| YSBK | YMEN |   |    | DCT BK WOL H65 LEECE Q29 LUVAS Q205 COLDS V512 ESDAN DCT                             |
|      |      | > |    | DCT BK PEGSU V169 TEMIS W188 COLDS V512 ESDAN DCT                                    |
|      |      | > |    | DCT BK W339 KADOM H44 LIDLI W755 METUV W654 WG V410 TEMIS W188 COLDS V512 ESDAN DCT  |
| YSBK | YSCB |   |    | DCT BK PEGSU V169 CB DCT                                                             |
| YSBK | YSWG |   |    | DCT BK W339 KADOM H44 LIDLI W755 METUV W654 WG DCT                                   |
|      |      | > |    | DCT BK NDB PEGSU V169 EXETA W10 WG DCT                                               |
| YSCB | YBBN | % |    | DCT CB W137 AVBEG W184 MUDGI H66 LAGOB H252 BN DCT                                   |
|      |      | > |    | DCT CB W137 AVBEG W184 MUDGI H66 IDNER W214 GOMOL H252 BN DCT                        |
|      |      | > |    | DCT CB W122 AKMIR W113 TESAT V140 KAMBA V258 MATLA H140 IDNER W214 GOMOL H252 BN DCT |
| YSCB | YMAY | # |    | DCT CB W545 IGDEL W335 AY DCT                                                        |
| YSCB | YMHB | > |    | DCT CB J163 MAKRL SUNOB H20 MOTRA W407 TASUM DCT                                     |
| YSCB | YMHB |   |    | DCT CB Q215 TANTA MAKRL SUNOB H20 MOTRA W407 TASUM DCT                               |
| YSCB | YMLL |   |    | DCT CB Q215 TANTA Q29 ML DCT                                                         |
|      |      | > |    | DCT CB V169 ML DCT (At or ABV A100)                                                  |
| YSCB | YPAD |   | L1 | DCT CB W148 WG Q60 KAKLU H309 AD DCT                                                 |

|      |      |   |    |                                                                             |
|------|------|---|----|-----------------------------------------------------------------------------|
| YSCB | YPPH |   | H3 | DCT CB W137 CWR W703 PKS J141 KG Q41 MALUP Q158 PH DCT                      |
|      |      |   | H4 | DCT CB W266 BORLI J21 MUBID Q10 MALUP Q158 PH DCT                           |
|      |      |   | H5 | DCT CB W266 BORLI Q32 NODEV Q10 MALUP Q158 PH DCT                           |
|      |      |   | H6 | DCT CB J142 BORTO Q22 NODUR Q158 PH DCT                                     |
|      |      |   | H7 | DCT CB W545 IGDEL W335 AY T8 SUBUM T134 TAPAX Q27 MALUP Q158 PH DCT         |
| YSCB | YSBK | # |    | DCT CB W122 AKMIR W817 DARGI Y20 BK DCT (Restriction NOT ABV A060 NOLEM-BK) |
| YSCB | YSSY | > |    | DCT CB W122 AKMIR W113 TESAT DCT                                            |
|      |      |   |    | DCT CB W122 AKMIR W113 ODALE DCT                                            |
|      |      |   |    | DCT CB W423 CULIN Y59 TESAT DCT                                             |
|      |      |   |    | DCT CB W423 CULIN Y59 RIVET DCT                                             |
| YSCB | YWLM | > |    | DCT CB W122 AKMIR W113 TESAT V140 WLM DCT                                   |
|      |      |   |    | DCT CB W423 CULIN Y59 TESAT H252 EKIPU WLM DCT                              |
| YSCR | YPPH | > |    | DCT GIVEB V242 KELLA Z38 PH DCT                                             |
| YSDU | YSSY |   |    | DCT DU V138 AKMIR W113 TESAT DCT                                            |
|      |      |   |    | DCT DU V138 AKMIR W113 ODALE DCT                                            |
| YSGE | YBWW |   | L1 | DCT LOFFA LUKEY DCT                                                         |
| YSNF | YSSY |   |    | DCT NF B450 LHI H258 RIKNI N774 TESAT DCT                                   |
|      |      |   |    | DCT NF B450 LHI H258 RIKNI N774 MARLN DCT                                   |
| YSNW | YSSY |   |    | DCT NWA W575 AKMIR DCT RIVET Y59 TESAT DCT                                  |
|      |      | > |    | DCT NWA W575 AKMIR W113 TESAT DCT                                           |
| YSOL | YPPH |   |    | DCT ENDOV DCT ISDOR Q9 AVPAL Q38 JULIM PH DCT                               |
| YSRD | YPPH | > |    | DCT KAKDO Z68 BUNGL Z38 PH DCT                                              |
| YSSY | WSSS |   |    | DCT TESAT A576 PKS G222 SAPDA A585 PLB G579 SJ DCT                          |
|      |      |   |    | DCT KADOM A576 PKS G222 SAPDA A585 PLB G579 SJ DCT                          |
| YSSY | YARM |   |    | AT or ABV A100 DCT TESAT V140 KAMBA V258 MATLA W347 ARM DCT                 |
| YSSY | YBAS |   |    | DCT TESAT A576 AS DCT                                                       |
|      |      |   |    | DCT KADOM A576 AS DCT                                                       |

|      |      |   |  |                                                                                                                                                    |
|------|------|---|--|----------------------------------------------------------------------------------------------------------------------------------------------------|
| YSSY | YBCG | # |  | DCT TESAT H252 OLSEM Y193 BANDA Y43 GREAV DCT GOMOL DCT<br>(Level requirements apply-refer <i>AIP DAP</i> Sydney Departure Procedures)             |
|      |      |   |  | DCT OLSEM Y193 BANDA Y43 GOMOL DCT<br>(Level requirements apply-refer <i>AIP DAP</i> Sydney Departure Procedures)                                  |
|      |      | # |  | DCT TESAT H252 UPNEX H140 MATLA Y43 GOMOL DCT                                                                                                      |
|      |      |   |  | DCT UPNEX H140 MATLA Y43 GOMOL DCT                                                                                                                 |
|      |      | > |  | AT or ABV A100 DCT TESAT V140 KAMBA V258 MATLA H140 IDNER W598 RIDVO GOMOL DCT (non-RNAV or non-RNP only)                                          |
|      |      |   |  | AT or ABV A100 DCT KAMBA V258 MATLA H140 IDNER W598 RIDVO GOMOL DCT (non-RNAV or non-RNP only)                                                     |
| YSSY | YBBN | # |  | DCT TESAT H252 OLSEM Y193 BANDA H252 BN DCT<br>(Level requirements apply - refer <i>AIP DAP</i> Sydney Departure Procedures)                       |
|      |      |   |  | DCT OLSEM Y193 BANDA H252 BN DCT<br>(Level requirements apply - refer <i>AIP DAP</i> Sydney Departure Procedures)                                  |
|      |      | # |  | BLW FL250 DCT TESAT H252 UPNEX H140 MATLA Y43 BANDA H252 LAGOB DCT                                                                                 |
|      |      |   |  | BETWEEN A100 and FL240 DCT UPNEX H140 MATLA Y43 BANDA H252 LAGOB DCT                                                                               |
|      |      | > |  | AT or ABV A100 DCT TESAT V140 KAMBA V258 MATLA H140 IDNER W214 GOMOL H252 BN DCT                                                                   |
|      |      |   |  | AT or ABV A100 DCT KAMBA V258 MATLA H140 IDNER H66 LAGOB DCT                                                                                       |
| YSSY | YBCS |   |  | DCT TESAT H530 LASUD Q293 AKUMI Q147 VOMPA Q499 NONUM J64 CS DCT<br>If R570B or D active:<br>DCT TESAT H530 KABIX Q147 VOMPA Q499 NONUM J64 CS DCT |
| YSSY | YBHM |   |  | DCT TESAT H530 LASUD Q238 DUPUG Q141 OVRON DCT<br>If R570B or D active:<br>DCT TESAT H530 KABIX Q141 OVRON DCT                                     |
| YSSY | YBSU | # |  | DCT TESAT H252 OLSEM Y193 BANDA H252 GOMOL Q69 SU DCT<br>(level requirements apply - refer <i>AIP DAP</i> Sydney Departure Procedures)             |
|      |      |   |  | DCT OLSEM Y193 BANDA H252 GOMOL Q69 SU DCT<br>(level requirements apply - refer <i>AIP DAP</i> Sydney Departure Procedures)                        |
|      |      | # |  | DCT TESAT H252 UPNEX H140 IDNER W214 GOMOL Q69 SU DCT                                                                                              |
|      |      |   |  | DCT UPNEX H140 IDNER W214 GOMOL Q69 SU DCT                                                                                                         |

|      |      |   |    |                                                                                                                                |
|------|------|---|----|--------------------------------------------------------------------------------------------------------------------------------|
| YSSY | YBNA |   | L3 | DCT TESAT V140 WLM V535 NICLA W446 KADSI W196 BNA DCT                                                                          |
|      |      |   |    | DCT KAMBA V140 WLM V535 NICLA W446 KADSI W196 BNA DCT                                                                          |
|      |      | # |    | DCT TESAT H252 OLSEM Y193 BNA DCT<br>(Level requirements apply - refer <i>AIP DAP</i> Sydney Departure Procedures)             |
|      |      |   |    | DCT OLSEM Y193 BNA DCT (Level requirements apply - refer <i>AIP DAP</i> )                                                      |
| YSSY | YBTH |   |    | DCT TESAT A576 KADOM W386 BTH DCT                                                                                              |
|      |      |   |    | DCT KADOM W386 BTH DCT                                                                                                         |
| YSSY | YBTL |   |    | DCT TESAT H530 LASUD Q293 AKUMI Q147 VOMPA Q165 TL DCT<br>If R570B or D active:<br>DCT TESAT H530 KABIX Q147 VOMPA Q165 TL DCT |
|      |      |   |    | DCT RIC H530 KABIX Q147 VOMPA TL DCT                                                                                           |
| YSSY | YBWW | > | L1 | DCT TESAT V140 KAMBA V258 MATLA W347 MASMI Y24 UDERI DCT                                                                       |
|      |      | % | H1 | DCT TESAT RIC H530 MUDGI H66 TW EMTID Y27 EDPEG<br>DCT LAREG Y24 UDERI DCT (expect requirement FL240 by MUDGI)                 |
| YSSY | YCFS | # |    | DCT TESAT H252 UPNEX H140 MATLA BANDA CFS DCT                                                                                  |
|      |      |   |    | AT or ABV A100 DCT UPNEX H252 WLM V535 NICLA V652 CFS DCT                                                                      |
|      |      |   |    | DCT TESAT H252 OLSEM Y193 BANDA J70 CFS DCT<br>(level requirements apply - refer <i>AIP DAP</i> Sydney Departure Procedures)   |
|      |      |   |    | DCT OLSEM Y193 BANDA J70 CFS DCT<br>(Level requirements apply - refer <i>AIP DAP</i> Sydney Departure Procedures)              |
|      |      |   |    | DCT KAMBA V140 WLM V535 NICLA V652 CFS DCT                                                                                     |
| YSSY | YCOM |   | L1 | DCT TESAT V169 PEGSU V20 COM DCT                                                                                               |
|      |      |   |    | DCT PEGSU V20 COM DCT                                                                                                          |
| YSSY | YCWR |   |    | DCT TESAT A576 KADOM H44 CWR DCT                                                                                               |
|      |      |   |    | DCT KADOM H44 CWR DCT                                                                                                          |
| YSSY | YGDH |   |    | DCT TESAT V140 KAMBA V258 MATLA V258 EKIBI NIXUG W572 OLRON DCT                                                                |
| YSSY | YGFN |   |    | AT or ABV A100 DCT TESAT V140 KAMBA V258 MATLA H140 LOSKU W334 GFN DCT                                                         |
|      |      |   |    | AT or ABV A100 DCT KAMBA V258 MATLA H140 LOSKU W334 GFN DCT                                                                    |
| YSSY | YGLA | % |    | DCT TESAT H252 OLSEM Y193 BANDA H252 BN Q67 GLA DCT<br>(Level requirements apply - refer to <i>AIP DAP</i> )                   |
|      |      |   |    | DCT OLSEM Y193 BANDA H252 BN Q67 GLA DCT<br>(Level requirements apply - refer to <i>AIP DAP</i> )                              |
|      |      |   |    | DCT TESAT V140 CFS W214 GOMOL W196 DULIN W189 BN V308 SAGLI W231 GLA DCT                                                       |
| YSSY | YGLI |   |    | DCT TESAT V140 KAMBA V258 MATLA W347 MASMI DCT                                                                                 |
|      |      |   |    | DCT KAMBA V258 MATLA W347 MASMI DCT                                                                                            |

|      |      |   |    |                                                                    |
|------|------|---|----|--------------------------------------------------------------------|
| YSSY | YHBA |   |    | DCT TESAT H252 OLSEM Y193 BANDA H252 GOMOL Q69 ITIDE T55 HAAVI DCT |
|      |      |   |    | DCT OLSEM Y193 BANDA H252 GOMOL Q69 ITIDE T55 LEEFL DCT            |
| YSSY | YHOT |   | L1 | DCT TESAT V169 CB W222 OMBIS DCT                                   |
| YSSY | YLHI | # |    | DCT TESAT B450 LHI DCT                                             |
|      |      |   |    | DCT NOBAR B450 LHI DCT                                             |
|      |      | # |    | DCT TESAT G595 GUTIV ABARB B450 LHI DCT                            |
|      |      |   |    | DCT DIPSO G595 GUTIV ABARB B450 LHI DCT                            |
| YSSY | YLIS |   |    | DCT TESAT V140 KAMBA V258 MATLA H140 IDNER W598 RIDVO DCT          |
|      |      |   |    | DCT KAMBA V258 MATLA H140 IDNER W598 RIDVO DCT                     |
| YSSY | YMAV |   |    | DCT TESAT H65 LEECE Q29 ML W15 AV DCT                              |
|      |      |   |    | DCT WOL H65 LEECE Q29 ML W15 AV DCT                                |
| YSSY | YMAV | > |    | DCT TESAT V169 CB J42 AY DCT                                       |
|      |      |   |    | DCT PEGSU V169 CB J42 AY DCT                                       |
|      |      |   |    | DCT TESAT H65 WOL J42 AY DCT                                       |
|      |      |   |    | DCT WOL J42 AY DCT                                                 |
| YSSY | YMDG |   |    | DCT TESAT H530 MUDGI DCT                                           |
|      |      |   |    | DCT RIC H530 MUDGI DCT                                             |
| YSSY | YMEN | > |    | DCT TESAT V169 TEMIS W188 COLDS V512 ESDAN DCT                     |
|      |      |   |    | DCT PEGSU V169 TEMIS W188 COLDS V512 ESDAN DCT                     |
|      |      |   |    | DCT TESAT H65 LEECE Q29 LUVAS Q205 COLDS V512 ESDAN DCT            |
|      |      |   |    | DCT WOL H65 LEECE Q29 LUVAS Q205 COLDS V512 ESDAN DCT              |
| YSSY | YMHB |   |    | DCT TESAT H65 WOL H20 MOTRA W407 TASUM DCT                         |
|      |      |   |    | DCT WOL H20 MOTRA W407 TASUM DCT                                   |
| YSSY | YMLT |   |    | DCT TESAT H65 WOL H20 OTKED J22 LT DCT                             |
|      |      |   |    | DCT WOL H20 OTKED J22 LT DCT                                       |
| YSSY | YMMB |   | L2 | DCT TESAT V169 PEGSU V20 TEMIS W188 MB DCT                         |
|      |      |   |    | DCT PEGSU V20 TEMIS W188 MB DCT                                    |
| YSSY | YMML | > |    | DCT TESAT V169 ML DCT                                              |
|      |      |   |    | DCT PEGSU V169 ML DCT                                              |
|      |      |   |    | DCT TESAT H65 LEECE Q29 ML DCT                                     |
|      |      |   |    | DCT WOL H65 LEECE Q29 ML DCT                                       |
|      |      |   | L2 | DCT TESAT V169 PEGSU V20 TEMIS V169 ML DCT                         |
| YSSY | YMND |   |    | DCT TESAT V140 KAMBA V258 MATLA DCT                                |
|      |      |   |    | DCT KAMBA V258 MATLA DCT                                           |
| YSSY | YMRV |   |    | DCT TESAT H65 WOL H20 NWA W436 URBOB DCT                           |
|      |      |   |    | DCT WOL H20 NWA W436 URBOB DCT                                     |
|      |      | > |    | DCT TESAT V169 PEGSU V501 NWA W436 URBOB DCT                       |
|      |      |   |    | DCT PEGSU V501 NWA W436 URBOB DCT                                  |
| YSSY | YNAR |   |    | DCT TESAT A576 KADOM H44 LIDLI W755 VINOP                          |
| YSSY | YNBR |   |    | DCT TESAT V140 KAMBA V258 NBR DCT                                  |

|      |      |   |    |                                                                                                              |
|------|------|---|----|--------------------------------------------------------------------------------------------------------------|
| YSSY | YORG |   |    | DCT TESAT A576 KADOM W595 VIRUR DCT                                                                          |
|      |      |   |    | DCT KADOM W595 VIRUR DCT                                                                                     |
| YSSY | YPAD | > |    | DCT TESAT A576 KADOM H44 BORLI W451 MIA H309 AD DCT                                                          |
|      |      |   |    | DCT TESAT A576 KADOM H44 MAXEM Q60 KAKLU H309 AD DCT                                                         |
| YSSY | YPDN |   |    | DCT TESAT H530 IVRAD Q57 MIGAX A464 TN Q23 DN DCT                                                            |
| YSSY | YPMQ | > |    | DCT TESAT V140 WLM V535 NICLA V652 PMQ DCT                                                                   |
|      |      |   |    | DCT KAMBA V140 WLM V535 NICLA V652 PMQ DCT                                                                   |
|      |      |   |    | DCT TESAT H252 WLM V535 NICLA V652 PMQ DCT                                                                   |
|      |      |   |    | DCT WLM V535 NICLA V652 PMQ DCT                                                                              |
| YSSY | YPPH |   | H1 | DCT TESAT A576 KADOM H44 AD Q33 ESP Q158 PH DCT                                                              |
|      |      |   |    | DCT KADOM H44 AD Q33 ESP Q158 PH DCT                                                                         |
|      |      |   | H2 | DCT TESAT A576 KADOM H44 BORLI J21 MUBID Q10 MALUP Q158 PH DCT                                               |
|      |      |   |    | DCT KADOM H44 BORLI J21 MUBID Q10 MALUP Q158 PH DCT                                                          |
|      |      |   | H3 | DCT TESAT A576 KADOM H44 BORLI Q32 NODEV Q10 MALUP Q158 PH DCT                                               |
|      |      |   |    | DCT KADOM H44 BORLI Q32 NODEV Q10 MALUP Q158 PH DCT                                                          |
|      |      |   | H4 | DCT TESAT H65 WOL J42 CB J142 BORTO Q22 NODUR Q158 PH DCT                                                    |
|      |      |   |    | DCT WOL J42 CB J142 BORTO Q22 NODUR Q158 PH DCT                                                              |
| YSSY | YSCB | > |    | DCT TESAT V169 CB DCT                                                                                        |
|      |      |   |    | DCT PEGSU V169 CB DCT                                                                                        |
|      |      |   |    | DCT TESAT H65 CB DCT                                                                                         |
|      |      |   |    | DCT WOL H65 CB DCT                                                                                           |
| YSSY | YSDU |   |    | DCT TESAT V295 DU DCT                                                                                        |
| YSSY | YSNF |   |    | DCT TESAT B450 NF DCT                                                                                        |
|      |      |   |    | DCT NOBAR B450 NF DCT                                                                                        |
|      |      |   |    | DCT TESAT G595 GUTIV ABARB B450 NF DCT                                                                       |
|      |      |   |    | DCT DIPSO G595 GUTIV ABARB B450 NF DCT                                                                       |
| YSSY | YSTW |   |    | AT or ABV A100 DCT TESAT V140 KAMBA V258 TW DCT                                                              |
| YSSY | YSWG |   | L1 | DCT TESAT V169 EXETA W10 WG DCT                                                                              |
|      |      |   |    | DCT PEGSU V169 EXETA W10 WG DCT                                                                              |
| YSSY | YTRE | > |    | DCT TESAT V140 WLM V535 NICLA DCT UGPOT DCT                                                                  |
|      |      |   |    | DCT KAMBA V140 WLM V535 NICLA DCT UGPOT DCT                                                                  |
| YSSY | YWLM |   |    | DCT TESAT H252 WLM DCT                                                                                       |
|      |      | > |    | DCT KAMBA DCT OVLUX WLM DCT                                                                                  |
| YSSY | YWWL |   | L1 | DCT TESAT A576 KADOM H44 CWR BUGNI DCT                                                                       |
|      |      |   |    | DCT KADOM H44 CWR BUGNI DCT                                                                                  |
| YSTW | YSBK |   |    | DCT TW W183 LALIB V531 ISREV Q155 RIC V11 BK DCT<br>If R560 active:<br>DCT TW W130 UBL0M Q155 RIC V11 BK DCT |
| YSTW | YSSY |   |    | DCT TW W130 OLTIN W786 TESAT DCT                                                                             |

|      |      |   |    |                                                                |
|------|------|---|----|----------------------------------------------------------------|
| YSWG | YMML |   |    | DCT WG W638 AY V147 TEMIS V169 ML DCT                          |
| YSWG | YSSY |   |    | DCT WG W113 TESAT DCT                                          |
|      |      |   |    | DCT WG W113 ODALE DCT                                          |
| YTNG | YBBN |   |    | DCT RUROX W727 SUSGI V307 BN DCT                               |
| YTRE | YSBK |   |    | DCT UGPOT V672 SORTI W656 OLTIN V543 DUUKE Q155 RIC V11 BK DCT |
| YTRE | YSSY |   |    | DCT UGPOT V672 SORTI W656 OLTIN W786 TESAT DCT                 |
| YTRE | YWLM | # |    | DCT UGPOT V672 LAXUM WLM DCT (Refer <i>GEN-FPR para 1</i> )    |
|      |      | # |    | DCT UGPOT DCT SORTI DCT LAXUM WLM DCT                          |
| YTWB | YBCV |   |    | DCT BIVAT Q303 MESED Q484 LIKTO DCT                            |
| YWDG | YPPH | > |    | DCT KELLA Z38 PH DCT                                           |
| YWGA | YPPH |   |    | DCT GOOTA Q9 AVPAL Q38 JULIM PH DCT                            |
| YWHA | YPAD |   |    | DCT WHA H84 AD DCT                                             |
| YWLM | YBBN |   |    | DCT WLM UBSON NICLA BANDA H252 BN DCT                          |
| YWLM | YBCG | # |    | DCT WLM V535 LOSKU H140 IDNER W598 RIDVO GOMOL DCT             |
|      |      | # |    | DCT WLM V535 NICLA BANDA Y43 GOMOL DCT                         |
| YWLM | YCFS |   |    | DCT WLM V535 NICLA W446 KADSI W196 CFS DCT                     |
|      |      | # |    | DCT WLM W603 UGPOT W196 CFS DCT                                |
| YWLM | YMDG |   |    | DCT WLM MONDO IDSUP H530 MUDGI DCT                             |
| YWLM | YPMQ |   |    | DCT WLM V535 NICLA V652 PMQ DCT                                |
|      |      | # |    | DCT WLM W603 UGPOT V652 PMQ DCT                                |
| YWLM | YSBK |   |    | DCT WLM MONDO AKTEG RUNNA Q155 RIC V11 BK DCT                  |
| YWLM | YSCB | > |    | DCT WLM MONDO W786 TESAT V169 CB                               |
|      |      |   |    | DCT WLM LIMLO H536 OMLAV Q15 WOL H65 CB DCT                    |
| YWLM | YSSY | > |    | DCT WLM MONDO W786 TESAT DCT                                   |
|      |      |   |    | DCT WLM MONDO AKTEG BOREE H652 TESAT DCT                       |
| YWLM | YTRE | # |    | DCT WLM W603 UGPOT DCT (Refer <i>GEN-FPR para 1</i> )          |
|      |      | # |    | DCT WLM V535 NICLA V652 UGPOT DCT                              |
| YWLU | YPPH |   |    | DCT WLU LIRRI Z74 OVLUK V16 WOORA Q38 PH DCT                   |
| YWSL | YMEN |   |    | DCT DUNNE V434 MONTY V512 ESDAN DCT                            |
| YWWL | YSSY |   | L1 | DCT BUGNI CWR W168 AKMIR W113 TESAT DCT                        |
|      |      |   |    | DCT BUGNI CWR W168 AKMIR W113 ODALE DCT                        |
| YWYY | YMML |   |    | DCT WYY V294 ONAGI H215 WARREN W687 ML DCT                     |

**10. FLIGHT PLANNING - PREFERRED ROUTES - MILITARY**

The following preferred routes are AVBL for military aircraft only.

|      |       |   |    |                                                                                                                                                            |
|------|-------|---|----|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FJDG | YPCC  |   |    | NKW GUDUG UBNIS NOLAS CC DCT                                                                                                                               |
| FJDG | YPDN  |   |    | NKW GUDUG UBNIS NOLAS CC SADUD METUM PEDSA<br>PUPIV KU J72 DN DCT                                                                                          |
| FJDG | YPEA  |   |    | NKW KALBI PANDU DUBAG 184500.0S 0900000.0E<br>214200.0S 0950000.0E 242400.0S 1000000.0E<br>265000.0S 1050000.0E MERIB T12 PH W839 PEA DCT                  |
| YAMB | YBTL  |   | L2 | DCT DULIN W196 UNVAT W270 EML W766 LUKPU W232 TL<br>DCT                                                                                                    |
|      |       |   |    | DCT DULIN W196 UNVAT VOMPA Q165 TL DCT                                                                                                                     |
| YAMB | YMES  |   | H1 | DCT TATEN ISKIM Q35 PKS W703 CWR W137 CB W290<br>ESL DCT                                                                                                   |
|      |       |   | H2 | DCT TATEN APAGI H91 ADMAR Q78 OLTIN W786 TESAT<br>H65 CB W290 ESL DCT                                                                                      |
| YAMB | YMMML |   | H1 | DCT TATEN ISKIM Q35 CANTY H119 ML DCT                                                                                                                      |
| YAMB | YPDN  | # |    | DCT DULIN W196 UNVAT A464 TN Q23 DN DCT                                                                                                                    |
|      |       | # |    | DCT IBUNA Q473 IGUPI V129 EML T13 NTN J138<br>SURVO Q95 BEBEN Q91 ALLEE Q23 DN DCT                                                                         |
| YAMB | YPEA  | # |    | DCT BOBOP Q4 IDBUG Q42 ANROM T33 LEC J141 KG Q41<br>MALUP Q158 PH W839 PEA DCT                                                                             |
| YAMB | YPED  |   | H1 | DCT BOBOP Q4 PAVBI Q16 MIA Q4 WOONA Q60 KAKLU<br>H309 AD W142 DOLVU DCT<br>If R570C or D active:<br>DCT BOBOP Q4 WOONA Q60 KAKLU H309 AD W142<br>DOLVU DCT |
| YAMB | YPLM  |   | H1 | DCT MESED LIKTO ROM T11 PULOL Q36 ANGAS V656<br>AYE T44 NONAX NWN PBO LM DCT                                                                               |
| YAMB | YPTN  |   |    | DCT DULIN W196 UNVAT A464 TN DCT                                                                                                                           |
| YAMB | YSCB  |   | H1 | DCT TATEN ISKIM Q35 PKS W703 CWR W137 CB DCT                                                                                                               |
|      |       |   | H2 | DCT TATEN APAGI H91 ADMAR Q78 OLTIN W786 TESAT<br>H65 CB DCT                                                                                               |
| YAMB | YSRI  |   | H1 | DCT TATEN APAGI H91 IGDAM DUUKE Q155 RIC DCT                                                                                                               |
| YAMB | YSSY  |   | H1 | DCT TATEN APAGI H91 IGDAM H652 TESAT DCT                                                                                                                   |
| YAMB | YWLM  |   | H1 | DCT TATEN APAGI H91 SANAD V779 LAXUM WLM DCT                                                                                                               |
| YBAS | YPTN  |   |    | DCT AS J251 TN DCT                                                                                                                                         |
| YBAS | YSCB  |   | H1 | DCT AS A576 PKS W703 CWR W137 CB DCT                                                                                                                       |
| YBAS | YSCB  |   | H2 | DCT AS A461 LEC W428 BHI DCT BORLI W266 CB DCT                                                                                                             |
| YBCS | YSCB  |   | H3 | DCT CS Y177 AKROM Y153 ROKUU H652 TESAT H65 CB<br>DCT                                                                                                      |
| YBMA | YPTN  |   | L2 | DCT MA NITUN Q57 MIGAX A464 TN DCT                                                                                                                         |
| YBMA | YSCB  |   | H1 | DCT MA OKVAR Y139 IGNIX DCT MIMIB DCT ENPAG H319<br>PKS W703 CWR W137 CB DCT                                                                               |
| YBRM | YSCB  |   | H1 | DCT BRM G222 PKS W703 CWR W137 CB DCT                                                                                                                      |
|      |       |   | H2 | DCT BRM T20 WENER T21 LEC W428 BHI BORLI W266 CB<br>DCT                                                                                                    |
|      |       |   | H3 | DCT BRM T20 RUSAD DCT WHA J21 BORLI W266 CB DCT                                                                                                            |



|      |      |   |    |                                                                                           |
|------|------|---|----|-------------------------------------------------------------------------------------------|
| YBRM | YSSY |   | H1 | DCT BRM G222 VAGPO Y71 VELGI Y105 TARAL Y59 TESAT DCT                                     |
|      |      |   |    | DCT BRM G222 VAGPO Y71 VELGI Y105 TARAL Y59 RIVET DCT                                     |
|      |      |   | H2 | DCT BRM T20 WENER T21 LEC J141 NEWMO H39 VELGI Y105 TARAL Y59 TESAT DCT                   |
|      |      |   |    | DCT BRM T20 WENER T21 LEC J141 NEWMO H39 VELGI Y105 TARAL Y59 RIVET DCT                   |
|      |      |   | H3 | DCT BRM T20 RUSAD WHA J21 BORLI H205 CULIN Y59 TESAT DCT                                  |
|      |      |   |    | DCT BRM T20 RUSAD WHA J21 BORLI H205 CULIN Y59 RIVET DCT                                  |
| YBSG | YPDN |   | H1 | DCT WP GV J151 TUSTU GATOR DN DCT                                                         |
| YBSU | YBBN |   | H1 | DCT SU Q35 MUDDL BN DCT                                                                   |
| YBSU | YSCB |   | H1 | DCT SU Q35 SANEG H91 IGDAM H652 TESAT H65 CB DCT                                          |
| YBTL | YAMB |   | H1 | DCT TL W258 LINSU W228 COCKA Y177 BESBO DULIN DCT                                         |
| YBTL | YPEA |   | H1 | DCT TL J184 MA J64 AS W408 AYE Q41 MALUP Q158 PH W839 PEA DCT                             |
| YBTL | YPED |   | H1 | DCT TL Q30 MATAR KANGI DOVUB APOMA BHI W325 AD W142 DOLVU DCT                             |
| YBTL | YSRI |   |    | DCT TL W258 JEMMA Y153 ROKUU H652 LALIB V531 ISREV Q155 RIC DCT                           |
| YBTL | YSCB |   | H3 | DCT TL W258 JEMMA Y153 ROKUU H652 TESAT V169 CB DCT                                       |
|      |      |   | H2 | DCT TL Q30 MATAR Y33 SAPNO ENPAG H319 PKS W703 CWR W137 CB DCT                            |
| YBTL | YWLM |   | H1 | DCT TL W258 JEMMA Y153 ROKUU H652 OVNOM W542 TW V417 LAXUM WLM DCT                        |
| YMES | YBTL | # |    | DCT ESL W118 AY W638 PKS VAMSO DCT KABIX DCT SGE W499 ROM W613 EML W766 LUKPU W232 TL DCT |
|      |      |   | H1 | DCT ESL W649 MNG Q76 LAKOT Y80 VOMPA Q165 TL DCT                                          |
| YMES | YSCB |   |    | DCT ESL W290 CB DCT                                                                       |
| YMES | YMES | # |    | DEPARTURE: DCT ESL [LANOS, TAVET, NOLOX or DUNNE]<br>DCT FIRST POINT OUTSIDE R360/M301    |
|      |      | # |    | ARRIVAL: LAST POINT OUTSIDE R360/M301 DCT [GIPPS, PUKIM, RUPOD or ENBUB] ESL DCT          |
| YMES | YSRI | # |    | DCT ESL W290 CB W122 AKMIR W713 KADOM W368 RIC DCT                                        |
| YMES | YHMB |   |    | DCT ESL W407 TASUM DCT                                                                    |
| YMES | YMML | # | L2 | DCT ESL V434 MONTY ML DCT                                                                 |
|      |      |   | L3 | DCT ESL W809 MOZZA V588 MONTY ML DCT                                                      |
| YMES | YSSY |   | L1 | DCT ESL W290 CB W423 CULIN Y59 TESAT DCT                                                  |
|      |      |   |    | DCT ESL W290 CB W423 CULIN Y59 RIVET DCT                                                  |
| YHMB | YMES |   | L1 | DCT TASUM H111 LT W218 ESL DCT                                                            |
| YMML | YMES |   | L1 | DCT ML W687 WARREN W449 ESL DCT                                                           |
| YPCC | FJDG |   |    | DCT CC NOLAS UBNIS GUDUG NKW DCT                                                          |
| YPCC | YPDN |   |    | DCT CC SADUD METUM PEDSA PUPIV KU J72 DN DCT                                              |

|      |      |    |    |                                                                                                                                         |
|------|------|----|----|-----------------------------------------------------------------------------------------------------------------------------------------|
| YPCC | YPMX |    |    | DCT CC G200 XMX DCT                                                                                                                     |
| YPCC | YPAD |    | H1 | DCT CC T41 LM N640 AD DCT                                                                                                               |
|      |      |    | H2 | DCT CC M641 MERIB T12 PH H18 BURGU Y135 DADRU Y39 ATNAR N640 AD DCT                                                                     |
| YPDN | FJDG | @  |    | DCT DN HELLI J151 IRPOM PEDSA METUM SADUD CC NOLAS UBNIS GUDUG NKW DCT                                                                  |
| YPDN | YAMB | @  | H2 | DCT DN Y25 OPEKO A464 UNVAT W196 DULIN DCT                                                                                              |
|      |      | >  |    | DCT DN J251 TN A464 UNVAT W196 DULIN DCT                                                                                                |
| YPDN | YBSG | >  | H1 | DCT DN VANDI TUSTU J151 GV WP DCT                                                                                                       |
| YPDN | YPAD | @  |    | DCT DN Y25 BEBUX Y83 GREGA J251 WHA H84 AD DCT                                                                                          |
| YPDN | YPCC | @  |    | DCT DN J151 IRPOM PEDSA METUM SADUD CC DCT                                                                                              |
| YPDN | YPEA | >  | H1 | DCT DN W287 LEVRI KU J72 ARG T63 BIDAP Q25 DALWU Q38 PH W839 PEA DCT                                                                    |
|      |      | @  |    | DCT DN HELLI J151 IRPOM KU J72 ARG T63 BIDAP Q25 DALWU Q38 PH W839 PEA DCT                                                              |
| YPDN | YPED | @  | H1 | DCT DN Y25 BEBUX Y83 GREGA J251 WHA H84 AD W142 DOLVU DCT                                                                               |
|      |      | >  |    | DCT DN J251 WHA H84 AD W142 DOLVU DCT                                                                                                   |
| YPDN | YPPH | @  | H1 | DCT DN J151 IRPOM KU J72 ARG T63 BIDAP Q25 DALWU Q38 PH DCT                                                                             |
|      |      | @  | H2 | DCT DN J151 CIN W257 NWN Q38 PH DCT                                                                                                     |
|      |      | @  | H3 | DCT DN J151 IRPOM KU T27 VALRA W121 NWN Q38 PH DCT                                                                                      |
| YPDN | YSCB | @  | H1 | DCT DN Y25 BEBUX T74 ENPAG H319 PKS W703 CWR W137 CB DCT                                                                                |
|      |      | @  | H2 | DCT DN Y25 DOSAM J30 TNK T25 BHI BORLI W266 CB                                                                                          |
| YPDN | YSRI | @# |    | DCT DN Y25 BEBUX T74 ENPAG W535 BTH W460 RIC DCT                                                                                        |
|      |      | >  |    | DCT DN J251 TN BEBUX T74 ENPAG W535 BTH W460 RIC DCT                                                                                    |
| YPDN | YSSY | @  | H2 | DCT DN Y25 DOSAM J30 TNK T25 GUGAB G222 VAGPO Y71 VELGI Y105 TARAL Y59 TESAT DCT                                                        |
|      |      | @  |    | DCT DN Y25 DOSAM J30 TNK T25 GUGAB G222 VAGPO Y71 VELGI Y105 TARAL Y59 RIVET DCT                                                        |
| YPDN | YWLM | @  | H1 | DCT DN Y25 OPEKO A464 MIGAX Y139 IGNIX Y161 OVNOM W542 TW V417 LAXUM WLM DCT                                                            |
|      |      | >  |    | DCT DN J251 TN A464 MIGAX Y139 IGNIX Y161 OVNOM W542 TW V417 LAXUM WLM DCT                                                              |
| YPEA | FJDG |    |    | DCT PEA W839 PH T12 MERIB 265000.0S 1050000.0E 242400.0S 1000000.0E 214200.0S 0950000.0E 184500.0S 0900000.0E DUBAG PANDU KALBI NKW DCT |
| YPEA | YAMB | @  | H1 | DCT PEA W839 PH Y31 LAKIR Y69 BOSLI Y67 KG J141 LEC Y94 PARRY Y195 DULIN DCT                                                            |
|      |      |    |    | DCT PEA W839 PH Z19 REPOK Z87 AVGIK Z23 KATCM Z67 YAHMO Y67 KG J141 LEC Y94 PARRY Y195 DULIN DCT                                        |
| YPEA | YBTL | @  | H1 | DCT PEA W839 PH Y31 LAKIR Y69 UPRUN W408 AS J64 MA J184 TL DCT                                                                          |
|      |      |    |    | DCT PEA W839 PH Z19 REPOK Z87 AVGIK Z23 KATCM Z83 YOKRA Y69 UPRUN W408 AS J64 MA J184 TL DCT                                            |

|      |      |   |    |                                                                                                                                                                                     |
|------|------|---|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| YPEA | YPED | @ | H1 | DCT PEA W839 PH H18 MUBID J21 ISLAV N640 AD W142 DOLVU DCT                                                                                                                          |
|      |      |   |    | DCT PEA W839 PH Z44 PUMRY BURGU H18 MUBID J21 ISLAV N640 AD W142 DOLVU DCT                                                                                                          |
| YPEA | YPLM |   |    | DCT PEA W839 PH Y15 AVNEX H16 LM DCT                                                                                                                                                |
| YPEA | YSNW | @ | H1 | DCT PEA W839 PH H18 MUBID J21 BORLI H205 CULIN NWA DCT                                                                                                                              |
|      |      |   |    | DCT PEA W839 PH Z44 PUMRY BURGU H18 MUBID J21 BORLI H205 CULIN NWA DCT                                                                                                              |
| YPEA | YMES | @ | H1 | DCT PEA W839 PH H18 BURGU Y53 WENDY TEMPL W449 ESL DCT                                                                                                                              |
|      |      |   |    | DCT PEA W839 PH Z44 PUMRY BURGU Y53 WENDY TEMPL W449 ESL DCT                                                                                                                        |
| YPEA | YPDN | @ | H1 | DCT PEA W839 PH Y31 MANIG Y36 BIDAP T63 ARG J72 DN DCT                                                                                                                              |
|      |      |   |    | DCT PEA W839 PH Z19 REPOK Z87 ENGUD Y36 BIDAP T63 ARG J72 DN DCT                                                                                                                    |
| YPEA | YSRI | @ | H1 | DCT PEA W839 PH Y31 LAKIR Y69 BOSLI Y67 KG J141 PKS W460 RIC DCT                                                                                                                    |
| YPEA | YSRI | @ | H2 | DCT PEA W839 PH H18 MUBID J21 BORLI H205 CULIN KADOM W368 RIC DCT                                                                                                                   |
| YPEA | YSRI | @ | H3 | DCT PEA W839 PH H18 BURGU Y135 TEDUS J15 AD H247 CULIN KADOM W368 RIC DCT                                                                                                           |
| YPEA | YSRI | @ | H4 | DCT PEA W839 PH H18 BURGU Y53 RUFLE T131BORTO J142 NONUP Y59 CULIN KADOM W368 RIC DCT                                                                                               |
| YPEA | YSRI | @ | H5 | DCT PEA W839 PH H18 BURGU Y53 MEMUP Y87 TAPAX T134 SUBUM T8 AY J42 ARRAN Y59 CULIN KADOM W368 RIC DCT                                                                               |
| YPEA | YSRI |   | L1 | DCT PEA W839 PH Z19 REPOK Z87 AVGIK Z23 KATCM Z67 YAHMO Y67 KG J141 PKS W460 RIC DCT                                                                                                |
| YPEA | YSRI |   | L2 | DCT PEA W839 PH Z44 PUMRY BURGU H18 MUBID J21 BORLI H205 CULIN KADOM W368 RIC DCT                                                                                                   |
| YPED | YAMB |   |    | DCT DOLVU W142 AD V361 MIA CBA AGETA W623 IVL W749 DULIN DCT<br>If R570C or D active:<br>DCT DOLVU W142 AD V361 MIA CBA VERAV Y27 EDPEG PUGON PARRY Y195 DULIN DCT                  |
| YPED | YAMB |   | H1 | DCT DOLVU W142 AD V361 UPROT Y27 IGIPA Y46 EMTID Y27 EDPEG PUGON PARRY Y195 DULIN DCT<br>If R570C or D active:<br>DCT DOLVU W142 AD V361 UPROT Y27 EDPEG PUGON PARRY Y195 DULIN DCT |
| YPED | YBTL |   |    | DCT DOLVU W142 AD W426 BHI W325 IDKEG DCT WDH LRE W660 TL DCT                                                                                                                       |
| YPED | YMES |   | H1 | DCT DOLVU W142 AD V255 BENDO Y12 ARBEY H119 ML Y260 CORRS ESL DCT                                                                                                                   |
| YPED | YPDN |   | H1 | DCT DOLVU W142 AD A585 AREPA J58 WHA J251 TN Q23 DN DCT                                                                                                                             |
| YPED | YPDN | > |    | DCT DOLVU W142 AD W238 RUKNA W142 WHA J251 TN Q23 DN DCT                                                                                                                            |

|      |      |   |    |                                                                                               |
|------|------|---|----|-----------------------------------------------------------------------------------------------|
| YPED | YPEA | % |    | DCT DOLVU W142 AD A585 AREPA H54 KAMBI Q32<br>NODEV Q10 MALUP Q158 PH W839 PEA DCT            |
|      |      | # |    | DCT DOLVU W142 AD A585 AREPA H54 KAMBI N640 ISLAV<br>J21 MUBID Q10 MALUP Q158 PH W839 PEA DCT |
| YPED | YPLM |   | H1 | DCT DOLVU W142 AD A585 AREPA H54 KAMBI N640 LM<br>DCT                                         |
| YPED | YPTN |   | H1 | DCT DOLVU W142 AD A585 AREPA J58 WHA J251 TN DCT                                              |
| YPED | YPTN | > |    | DCT DOLVU W142 AD W238 RUKNA W142 WHA J251 TN<br>DCT                                          |
| YPED | YSCB |   | H1 | DCT DOLVU W142 AD H247 NATYA H21 WG W148 CB DCT                                               |
| YPED | YSNW |   | H1 | DCT DOLVU W142 AD H247 CULIN GLB W724 NWA DCT                                                 |
| YPED | YSRI |   |    | DCT DOLVU W142 AD H247 NATYA W762 VINOP W419 BTH<br>W460 RIC DCT                              |
| YPED | YWLM |   | H1 | DCT DOLVU W142 AD H247 CULIN Y59 TESAT H252 WLM<br>DCT                                        |
| YPKG | YSCB |   | H2 | DCT KG T97 KAMBI N640 AD V255 BENDO H36 NONUP<br>J142 CB DCT                                  |
| YPLM | YPEA |   |    | DCT LM Y207 BORVI B469 TOPIR L514 AVPAL Q38 PH<br>W839 PEA DCT                                |
| YPLM | YSRI |   | H2 | DCT LM W321 NWN BIDAP WENER T21 LEC J141 PKS<br>A576 KADOM W368 RIC DCT                       |
| YPPD | YSCB |   | H1 | DCT PD A585 AD V255 BENDO H36 NONUP J142 CB DCT                                               |
|      |      |   | H2 | DCT PD T21 LEC J141 PKS W703 CWR W137 CB DCT                                                  |
|      |      |   | H3 | DCT PD A585 CDU J149 WHA J21 BORLI W266 CB DCT                                                |
|      |      |   | H4 | DCT PD T21 LEC W428 BHI DCT BORLI W266 CB DCT                                                 |
| YPPD | YSSY |   | H1 | DCT PD A585 AD H247 CULIN Y59 TESAT DCT                                                       |
|      |      |   |    | DCT PD A585 AD H247 CULIN Y59 RIVET DCT                                                       |
|      |      |   | H2 | DCT PD A585 CDU J149 WHA J21 BORLI H205 CULIN Y59<br>TESAT DCT                                |
|      |      |   |    | DCT PD A585 CDU J149 WHA J21 BORLI H205 CULIN Y59<br>RIVET DCT                                |
| YPPH | YPCC |   | L1 | DCT PH T12 MERIB M641 CC DCT                                                                  |
| YPTN | YAMB |   | H2 | DCT TN A464 UNVAT W196 DULIN DCT                                                              |
| YPTN | YBMA |   | L1 | DCT TN A464 MIGAX Y139 LEMUD MA DCT                                                           |
| YPTN | YBTL |   |    | DCT TN NTN J138 TL DCT                                                                        |
| YPTN | YPED |   | H1 | DCT TN J251 WHA H84 AD W142 DOLVU DCT                                                         |
| YPTN | YSCB |   | H2 | DCT TN J30 TNK T25 BHI BORLI W266 CB DCT<br>DCT TN T74 ENPAG H319 PKS W703 CWR W137 CB DCT    |
| YPTN | YSRI |   |    | DCT TN T74 ENPAG W535 BTH W460 RIC DCT                                                        |
| YPTN | YWLM |   | H2 | DCT TN A464 MIGAX Y139 IGNIX Y161 OVNOM W542 TW<br>V417 LAXUM WLM DCT                         |
| YSCB | YAMB |   | H1 | DCT CB W137 AVBEG W184 MUDGI H66 TW W411 DULIN<br>DCT                                         |
| YSCB | YBAS |   | H1 | DCT CB W137 CWR W703 PKS A576 AS DCT                                                          |
| YSCB | YBMA |   | H1 | DCT CB W137 AVBEG W184 MUDGI H530 OKVAR MA DCT                                                |
| YSCB | YBSU |   | H1 | DCT CB W137 AVBEG W184 MUDGI H66 IDNER W214<br>GOMOL Q69 SU DCT                               |
| YSCB | YBRM |   | H1 | DCT CB W137 CWR W703 PKS A576 AS T11 BRM DCT                                                  |

|      |      |   |    |                                                                                                                                                                                                                             |
|------|------|---|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| YSCB | YMES |   |    | DCT CB W290 ESL DCT                                                                                                                                                                                                         |
| YSCB | YPED |   | H2 | DCT CB W148 WG Q60 KAKLU H309 AD W142 DOLVU DCT                                                                                                                                                                             |
| YSCB | YPLM |   | H1 | DCT CB W148 WG Q60 KAKLU H309 AD N640 LM DCT                                                                                                                                                                                |
|      |      |   | H2 | DCT CB W266 BORLI J21 WHA J149 CDU W486 FRT N640 LM DCT                                                                                                                                                                     |
| YSCB | YPPD |   | H1 | DCT CB W266 BORLI J21 WHA J149 CDU A585 PD DCT                                                                                                                                                                              |
|      |      |   | H2 | DCT CB W137 CWR W703 PKS J141 LEC T21 PD DCT                                                                                                                                                                                |
| YSCB | YPDN |   | H2 | DCT CB W137 CWR W703 ENPAG T74 TN Q23 DN DCT                                                                                                                                                                                |
| YSCB | YPKG |   | H1 | DCT CB W148 WG Q60 MAXEM H44 AD N640 KAMBI T97 KG DCT                                                                                                                                                                       |
| YSCB | YPTN |   | H1 | DCT CB W137 CWR W703 ENPAG T74 TN DCT                                                                                                                                                                                       |
|      |      |   | H2 | DCT CB W137 AVBEG W184 MUDGI H530 IVRAD Q57 MIGAX A464 TN DCT                                                                                                                                                               |
| YSCB | YSNF |   | I1 | DCT CB W423 CULIN Y59 TESAT G595 GUTIV ABARB B450 NF DCT                                                                                                                                                                    |
| YSCB | YSRI |   | H1 | DCT CB W423 CULIN KADOM W368 RIC DCT                                                                                                                                                                                        |
|      |      | > |    | DCT CB W122 AKMIR W713 KADOM W368 RIC DCT                                                                                                                                                                                   |
| YSCB | YSTW |   | H1 | DCT CB W423 CULIN Y59 TESAT H252 UPNEX H140 MATLA V258 TW DCT                                                                                                                                                               |
|      |      |   | H2 | DCT CB W137 AVBEG W184 MUDGI H66 TW DCT<br>(Not to be flight planned if R560 active)                                                                                                                                        |
| YSCB | YWLM |   | H1 | DCT CB W423 CULIN Y59 TESAT H252 WLM DCT                                                                                                                                                                                    |
| YSCB | YWLM |   | L1 | DCT CB W122 AKMIR W113 TESAT OVLUX WLM DCT                                                                                                                                                                                  |
| YSNW | YPEA |   | H2 | DCT NWA CULIN H205 BORLI Q32 NODEV Q10 MALUP Q158 PH W839 PEA DCT                                                                                                                                                           |
| YSNW | YSRI |   | H1 | DCT NWA W575 AKMIR W713 KADOM W368 RIC DCT                                                                                                                                                                                  |
| YSNW | YWLM |   |    | DCT NWA W575 AKMIR DCT RIVET Y59 TESAT H252 WLM DCT                                                                                                                                                                         |
| YSNF | YSCB |   | I1 | DCT NF B450 LHI H258 RIKNI N774 TESAT H65 CB DCT                                                                                                                                                                            |
| YSRI | YAMB | # | L2 | DCT RIC H76 UPVEN H66 TW W411 DULIN DCT<br>If R560 active:<br>DCT RIC H530 MUDGI H66 TW W236 DULIN (FL240 and ABV and expect restriction FL240 by MUDGI)<br>DCT RIC H76 EMSUR Z106 EKIBI V258 TW W411 DULIN (FL230 and BLW) |
| YSRI | YBTL |   |    | DCT RIC H530 LASUD Q293 AKUMI Q147 VOMPA Q165 TL DCT<br>If R570B or D active:<br>DCT RIC H530 KABIX Q147 VOMPA Q165 TL DCT                                                                                                  |
| YSRI | YMES |   | H2 | DCT RIC W430 WOL H20 NWA W437 COM W290 ESL DCT                                                                                                                                                                              |
|      |      | > |    | DCT RIC W430 ANKUB PEGSU V20 COM W290 ESL DCT                                                                                                                                                                               |
| YSRI | YPDN |   | H1 | DCT RIC H226 ENPAG T74 TN Q23 DN DCT                                                                                                                                                                                        |
| YSRI | YPEA | @ | H1 | DCT RIC W460 PKS J141 KG Q41 MALUP Q158 PH W839 PEA DCT                                                                                                                                                                     |
| YSRI | YPEA | @ | H2 | DCT RIC W368 KADOM H44 BORLI J21 MUBID Q10 MALUP Q158 PH W839 PEA DCT                                                                                                                                                       |
| YSRI | YPEA | @ | H3 | DCT RIC W368 KADOM H44 BORLI Q32 NODEV Q10 MALUP Q158 PH W839 PEA DCT                                                                                                                                                       |

|                           |       |   |    |                                                                                             |
|---------------------------|-------|---|----|---------------------------------------------------------------------------------------------|
| YSRI                      | YPEA  | @ | H4 | DCT RIC W368 KADOM H44 AD Q33 ESP Q158 PH W839 PEA DCT                                      |
| YSRI                      | YPED  |   | H1 | DCT RIC W368 KADOM H44 MAXEM Q60 KAKLU H309 AD W142 DOLVU DCT                               |
| YSRI                      | YPLM  |   | H1 | DCT RIC W368 KADOM H44 BORLI J21 WHA J149 CDU W486 FRT N640 LM DCT                          |
| YSRI                      | YPLM  |   | H2 | DCT RIC W460 PKS J141 LEC T21 WENER BIDAP NWN W321 LM DCT                                   |
| YSRI                      | YPTN  |   | H1 | DCT RIC H226 ENPAG T74 TN DCT                                                               |
| YSRI                      | YSCB  |   | H1 | DCT RIC W430 WOL H65 CB DCT                                                                 |
|                           |       | > |    | DCT RIC W430 ANKUB PEGSU V169 CB DCT                                                        |
| YSRI - North East Oceanic |       |   |    | Refer to Sydney-North East Oceanic                                                          |
| YSRI                      | YSNW  |   | H2 | DCT RIC W430 WOL H20 NWA DCT                                                                |
|                           |       | > |    | DCT RIC W430 ANKUB PEGSU V501 NWA DCT                                                       |
| YSRI                      | YWLM  |   | H1 | DCT RIC V665 MAKOR PUDUT WLM DCT                                                            |
| YSSY                      | YAMB  |   | H1 | DCT TESAT H252 UPNEX H140 LOSKU VONDO W411 DULIN DCT                                        |
| YSSY                      | YBRM  |   | H1 | DCT TESAT H530 RIC H226 ENPAG T74 NONET T11 BRM DCT                                         |
|                           |       |   |    | DCT RIC H226 ENPAG T74 NONET T11 BRM DCT                                                    |
| YSSY                      | YMES  |   | L1 | DCT TESAT H65 WOL J42 CB W290 ESL DCT                                                       |
|                           |       |   |    | DCT WOL J42 CB W290 ESL DCT                                                                 |
| YSSY                      | YPPD  |   | H1 | DCT TESAT A576 PKS J141 LEC T21 PD DCT                                                      |
|                           |       |   |    | DCT KADOM A576 PKS J141 LEC T21 PD DCT                                                      |
| YSSY                      | YPTN  |   |    | DCT TESAT H530 IVRAD Q57 MIGAX A464 TN DCT                                                  |
| YWLM                      | YAMB  |   | H1 | DCT WLM UBSON NICLA BANDA VONDO W411 DULIN DCT                                              |
| YWLM                      | YAMB  |   | H2 | DCT WLM V535 LOSKU VONDO W411 DULIN DCT                                                     |
| YWLM                      | YBTL  |   | H1 | DCT WLM UBSON NICLA SORTI SANAD TW W542 OVNOM W655 SULMI AKUMI Q147 VOMPA TL DCT            |
| YWLM                      | YMAV  | % |    | DCT WLM LIMLO H536 OMLAV Q15 WOL H65 LEECE Q29 ML W15 AV DCT                                |
|                           |       | > |    | DCT WLM MONDO W786 TESAT V169 ML W15 AV DCT                                                 |
| YWLM                      | YMES  | % |    | DCT WLM LIMLO H536 NWA W437 COM W290 ESL DCT                                                |
|                           |       | > |    | DCT WLM MONDO W786 TESAT V169 PEGSU V20 COM W290 ESL DCT                                    |
| YWLM                      | YMMML | % |    | DCT WLM LIMLO H536 OMLAV Q15 WOL H65 LEECE Q29 ML DCT                                       |
|                           |       | > |    | DCT WLM MONDO W786 TESAT V169 ML DCT                                                        |
| YWLM                      | YPDN  |   | H2 | DCT WLM UBSON NICLA SORTI SANAD TW W542 OVNOM W655 SULMI IVRAD Q57 MIGAX A464 TN Q23 DN DCT |
| YWLM                      | YPEA  |   | H1 | DCT WLM H536 NWA DCT ISNOL DCT BORLI J21 MUBID Q10 MALUP Q158 PH W839 PEA DCT               |
| YWLM                      | YPLM  |   | H1 | DCT WLM MONDO DCT PKS J141 LEC T21 WENER BIDAP NWN W321 LM DCT                              |
| YWLM                      | YPTN  |   | H2 | DCT WLM UBSON NICLA SORTI SANAD TW W542 OVNOM W655 SULMI IVRAD Q57 MIGAX A464 TN DCT        |

|      |      |    |  |                                                  |
|------|------|----|--|--------------------------------------------------|
| YWLM | YSCB | %  |  | DCT WLM LIMLO H536 OMLAV Q15 WOL H65 CB DCT      |
|      |      | >  |  | DCT WLM MONDO W786 TESAT V169 CB DCT             |
| YWLM | YSNW | %  |  | DCT WLM LIMLO H536 NWA DCT                       |
|      |      | >  |  | DCT WLM MONDO W786 TESAT H65 WOL H20 NWA DCT     |
|      |      | >* |  | DCT WLM MONDO W786 TESAT V169 PEGSU V501 NWA DCT |

\*alternative routing option

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**SPECIAL PROCEDURES (NOT ASSOCIATED WITH AN AERODROME)****1. SP 1 - BASS STRAIT CROSSINGS****1.1 Recommended Routes**

1.1.1 These routes do not replace compliance with any requirements or equipment for flight over water, found in the relevant *CASR Part* for the operation conducted. These requirements still need to be met and are not alleviated by the following preferred routes.

1.1.2 For any aircraft, single or multi-engine, which are unable to maintain height after an engine failure:-

- a. Flights through King Island- track via Cape Otway, Bold Head and Hunter Island. MNM ALT for continuous VHF COM - 3,000FT.
- b. Flights through Flinders Island- landfall from/to Cape Liptrap through to McGauran Beach (MGBH) to track via Hogan Island, Deal Island then via Cape Portland or Waterhouse Island. MNM ALT for continuous VHF COM - 2,000FT.

**1.2 Recommended VFR Reporting Procedures Across Bass Strait**

1.2.1 The following reporting procedures are recommended for Bass Strait crossings.

- a. Report position leaving the coast, together with aircraft type, tracking details and POB;
- b. Nominate reporting schedule appropriate to the aircraft speed e.g. 10, 15 or 30 minute intervals;
- c. At each scheduled reporting time, report "OPERATIONS NORMAL", preferably with a position;
- d. Report when crossing opposite coast to cancel the reporting schedules.

1.2.2 As an alternative, pilots may report leaving the coast and nominate a SARTIME for the expected landfall of the opposite coastline.

*Note: All reports associated with these procedures for Bass Strait crossings should be made to Melbourne Centre as appropriate.*

1.2.3 Minimum altitude requirements apply to enable continuous two-way VHF communication across Bass Strait.

**1.3 Air Traffic Services**

1.3.1 Air Traffic Services will respond immediately to any emergency call, but in the event of radio failure or other situation that prevents use of radio, the use of scheduled reporting over water will ensure that SAR action is taken following a missed report. A missed report ensures quicker response than a nominated SARTIME for which SAR action would be taken at the expiration of that time, or if incidental information was received indicating an aircraft was in difficulty.

1.3.2 In the unfortunate event of a ditching, particularly in Bass Strait, survivability from hypothermia is reliant on quick recovery from the water. Scheduled reporting will afford a quicker than normal response when SAR action is required.

**2. SP 2 - FLIGHTS BETWEEN AUSTRALIA AND PAPUA NEW GUINEA**

2.1 Pilots intending to fly to or from Papua New Guinea via Horn Island, must provide 24 hours notice to the Australian Customs Service. This notification should be directed to: Sub-Collector of Customs, Customs House, Victoria Parade, Thursday Island, Queensland. 4870. Telephone: 07 4069 1554 or fax: 4069 1211

2.2 Flights between Australia and Papua New Guinea are international flights. Pilots should refer to PNG AIP for relevant charts, frequencies and PNG entry requirements.

**2.3 Air Traffic Services And Flight Notification**

2.3.1 VFR flights proceeding from Australian to the Port Moresby FIR are required to submit flight notification in international format to Port Moresby ATS Units. Flight notification details submitted to Australian Briefing Offices will be forwarded to PNG authorities.

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- 2.3.2 VFR aircraft operating outside Australian controlled airspace are not required to report to Australian ATS units prior to the FIR boundary, but may use reporting schedule (SKED) procedures while crossing Torres Strait. When exiting the Brisbane FIR for the Port Moresby FIR, pilots of VFR flights are responsible for establishing communications and their own SAR alerting requirements with Port Moresby FIC prior to crossing the common FIR boundary.
- 2.3.3 Radio communications with Port Moresby Flight Information Service (FIS) shall be established 15 minutes prior to the boundary estimate and the following details will be passed:
- aircraft registration
  - aircraft type
  - DEP AD/ATD
  - DEST AD/ETA
  - Altitude
  - EST FIR boundary
  - ETA next position
  - Persons On Board

Flight crew shall ensure aircraft are equipped with the mandatory frequencies of 5565, 6622, 8837, 8861 and 8906. Pilot to Pilot communications are available on VHF 128.95 (refer *PNG Aerodrome/Communications (AD/COM) Chart Dated 30 NOV 2004*)

### **3. SP 3 - TORRES STRAIT BIOSECURITY REQUIREMENTS**

- 3.1 Several pests and diseases present in the Torres Strait and nearby Papua New Guinea are not found on mainland Australia. Consequently, biosecurity legislation controls the movement of goods such as fresh fruit and vegetables, meat and meat products, live plants, seeds and plant materials, live animals, hides, skins and soil, south from the "Torres Strait Protected Zone" (northern islands) to the "Permanent Biosecurity Monitoring Zone" (Thursday Island group), or from either of these two zones to the mainland.
- 3.2 Movement of these goods is restricted by the Department of Agriculture and Water, and the Environment (the department). A permit is required for certain goods.
- 3.3 Pilots should ensure that an aircraft travelling south from either of these zones to the mainland are suitably disinfected.
- 3.4 Pilots must ensure they notify the department before departing to the Australian mainland. Pilots must attempt to contact biosecurity staff at the island departure point. This can be done 30 minutes prior to departure from the Torres Strait. A biosecurity officer may inspect your aircraft and goods carried by crew or passengers. A *notification number* will be issued by a biosecurity officer, which pilots should record for auditing purposes. If there is no biosecurity officer available on their island of departure, pilots must contact the Department 30 minutes prior to arrival on the mainland by contacting the department officers at Horn Island Airport on 07 4069 1310 or the Thursday Island Office on 07 4212 0185.

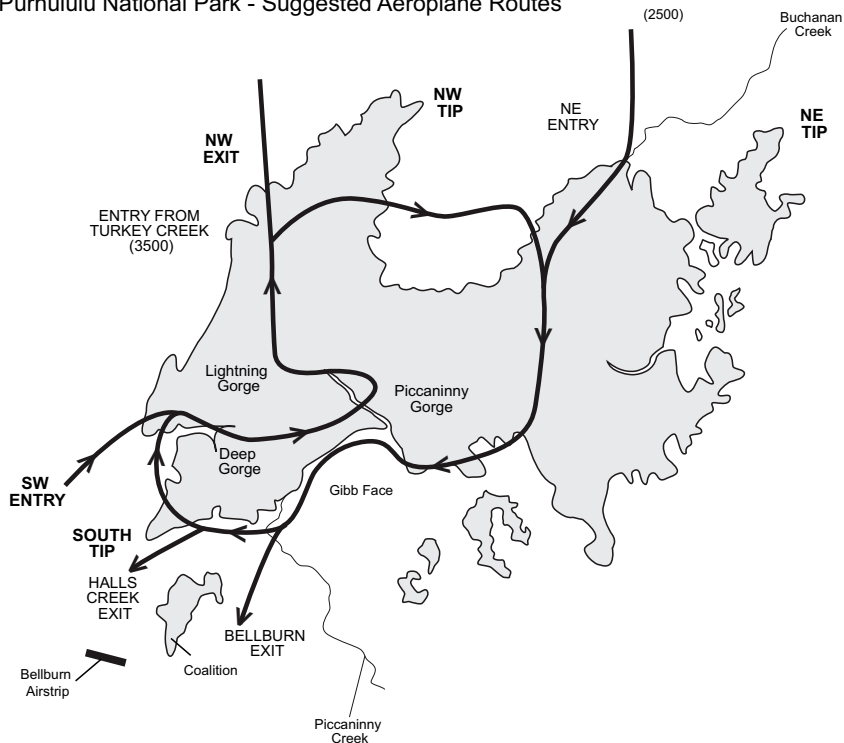
### **4. SP 4 - PURNULULU NATIONAL PARK (BUNGLE BUNGLE) SCENIC FLIGHTS**

- 4.1 Scenic flights conform to the route depicted on the following Fixed wing and Rotary wing map and to the Standard Operating Procedures. Pilots conducting these flights should operate on 127.3.
- 4.2 **National Park Entry Points**
- NE Entry 1718.3S 12830.7E  
SW Entry 1728.0S 12817.5E
- 4.3 **Aeroplanes**
- 4.3.1 Aeroplanes operate around the Bungles in a clockwise direction and in accordance with the following procedures:
- a. Scenic route entry and exit should be conducted via the designated points.
  - b. Entry and Exit of route at other locations must be at a tangent to the route.
  - c. Corner cutting and orbits are not permitted.
  - d. The maximum IAS is 140KTS.
  - e. Operate between 2,500FT and 3,000FT.
-

- f. Broadcast departing the area on the CTAF 127.3.
  - g. Traffic departing the Route at the Bellburn exit point for landing at Bellburn to maintain a track 2NM East of the Coalition.
- 4.3.2 Bellburn is a private strip and permission is required prior to landing. Refer to Bellburn FAC entry for contact details.
- 4.3.3 Visiting Aircraft/Pilots. Due to high volume of both Fixed wing and Rotary wing traffic at the Bungles:
- a. It is highly recommended that a briefing is obtained from any of the local scenic operators at Kununurra before conducting a scenic flight of the Bungle Bungles. If no briefing is available, pilots/aircraft should maintain 3,500FT over the Bungle Bungles.
  - b. Peak traffic times are 06:30-07:30, 09:30-10:30 and 15:30-16:30 Local, try and avoid these times where possible.

## Bungle Bungle Ranges

### Purnululu National Park - Suggested Aeroplane Routes



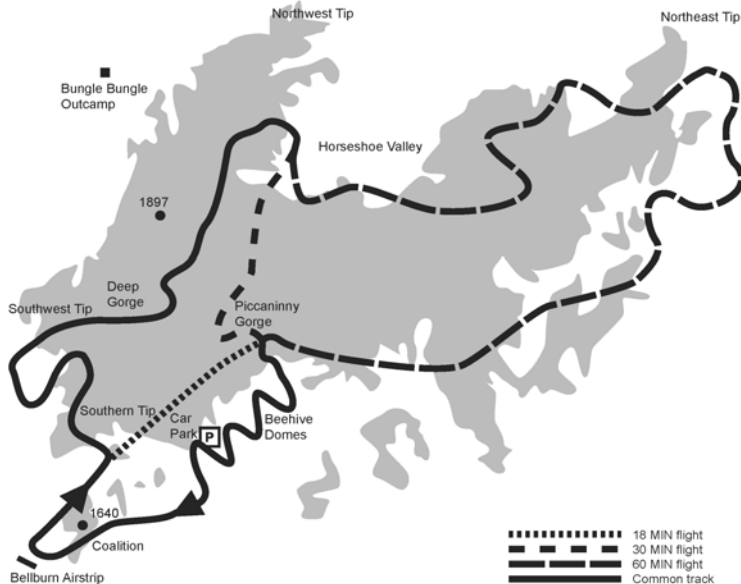
## 4.4 Helicopters:

- 4.4.1 Helicopters are requested to respect public and indigenous sensitivities by following the negotiated flight paths within the Bungle Bungles (Purnululu National Park).
- 4.4.2 To maintain terrain clearance, helicopters may operate to the minimum extent required above 2,000FT provided they:
- a. Broadcast their intentions before leaving 2,000FT on climb;
  - b. Cross the aeroplane route at right angles; and
  - c. Broadcast returning to operations not above 2,000FT.
- 4.4.3 Helicopters are not permitted to land on the Bungle Bungle Range at any time. Helicopters can only land at the Bellburn airstrip within the Purnululu National Park.

- 4.4.4 Bellburn is a private strip, permission is required prior to landing. Refer to *Bellburn FAC* entry for contact details.
- 4.4.5 Visiting Helicopters/Pilots. Due to high volume of both Fixed wing and Rotary wing traffic at the Bungles; It is highly recommended that a briefing is obtained from any of the local Helicopter scenic operators at Kununurra or Bellburn before conducting a scenic flight of the Bungle Bungles.

### Bungle Bungle Ranges

Purnululu National Park - Suggested Helicopter Routes

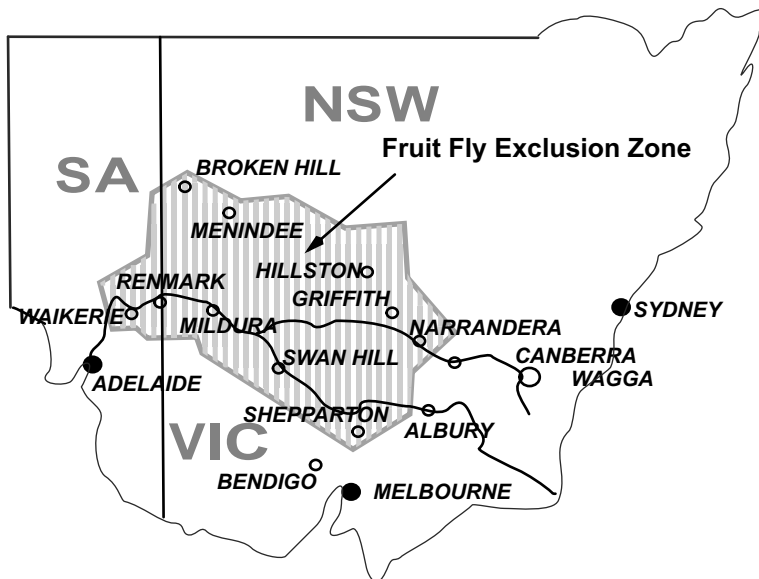


## 5. SP 5 - GREAT SANDY BAY MARINE PARK AND FRASER ISLAND

- 5.1 In the whale management area of the Great Sandy Marine Park, pilots of fixed wing ACFT must not bring the ACFT any closer to a whale than 300M unless the aircraft is at an altitude of at least 1,000FT. A helicopter must not be brought any closer to a whale than 1KM unless the helicopter is at an altitude of at least 2,000FT. For further information refer to the Marine Park (Great Sandy) Zoning Plan 2006 or contact the Queensland Parks and Wildlife Service, Senior Ranger (Great Sandy Marine Park) on phone: 07 4197 4003. For information relating to flights over the Great Sandy National Park (Fraser Island section) contact the Conservation Officer (Fraser Island) on phone: 07 4127 9128 (ext 223).

## 6. SP 6 - FRUIT FLY EXCLUSION AREA

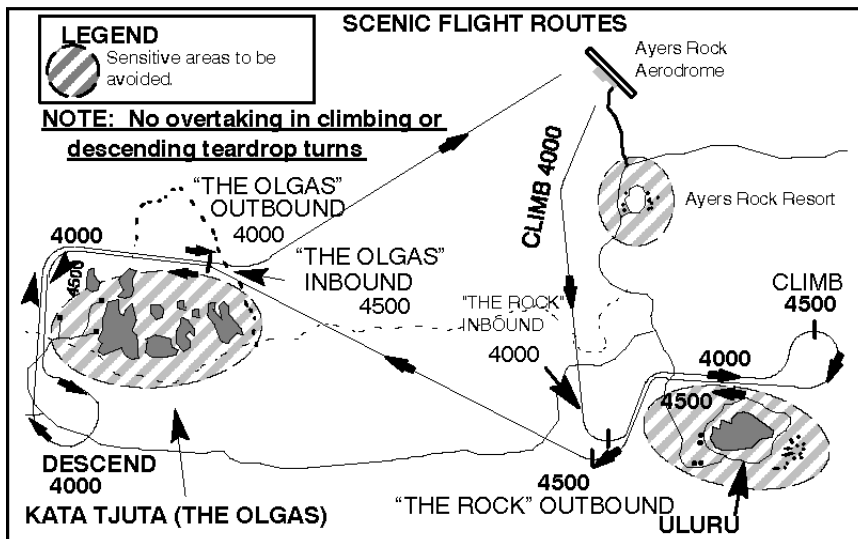
- 6.1 Pilots should be aware that carrying fresh fruit into the Fruit Fly Exclusion Zone without a permit is illegal.



## 7. SP 7 - AYERS ROCK

### 7.1 STANDARD SCENIC FLIGHT PROCEDURES

- 7.1.1 Except in an emergency, no aircraft is permitted to land in the Uluru-Kata Tjuta National Park (The Park). The Park covers an area of approximately 406 square NM. Irregular shaped in profile, the park is bounded by straight lines joining 2524.54S 13122.19E, 2515.47S 13122.20E, 2515.47S 13100.34E, 2515.54S 13100.34E, 2515.55S 13045.40E, 2507.19S 13045.10E, 2504.48S 13040.40E, 2524.54S 13040.40E, 2524.54S 13122.19E (GDA94 data format).
- 7.1.2 All commercial activity, including aviation, within or over the Park requires a permit from the Park's Director. Permits routinely take 28 days to be processed. Hang gliding, parachuting and ballooning are generally not allowed from or over the Park. Further information is available from the Park's website: [www.environment.gov.au/parks/uluru/index.html](http://www.environment.gov.au/parks/uluru/index.html).
- 7.1.3 Due to the cultural significance to the traditional owners of areas within the Park, Special Procedure 7 (SP7) was developed by Park management and the resident aircraft operators for scenic flights around Uluru (Ayers Rock) and Kata Tjuta (the Olgas). SP7 (the Standard Scenic Flight Procedure) describes the route to be flown.
- 7.1.4 Pilots operating scenic flights around Uluru (Ayers Rock) and Kata Tjuta (the Olgas) are requested to follow the flight path depicted on the diagram below and set out in subparagraphs 7.4.1 to 7.4.3. To avoid confusion, pilots are requested to refer to the aerodrome as 'Ayers Rock' or 'Ayers Rock aerodrome' and to Uluru (Ayers Rock) as 'the Rock'. More detailed information is available from the Uluru/Ayers Rock inset of the Alice Springs Visual Terminal Chart (VTC).



7.1.4.1 Flight directly over the Rock or the Olgas is to be avoided. Additionally, flight over the sensitive areas marked on the diagram is to be avoided.

7.1.4.2 Fixed wing aircraft should:

- track Ayers Rock AD to the Rock at 4,000FT;
- climb to 4,500FT NE of the Rock (see diagram);
- track the Rock to the Olgas at 4,500FT;
- descend to 4,000FT SW of the Olgas (see diagram)
- track the Olgas to Ayers Rock AD at 4,000FT.

7.1.4.3 Helicopters should track via the same route as fixed wing aircraft, but maintain 3,500FT for the entire flight.

7.1.5 Pilots should note that a CA/GRS operates at Ayers Rock AD. All aircraft are requested to make the following broadcasts:

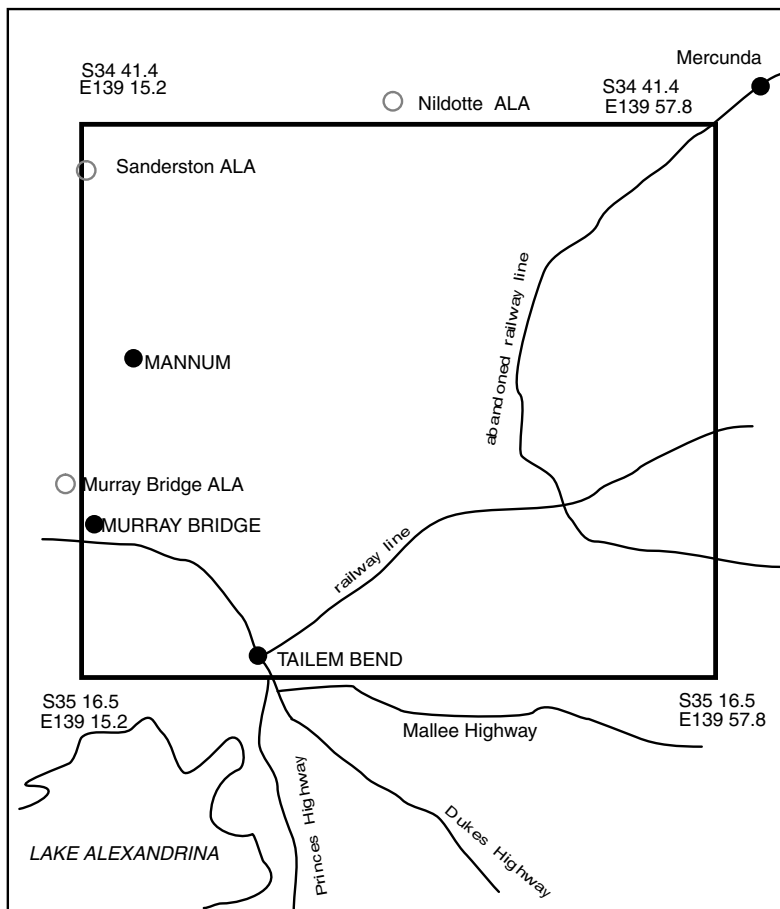
- prior to taxiing, aircraft details and RWY;
- 'departed Ayers Rock aerodrome for the Rock climbing to (level)';
- 'the Rock inbound (level)' (at the gate depicted on the diagram);
- if applicable 'leaving 4,000FT for 4,500FT';
- at the gate depicted on the diagram, 'the Rock outbound (level)';
- at the gate depicted on the diagram, 'the Olgas inbound (level)';
- if applicable 'leaving 4,500FT for 4,000FT';
- at the gate depicted on the diagram, 'departing the Olgas (level) for Ayers Rock aerodrome runway (13/31)'; and
- for all other broadcasts, standard non-controlled aerodrome operating and communication procedures apply.

7.1.5.1 For all other flights within the Ayers Rock aerodrome (YAYE) designated broadcast area, standard non-controlled aerodrome procedures apply.

## 8. SP 8 - HELICOPTER OPS IN SA QUARANTINE AREA

8.1 The South Australian Department of Water, Land and Biodiversity Conservation (DWLBC) has declared a quarantine area located east of Murray Bridge Aerodrome (350400S 1391336E) to assist in preventing the spread of a noxious weed - Branched Broomrape.

8.2 The quarantine area is about 35NM square (see diagram), within the bounds 3441.4S 13915.2E, 3441.4S 13957.8E, 3516.5S 13957.8E, 3516.5S 13915.2E, 3441.4S 13915.2E.



- 8.3 The DWLBC has advised that the seed is spread mostly by personal footwear, including socks. Consequently, a decontamination service has been established for those who enter the quarantine area to use prior to departure.
- 8.4 For specialist advice, pilots of helicopter aircraft operating into the area should contact the DWLBC on 1800 245 704 (available 0700 - 2100 local daily) before planning to land in the area, or before moving the aircraft if an unplanned landing has occurred.

## 9. SP 9 - TASMANIAN QUARANTINE REQUIREMENTS

- 9.1 Tasmania has strict Quarantine regulations, backed up by strong penalties for breaking the law. Tasmania is relatively free from a range of pests and diseases found in other parts of Australia and the regulations are an important measure to minimise the risk to Tasmania's environment and important agricultural industries.
- 9.2 To meet Quarantine regulations, you must declare fresh fruit, vegetables, plants and plant products and fish and fish products to a Quarantine Officer. Otherwise, you should dispose of these items in the quarantine bins located in the arrival area.
- 9.3 Quarantine restrictions also apply to the importation of all plant cuttings, seeds, cut flowers, native birds, reptiles, aquarium fish, fishing gear, waders and animal products such as fox skins and hides. Dogs will need to be treated for the Hydatid Tapeworm and proof shown to Quarantine upon arrival in Tasmania.

- 9.4 Quarantine measures are important. If you do, by mistake, bring any restricted items into Tasmania, pass them to the quarantine officer at the barrier checkpoint for inspection or dispose of them in the bins provided. If you pass the checkpoint, quarantine officers or trained sniffer dogs may detect these items and you could receive an on the spot fine.
- 9.5 If you are unsure about any goods or material you are carrying then please check with the quarantine officer on duty, contact Quarantine Tasmania or visit the website. Quarantine Tasmania can be contacted on the following:

Email: [quarantine.enquiries@dpiwve.tas.gov.au](mailto:quarantine.enquiries@dpiwve.tas.gov.au)

Website: [www.dpiwve.tas.gov.au/quarantine](http://www.dpiwve.tas.gov.au/quarantine)

Phone: 03 6233 3352

## **10. SP 10 - KATI THANDA - LAKE EYRE NATIONAL PARK**

- 10.1 Kati Thanda - Lake Eyre National Park is administered by the Department of Environment, Water and Natural Resources (DEWNR), in accordance with the National Parks and Wildlife Act 1972. The region includes a number of sensitive areas that can, in times of lake flooding, contain large bird populations of environmental significance.
- 10.2 Pilots are reminded that the bird populations can appear at short notice and locations can change rapidly. This can be hazardous to aviation. Pilots are requested to keep a lookout for bird populations (airborne or nesting) and remain above 1,500FT AGL and outside a 1NM perimeter of these areas. For further details contact Natural Resources South Australian Arid Lands on 08 8648 5300 or email [SAAridlands@sa.gov.au](mailto:SAAridlands@sa.gov.au).
- 10.3 During periods when water is present in Lake Eyre, increased sightseeing traffic can be expected. Regular departures occur from airstrips within the broadcast area and larger capacity aircraft can be expected to be operating to a minimum of 1500FT AGL.
- 10.4 The following procedures are recommended when operating in the area:
- (i) Communications within the Lake Eyre Broadcast Area (BA) SFC to 5,000FT should be on FREQ 127.8.
  - (ii) Broadcasts should be made whenever reasonably necessary to avoid a collision, or the risk of collision, with another ACFT.
  - (iii) Pilots should consider making and information call on entering the BA at or below 5,000FT - reporting the ACFT's position by reference to ALA's within the BA or as a bearing and distance from Lake Eyre North or Lake Eyre South. It is recommended that pilots make a broadcast when over significant features as depicted on the WAC.
  - (iv) It is highly recommended that a briefing is obtained from any of the local commercial scenic operators in the area to determine the traffic pattern in use and areas of increased traffic concentration. These include but are not limited to, Belt Bay and the Warburton and Cooper Creek inlets. Contact Wrightsair on 08 8670 7962 or email [wrightsair@bigpond.com](mailto:wrightsair@bigpond.com).
  - (v) Lake Eyre scenic routes can vary (seasonal water levels, concentrations of wildlife, etc), however a clockwise direction is recommended. Commercial scenic operations take place between 1,500FT and 3,500FT but may be conducted at any level in the BA depending on the nature of the operation.
  - (vi) Traffic climbing or descending through the 5,000FT upper limit should broadcast intentions on the appropriate FREQ.
  - (vii) Except in an emergency or with prior permission from the DEWNR, landing on Lake Eyre or anywhere within the Kati Thanda Lake Eyre National Park is prohibited. Do not attempt to land on Lake Eyre as the SFC may not support the weight of your ACFT.
- 10.5 Prior permission is required if landing at any of the airstrips with the BA, CTAF 127.8.
- 10.6 Refer to ERSa FAC entry for YWMC and YMRE.
- 10.7 The BA is depicted on ERCL 7 and is within the boundaries of straight lines joining 2730S 13600E to 2730S 13900E to 3000S 13700E to 3000S 13600E to 2730S 13600E.
-





# 11. SP 11 - GREAT BARRIER REEF - CAIRNS SCENIC FLIGHTS

11.1 High volume helicopter and fixed wing traffic operate over an area of the Great Barrier Reef 18NM north east of Cairns Airport, encompassing Green Island, Arlington Reef, Hastings Reef and Upolu Cay. While the aircraft operate on various tracks the general traffic flow shall be anti-clockwise.

## 11.2 Entry/Exit

- Entry gate: **Green Island**.
- Anti-clockwise traffic flow.
- Exit gate: **Upolu Cay**.
- Entry/exit gates will remain unchanged regardless of the active runway-in-use at Cairns Airport.

## 11.3 Rotary Wing Tracks

- Track outbound at 500FT to **Green Island** – remain at 500FT until 12DME from Cairns Airport then climb to 1,000FT.
- Track inbound at 500FT from **Upolu Cay**.
- Rotary wing aircraft to broadcast on the CTAF before operating in the reef scenic area above 500FT.

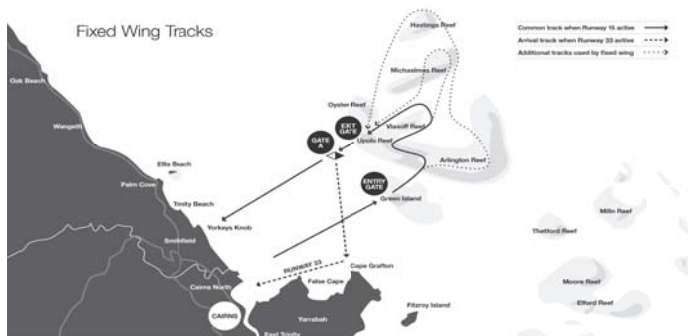


## 11.4 Fixed Wing Tracks

- a. Track outbound at 1,500FT to **Green Island**.
- b. Track inbound at 1,000FT from **Upolu Cay** to **Gate A**.
  - (i) **Gate A** location is at 1643S 14552E on the **Upolu** to **Yorkeys Knob** track.
- c. For arrivals to **Runway 15**: track as cleared and directed by ATC.
- d. For arrivals to **Runway 33**: from exit **Gate A** turn left and track towards **Cape Grafton**, remaining OCTA at 1,000FT.
- e. Fixed wing aircraft to broadcast on the CTAF before operating in the reef scenic area below 1,000FT.

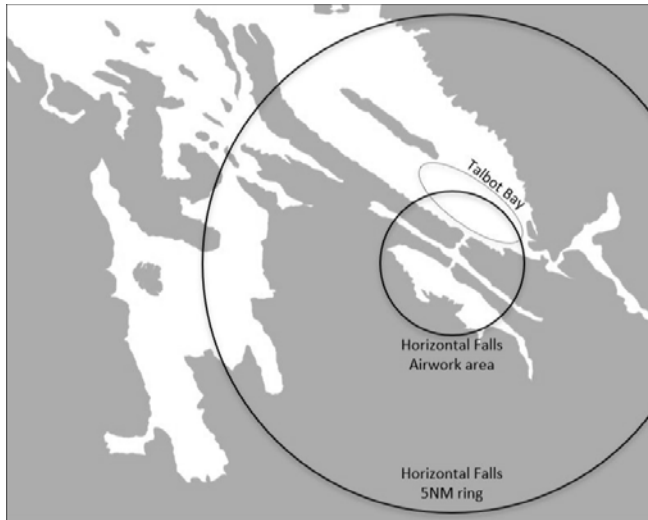
*Note 1: When Runway 33 is in operation at Cairns Airport, outbound traffic can expect fixed wing aircraft to track south from **Gate A** toward **Cape Grafton** at 1,000FT.*

*Note 2: For heightened situation awareness, all traffic should be monitoring **FREQ 126.1** between 7NM and 12NM from Cairns Airport.*



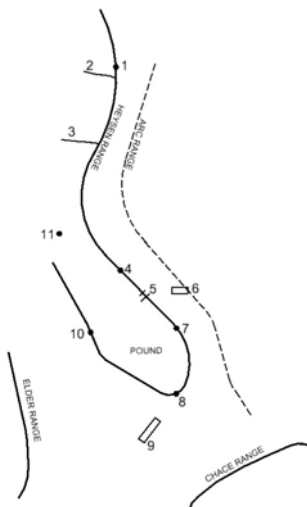
## 12. SP 12 - HORIZONTAL FALLS SCENIC FLIGHTS

- 12.1 Seaplanes and helicopters operate at 2,000FT and below at the Horizontal Falls, landing and departing the Talbot Bay area as depicted in the image below.
- 12.2 A 2,500FT lower level for fixed wing aircraft (excluding seaplanes) exists during seaplane operations to facilitate operations into Talbot Bay. If seaplanes are not in operation and passengers are wearing life jackets if required, operations at 2,000FT for fixed wing aircraft may be conducted.
- 12.3 Low level helicopter operations are conducted at the Horizontal Falls below 1,000FT.
- 12.4 An area briefing for itinerant aircraft is advised from local operators (primarily based at Broome) before conducting operations at the Horizontal Falls.
- 12.5 Scenic flights for all fixed wing and rotary aircraft should operate in accordance with the following procedures:
  - a. At 10NM, aircraft are to broadcast airwork intentions on the West Kimberley Broadcast Area CTAF 127.2.
  - b. Traffic to be separated by 500FT increments. If the desired altitude for airwork is unavailable, holding outside of the Horizontal Falls 5NM radius is required until the desired altitude is available.
  - c. At 5NM inbound to the Horizontal Falls, aircraft must be established at the desired airwork altitude and broadcast location, inbound heading and intentions.
  - d. Outbound from the Horizontal Falls, aircraft should not climb from their airwork altitude until outside the 5NM radius and established on their outbound track.
  - e. Seaplane operations to remain at 1,500FT (clear of terrain) until passing the 5NM radius from the Horizontal Falls.



### 13. SP 13 - WILPENA POUND

- 13.1 Wilpena Pound is situated in the central Flinders Ranges of South Australia and at the centre of the Wilpena Broadcast Area depicted on En Route Chart (ERC L7). The Broadcast Area extends from Hawker in the south to Blinman in the north.
- 13.2 Prior permission is required to land at Wilpena (YWPN) operated by Ikara Wilpena Pound Resort and Rawnsley Park (YRYK) and at most of the other airfields in the Broadcast Area.
- 13.3 Communications within the Broadcast Area SFC to 5,000FT should be on FREQ 126.7
- 13.4 Pilots of visiting aircraft should consider making an information call on entering the Broadcast Area at or below 5,000FT, reporting position and intentions by reference to significant features as depicted on the WAC.
- 13.5 Traffic climbing or descending through the 5,000FT upper limit should broadcast intentions on the appropriate FREQ.
- 13.6 Broadcasts should be made whenever reasonably necessary to avoid a collision, or the risk of collision, with another ACFT.
- 13.7 Commercial fixed wing and helicopter flights operate a variety of scenic flight routes in the vicinity of Wilpena Pound on a regular basis. Most flights are conducted not above 4,500FT but altitudes vary due to weather conditions.
- 13.8 Commercial operators report over a number of points in the vicinity of Wilpena Pound. The map below depicts these points, some of which are not depicted on the WAC.
- 13.9 Prior to operating in the vicinity of Wilpena Pound it is highly recommended that pilots obtain a briefing from one of the local operators to determine the traffic pattern in use.



### 13.10 Wilpena Pound Special Procedures

- a. Special Procedures are recommended in the vicinity of Wilpena Pound to separate visiting aircraft from local commercial traffic.
- b. To minimise conflict with commercial scenic flights, where possible visiting aircraft planning to fly in the vicinity of Wilpena Pound should consider operating in accordance with the following:
  - (i) Not below 5,000FT.
  - (ii) Track to enter over either Mount Hayward in the north or Rawnley Park in the south.
  - (iii) Flights around Wilpena Pound in a clockwise direction.
  - (iv) Report entering and leaving the area on FREQ 126.7.
  - (v) Maintain a listening watch on FREQ 126.7 and report position, altitude and intentions to other aircraft where necessary.
- c. Reporting points used by local operators:
  - (1) 311839S 1383358E - Mount Hayward
  - (2) 312024S 1383315E - Brachina Gorge
  - (3) 312448S 1383239E - Bunyeroo Gorge
  - (4) 313014S 1383305E - St Mary Peak
  - (5) 313152S 1383613E - Pound Gap and/or Wilpena Resort
  - (6) 313100S 1383730E - YWP Wilpena/ALA
  - (7) 313505S 1383744E - Point Bonney
  - (8) 313716S 1383645E - Rawnley Bluff
  - (9) 313900S 1383700E - YRYK Rawnley Park/ALA
  - (10) 313451S 1383245E - Bridle Gap
  - (11) 313000S 1383110E - Edeowie Gorge

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**FLY NEIGHBOURLY ADVICE****14. FN 1 - KAKADU NATIONAL PARK - Fly Neighbourly Advice**

- 14.1 A Fly Neighbourly Agreement applies to the airspace above Kakadu National Park. The Fly Neighbourly Agreement provides specific scenic flight routes and ensures aircraft stay a respectful distance from 34 sensitive environmental, cultural and residential areas in the Park. Pilots intending to fly over Kakadu National Park should obtain, read and comply with the Fly Neighbourly Agreement. The Agreement is available at the following addresses:

Kakadu National Park

PO Box 71

JABIRU, NT. 0886

Phone 08 8938 1100

Fax 08 8938 1115

Email: [kakadunationalpark@environment.gov.au](mailto:kakadunationalpark@environment.gov.au)

Web: [www.environment.gov.au/resource/fly-neighbourly-agreement-kakadu-national-park](http://www.environment.gov.au/resource/fly-neighbourly-agreement-kakadu-national-park)

- 14.2 Except when operating on one of the specific scenic flight routes identified in the Fly Neighbourly Agreement, pilots are requested to maintain a minimum altitude of 2,500FT AMSL, unless operation at this altitude would jeopardise the safe conduct of the flight.

**15. FN 2 - BLUE MOUNTAINS NATIONAL PARK - Fly Neighbourly Advice**

- 15.1 The Blue Mountains National Park is administered by the NSW National Parks and Wildlife Service (NPWS) in accordance with the National Parks and Wildlife Act 1974. The park contains sensitive environmental areas.

- 15.2 Pilots undertaking sightseeing flights should obtain details of the areas to be avoided and the preferred scenic routes in the Katoomba area from the Park Manager.

- 15.3 The Park Manager can be contacted by Phone on 02 4787 8877, or Fax on 02 4787 8514, or by writing to:

The District Manager,

Blue Mountains National Park,

PO Box 43, BLACKHEATH NSW 2785.

- 15.4 Except when operating on preferred scenic routes, pilots are requested to maintain a minimum altitude of 2000FT above the surface of the park (the surface being defined as the highest point of terrain, and any object on it, within a radius of 600M of a point vertically below the aircraft), unless operation at this altitude would jeopardise the safe conduct of the flight.

- 15.5 This altitude recognises the special terrain/weather conditions and the overlying airspace arrangements of this area.

**16. FN 3 - GRAMPIANS NATIONAL PARK - Fly Neighbourly Advice**

- 16.1 The Grampians National Park is administered by Parks Victoria, in accordance with the National Parks Act 1975. The park contains sensitive environmental areas. Pilots undertaking sightseeing flights should obtain details of the areas to be avoided and the preferred scenic routes in the Halls Gap area from the Chief Ranger.

- 16.2 Contact Brambuk - the National Park and Cultural Centre, Halls Gap on 03 5361 4000, Fax on 03 5356 4446, via email to [info@brambuk.com.au](mailto:info@brambuk.com.au), or by writing to

The Chief Ranger,

Grampians National Park,

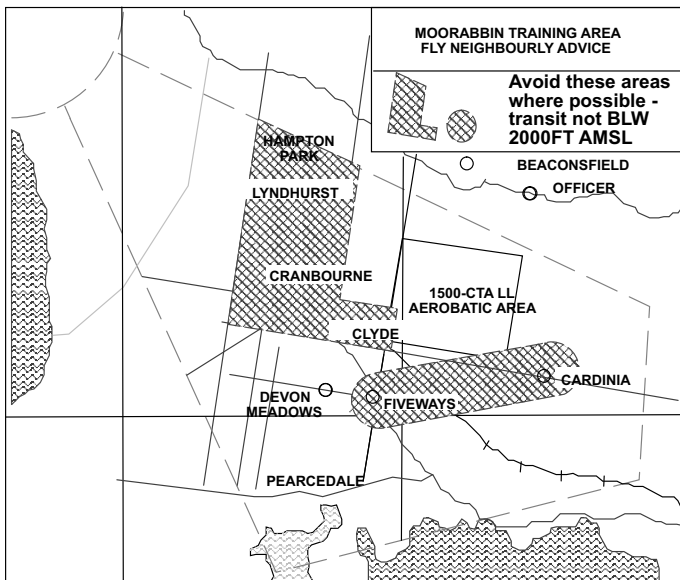
PO Box 18, HALLS GAP, VIC 3381.

- 16.3 Except when operating on preferred scenic routes, pilots are requested to maintain a minimum altitude of 2,000FT above the surface of the park (the surface being defined as the highest point of terrain, and any object on it, within a radius of 600M of a point vertically below the aircraft) unless operation at this altitude would jeopardise the safe conduct of the flight.

**17. FN 4 - HEAD OF BIGHT - Fly Neighbourly Advice****APPLICABLE 1ST MAY TO 31ST OCTOBER ANNUALLY**

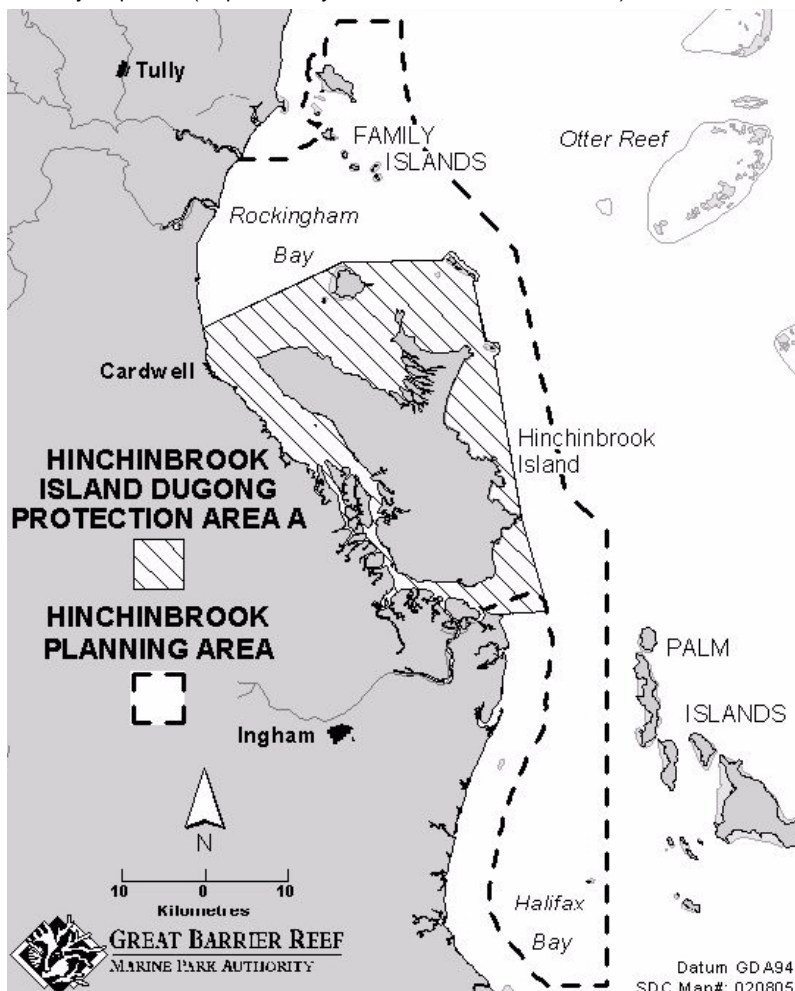
- 17.1 The Fly Neighbourly area extends from 13055E to 13117E and to 3NM off shore.
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- 17.2 Pilots undertaking sight seeing flights in the Fly Neighbourly area are requested to comply with the following requirements:
- Enter the area from the eastern extremity and track west.
  - Cruise not below 1,000FT.
  - Do not circle whales.
  - Exit the area at any time by executing a turn to track inland of the shore line by 2NM.
  - Re-entry to the area is to track 2NM inland of the shore line to the entry point. (This requirement is to avoid disturbance to land-based whale watchers.)
- 17.3 For operations other than described above, pilots should contact:  
Operations Manager, West  
Department of Environment, Water and Natural Resources  
Ph: 08 8688 3177 or Fax: 08 8688 3110  
Mail: PO Box 22, Port Lincoln SA 5606
- 18. FN 5 - MOORABBIN TRAINING AREA - Fly Neighbourly Advice**
- 18.1 The City of Casey has adopted a Fly Neighbourly Advice for aircraft operating within the "Moorabbin Training Area".
- 18.2 The Moorabbin Training Area is approximately defined as an area bounded by a line from Moorabbin Aerodrome to Pearcedale, then coastal to Koo-wee-rup, Pakenham to Moorabbin Aerodrome (*see map, Appendix 1*).
- 18.3 Pilots of aircraft operating in the Moorabbin Training Area are requested to avoid the following urban areas: Hampton Park / Lyndhurst / Cranbourne, and within circles of one nautical mile (1NM) of Cardinia and Five Ways joined tangentially (*see map*), or not to operate below 2,000FT over these areas.
- 18.4 Pilots are requested to minimise aerobatic manoeuvres below 3,000FT in the aerobatic area east of Berwick - Cranbourne Road and north of Ballarto Road, due to noise sensitivity.
- 18.5 In addition, pilots are requested to observe the following recommendations:
- no air training activity in the Moorabbin Training Area after 1000 UTC, (1100 UTC during HDS); and
  - farm and other buildings should not be used as reference points for training manoeuvres.



## 19. FN 6 - GREAT BARRIER REEF MARINE PARK (GBRMP) - Fly Neighbourly Advice

- 19.1 The GBRMP is located within an area of the Great Barrier Reef extending from abeam Cape York to approximately 10NM North of Fraser Island, from sea level to 3,000FT. The Marine Park is a declared World Heritage Area and is administered by the Great Barrier Reef Marine Park Authority (GBRMPA) and managed by the Queensland Parks and Wildlife Service.
- 19.2 The GBRMP is managed in four geographical sections:  
Far Northern (Cape York - Murdoch Point)  
Cairns (Murdoch Point - Clump Point)  
Central (Clump Point - Cape Conway)  
Mackay/Capricorn (Cape Conway - 10NM North of Fraser Island)



- 19.3 The GBRMP contains nearly 1,000 rocky islands and cays, many being sensitive seabird breeding sites of national and international significance.

- 19.4 Pilots are requested to not fly below 1,500FT within one (1)NM of sites occupied by nesting seabirds.
- 19.5 Arrangements exist with military and commercial aircraft operators with respect to the avoidance of sensitive areas.
- 19.6 Pilots are specifically requested to note the following significant nesting sites and to not fly below 1,500FT within one (1)NM of these sites:

#### **Far Northern Section**

|                   |                  |
|-------------------|------------------|
| Combe Islet       | 1424.2S 14454.4E |
| Tydemian Cay      | 1359.0S 14430.3E |
| Davie Cay         | 1358.7S 14425.9E |
| Night Island      | 1310.9S 14334.6E |
| Quoin Island      | 1224.3S 14329.6E |
| Raine Island      | 1136.1S 14401.9E |
| Moulter Cay       | 1124.7S 14359.6E |
| Wallace Island    | 1126.9S 14302.1E |
| Pelican Island    | 1354.7S 14350.1E |
| Magra Island      | 1151.9S 14317.1E |
| Bushy Island      | 1114.9S 14253.1E |
| Stapelton Island  | 1419.5S 14452.0E |
| Sandbank number 7 | 1326.0S 14358.0E |
| Sandbank number 8 | 1322.0S 14358.0E |
| Milman Island     | 1110.4S 14301.0E |
| McCarthur Island  | 1143.9S 14259.1E |
| MacLennan Island  | 1124.2S 14345.6E |
| Saunders Island   | 1141.9S 14311.1E |

#### **Cairns Section**

|                  |                  |
|------------------|------------------|
| Sister Island    | 1744.8S 14609.6E |
| Stephens Island  | 1743.9S 14610.1E |
| Low Isles        | 1623.1S 14534.3E |
| West Hope Island | 1544.9S 14527.1E |
| Three Isles      | 1506.9S 14525.6E |
| Rocky Islets     | 1451.6S 14529.0E |
| Eagle Islet      | 1441.9S 14523.1E |

#### **19.7 Central Section - Hinchinbrook Planning Area (please see map prev page)**

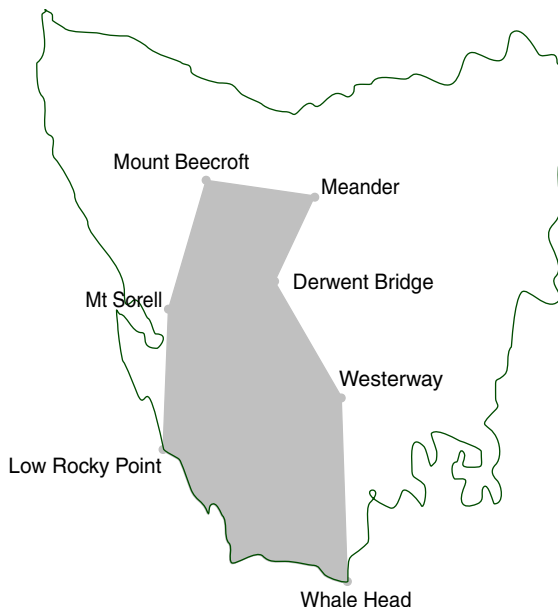
Pilots are requested to avoid:

- a. flying below 1,500FT within the Hinchinbrook Planning Area;
  - b. landing within the Hinchinbrook Island Dugong Protection Area A; or
  - c. landing within 500M of any Island.
- 19.8 Michaelmas Cay, situated approximately 030DEG MAG/20NM Cairns, is ranked as the most important seabird breeding site within the Cairns Section.
- 19.9 Aircraft operating upwind of a seabird breeding site are likely to cause greater impact than those downwind, therefore, distance from a site may need to be increased when operating upwind to avoid disturbing birds.
- 19.10 For advice, on sensitive areas within the GBRMP and the restrictions imposed under the Great Barrier Reef Marine Park Act 1975, pilots should contact the relevant Queensland Parks and Wildlife Service, Coastal Management Program Regional Office prior to operating within the GBRMP.  
Far Northern Regional Office (Cairns) 07 4052 3096;  
Northern Regional Office (Townsville) 07 4722 5211; or  
Central Coast Regional Office (Rockhampton) 07 4936 0511.
- 19.11 An Environmental Restricted Area has been established within 1NM RAD of Michaelmas Cay 163623.44S 1455822.04E - SFC-3,000FT.
- 19.12 **MIL ACFT - Hinchinbrook Channel:** In VMC conditions, flights not below 1,500FT. In inclement weather, flights to be conducted at the MNM ALT commensurate with terrain clearance and separation from CLD.  
*Note: While flights in inclement weather may be as low as 200FT ABV SFC. ACFT should avoid built-up areas.*



## **20. FN 7 - TASMANIAN WORLD HERITAGE AREA AND MT FIELD NATIONAL PARK - Fly Neighbourly Advice**

- 20.1 There is an understanding between non-scheduled air transport operators and the TPWS to operate in the WHA and Mt Field area in an agreed responsible manner. Other pilots undertaking sightseeing flights in the WHA or Mt Field area should obtain information on FN areas, tracking details, operating altitudes, and specific areas to be avoided from:  
The Director  
Tasmania Parks & Wildlife Service  
Department of Primary Industries, Water and Environment  
134 Macquarie St  
HOBART TAS 7000  
(Contact Planning Officer, World Heritage Area; Phone 03 6233 2112)
- 20.2 Maps may be downloaded from the following website  
[www.parks.tas.gov.au/Documents/Fly%20Neighbourly%207.pdf](http://www.parks.tas.gov.au/Documents/Fly%20Neighbourly%207.pdf).
- 20.3 Advice on operating in the WHA and Mt Field area is also available from most flying schools and non-scheduled air transport operators based at Cambridge, Launceston, Devonport, Wynyard, and Strahan.
- 20.4 The FNA area is approximately bounded by the following (refer WAC 3556 - Tasmania):  
Commencing South of Deloraine at Meander, then Miena - Derwent Bridge - Wayatinah - Westerway - Whale Head - then coastal to Low Rocky Point - Mt Sorell - Meander.
- 20.5 The Sensitive Areas (SAs) are:  
Cradle Valley, Traveller Range, Mt Ossa to Mt Rufus, Frenchman's Cap, Mt Anne Lake Judd area, Mt Orion and Arthur Range, and Federation Peak.

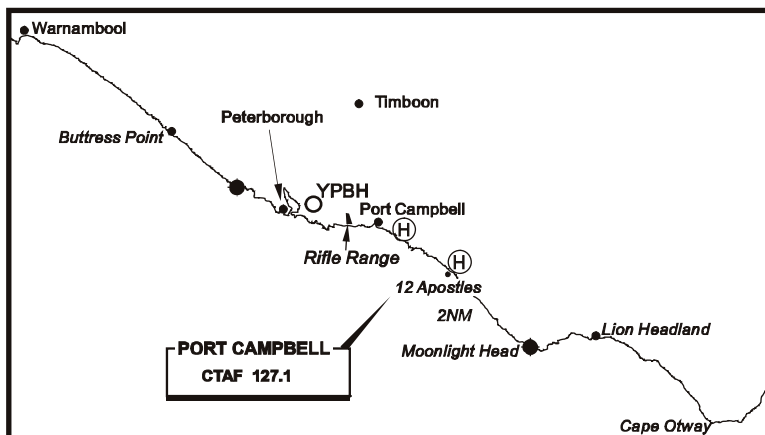


- 20.6 The general minimum overfly altitude for the WHA and Mt Field area is 4,000FT terrain permitting. To minimise the impact of noise:
- operate at the highest possible altitude and lateral distance from the feature being observed that will allow satisfactory observation from the air;
  - in sensitive areas, avoid prolonged flight and sudden changes in engine management (safety permitting); and
  - endeavour to cross walking tracks and the Franklin River at right angles.

- 20.7 Flight in and through the SAs should be kept to a minimum, and aircraft should be operated at an altitude and configuration that will minimise noise and visual impact for ground observers.
- 20.8 Recommended operating altitudes in the WHA and Mt Field area do not apply if these altitudes would jeopardise the safe conduct of the flight.
- 20.9 **Melaleuca Area Zones.**
- 20.9.1 Additional conditions apply during the nesting season of the Orange Bellied Parrot which breeds in the Melaleuca Area zones located within the WHA:
- From 15 September to 30 April, pilots are requested to avoid:
    - repeated passes or circuits above the zones;
    - landing helicopters within the zones; and
    - hovering helicopters above forested areas within the zones.
  - Information on zone areas and operating in this area can be obtained from:  
Project Officer, Melaleuca Area, Tasmania Parks & Wildlife Service  
Ph: 03 6233 6033

## 21. FN 8 - PORT CAMPBELL NATIONAL PARK - Fly Neighbourly Advice

- 21.1 Port Campbell National Park is administered by Parks Victoria, in accordance with the National Parks Act 1975. The park contains sensitive environmental areas of high conservation significance. The park extends coastal from Point Ronald, near Princetown, to Boat Bay (Bay of Island Coastal Park) west of Peterborough.



- 21.2 Pilots undertaking sight seeing flights should obtain details of the areas to be avoided and the preferred scenic routes in the Port Campbell National Park from the Ranger in Charge. In addition, pilots are requested to comply with the following requirements, weather and other factors permitting:
- Operate off-shore as much as possible.
  - Avoid overflying any buildings or visitor facilities.
  - Do not circle coastal features (such as 12 Apostles etc).
  - All ACFT track off-shore:  
West bound 1,000FT  
East bound 1,500FT.
  - For operations other than described above, contact;  
Ranger in Charge,  
Port Campbell National Park, Parks Victoria,  
26 Morris Street, Port Campbell, VIC, 3269  
Phone 03 5598 6382 or Fax 03 5598 6420.
- 21.3 When operating in the vicinity of Peterborough or Port Campbell National Park, pilots should use CTAF 127.1 to make positional broadcasts.

- 21.4 Frequent helicopter sight seeing flights are conducted from two helipads in this area.

**22. FN 9 - NITMILUK (KATHERINE GORGE) NATIONAL PARK - Fly Neighbourly Advice**

- 22.1 This is an understanding between the locally based scenic flight operators and the Nitmiluk National Park to operate in the area in an agreed responsible manner. Other pilots undertaking sightseeing flights should obtain information on FNA areas, tracking details, operating altitudes, and specific areas to be avoided from:

- 22.2 The Manager  
Nitmiluk National Park  
PO Box 344  
Katherine NT 0851  
Phone: 08 8972 1886  
Fax: 08 8971 0702

- 22.3 Except when operating a pre-arranged scenic route at Katherine Gorge, pilots are requested not to fly below a MNM ALT of 2,000FT AMSL within the lateral limits above the Park:

**LATERAL LIMITS:** 140109S 1322145E - 142114S 1322205E  
then along the clockwise arc of a circle radius 10.00NM centre  
143116S 1322240E (YPTN/AD) - 142506S 1323049E - 141317S 1324729E  
then along the counter clockwise arc of a circle radius 30.00NM centre  
143116S 1322240E (YPTN/AD) - 140109S 1322145E

**VERTICAL LIMITS:** SFC - 2500

**HOURS OF ACTIVITY:** HJ, including Katherine Gorge are to use CTAF 126.7MHz.

- 22.4 **Katherine Gorge - Lateral Limits**

1419.7S 13224.0E, 1417.0S 13224.0E, 1413.4S 13237.0E, 1419.3S 13236.0E,  
1421.8S 13227.3E, 1419.7S 13224.0E

**23. FN 10 - NITMILUK (EDITH RIVER FALLS) NATIONAL PARK - Fly Neighbourly Advice**

- 23.1 This is an understanding between the locally based scenic flight operators and the Nitmiluk National Park to operate in the area in an agreed responsible manner. Other pilots undertaking sightseeing flights should obtain information on FNA areas, tracking details, operating altitudes, and specific areas to be avoided from:

- 23.2 The Manager  
Nitmiluk National Park  
PO Box 344  
Katherine NT 0851  
Phone: 08 8972 1886  
Fax: 08 8971 0702

- 23.3 Except when operating a pre-arranged scenic route at Edith Falls, pilots are requested not to fly below a MNM ALT of 2,000FT AMSL within the lateral limits above the Park:

When Tindal CTR is:

Inactive, pilots are to monitor/use CTAF 119.7 and 122.6 for operations in the zone.

Active, all operations on approach CTR on 120.95 unless otherwise directed by Tindal MIL CTR. Pilots are to monitor/use CTAF 119.7 as required.

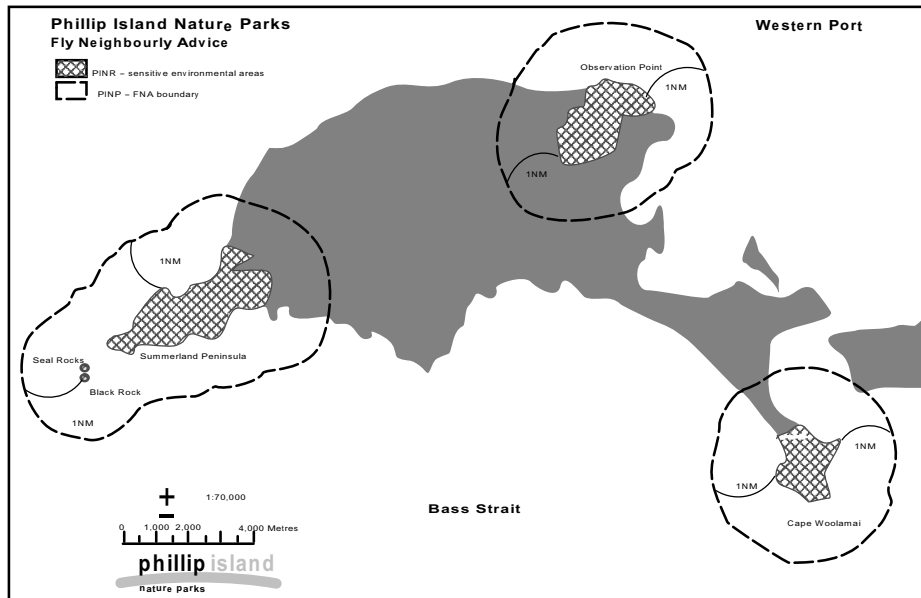
- 23.4 **Edith River Falls - Lateral Limits**

A circle of 2NM RAD centred on 1410.7S 13211.2E

**24. FN 11 - KALBARRI NATIONAL PARK - Fly Neighbourly Advice**

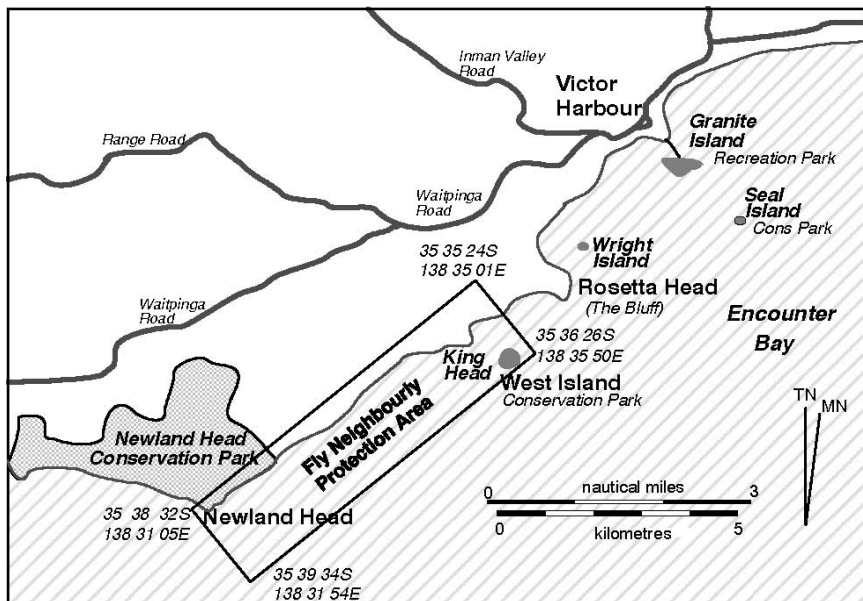
- 24.1 The Kalbarri National Park (the Park) is administered by the Western Australian Department of Conservation and Land Management, in accordance with the Conservation and Land Management Act 1984. The Park contains sensitive environmental areas. Pilots undertaking sightseeing or scenic flights should obtain details of scenic routes over the Park from the Senior Ranger.

- 24.2 The Senior Ranger may be contacted by Phone on 08 9937 1140, or by Fax on 08 9937 1437 or in writing to:  
Senior Ranger,  
Kalbarri National Park,  
PO Box 37,  
KALBARRI WA 6536
- 24.3 Except when operating scenic flights, pilots are requested to maintain a minimum altitude of 2,000FT AGL (being defined as the highest point of terrain, and any object on it, within a radius of 600M of a point vertically below the aircraft) unless operation at this altitude would jeopardise the safe conduct of the flight.
- 25. FN 12 - PHILLIP ISLAND NATURE PARKS - Fly Neighbourly Advice**
- 25.1 Phillip Island Nature Parks are administered by Phillip Island Nature Park Committee of Management in accordance with the Crown Land (Reserves) Act 1978. The park contains sensitive environmental areas including sensitive seabird and shorebird breeding, feeding and roosting sites of national and international importance.
- 25.2 Pilots are requested to not fly below 1,500FT within one (1) NM of these sensitive sites.
- 25.3 Flight over these sensitive sites should be avoided where possible and aircraft should be operated to minimise noise and visual impact from the ground.
- 25.4 Pilots undertaking sightseeing flights should obtain details of such sites and preferred routes, and associated altitudes, from the Phillip Island Nature Park, at the following address:  
Phillip Island Nature Park,  
PO Box 97,  
Cowes VIC 3922.  
Phone 03 5951 2800.
- 25.5 Pilots of aircraft, helicopters and airborne craft may not land or operated within the Park without permit from the Committee of Management at the above address.



**26. FN 13 - WAITPINGA CLIFFS, SOUTH AUSTRALIA****APPLICABLE 1ST JUNE - 31ST DECEMBER ANNUALLY**

- 26.1 A Fly Neighbourly protection area has been established around the Waitpinga Cliffs on Fleurieu Peninsula in South Australia to provide some protection to the vulnerable/threatened White Bellied Sea Eagle during its breeding season between 1 June and 31 December.
- 26.2 The Fly Neighbourly protection area extends from 353832S 1383105E to 353524S 1383501E to 353626S 1383550E to 353934S 1383154E. The length of the Fly Neighbourly Protection Area is approximately 4 nautical miles.



- 26.3 Pilots are requested to maintain a minimum altitude of 2,000FT AGL unless operation at this altitude would jeopardise the safe conduct of the flight. Pilots are also requested to keep constant RPM and pitch when flying in the vicinity of the Waitpinga Cliffs.
- 26.4 The District Manager may be contacted by Phone on 08 8552 0302, or fax on 08 8552 3950, or by writing to:  
The District Manager  
Department of Environment, Water and Natural Resources (DEWNR)  
PO Box 721  
Victor Harbour  
SA 5211.

**27. FN 14 - CARNARVON NATIONAL PARK, QUEENSLAND**

- 27.1 Carnarvon National Park is administered by the Department of Environment and Resource Management, Queensland Parks and Wildlife Service in accordance with the Nature Conservation Act, 1992.
- 27.2 Schedule 7 of the Nature Conservation (Protected Areas Management) Regulation, 2017, states the legislated minimum flying height over this protected area.
- 27.3 The minimum flying height over Carnarvon National Park is 1,500FT.
- 27.4 Exceptions can be made for emergencies, for approved filming and for management purposes.

- 
- 27.5 For further information contact the Ranger in Charge by phone (07) 4984 4505, Fax (07) 4984 4519 or in writing to:  
Ranger in Charge  
Department of Environment and Resource Management  
Queensland Parks and Wildlife Service  
Carnarvon NP, Gorge section  
via ROLLESTON, QLD. 4702.
- 28. FN 15 - CURRAWINYA NATIONAL PARK, QUEENSLAND**
- 28.1 Currawinya National Park is administered by the Department of Environment and Resource Management, Queensland Parks and Wildlife Service in accordance with the Nature Conservation Act, 1992.
- 28.2 Schedule 7 of the Nature Conservation (Protected Areas Management) Regulation, 2017, states the legislated minimum flying height over this protected area.
- 28.3 The minimum flying height over Currawinya National Park is 1,500FT.
- 28.4 Exceptions can be made for emergencies, for approved filming and for management purposes. For further information contact the Senior Ranger by phone (07) 4654 1255, Fax (07) 4654 1418 or in writing to:  
The Senior Ranger  
Department of Environment and Resource Management  
Queensland Parks and Wildlife Service  
PO Box 149,  
CHARLEVILLE. QLD. 4470.
- 29. FN 16 - HINCHINBROOK ISLAND NATIONAL PARK, QUEENSLAND**
- 29.1 Hinchinbrook Island National Park is administered by the Department of Environment and Resource Management, Queensland Parks and Wildlife Service in accordance with the Nature Conservation Act, 1992.
- 29.2 Schedule 7 of the Nature Conservation (Protected Areas Management) Regulation, 2017, states the legislated minimum flying height over this protected area.
- 29.3 The minimum flying height over Hinchinbrook Island National Park is 1,500FT.
- 29.4 Exceptions can be made for emergencies, for approved filming and for management purposes.
- 29.5 For further information contact the Senior Ranger by phone (07) 4066 8779, Fax (07) 4066 2041 or in writing to:  
Senior Ranger  
Department of Environment and Resource Management  
Queensland Parks and Wildlife Service  
PO Box 74  
CARDWELL. QLD. 4849.
- 30. FN 17 - CAPRICORNIA CAYS NATIONAL PARK AND CAPRICORNIA CAYS NATIONAL PARK (SCIENTIFIC), QUEENSLAND**
- 30.1 Capricornia Cays National Park and Capricornia Cays National Park (Scientific) are administered by the Department of Environment and Resource Management, Queensland Parks and Wildlife Service in accordance with the Nature Conservation Act 1992.
- 30.2 Schedule 7 of the Nature Conservation (Protected Areas Management) Regulation, 2017, states the legislated minimum flying height over this protected area.
- 30.3 The minimum flying height over Capricornia Cays National Park and Capricornia Cays National Park (Scientific) is 1,500FT.
- 30.4 Exceptions can be made for emergencies, for approved filming and for management purposes.
- 30.5 For further information contact the Operations Manager by phone (07) 4971 6500, Fax (07) 4972 1993 or in writing to:  
Operations Manager  
Department of Environment and Resource Management  
Queensland Parks and Wildlife Service  
PO Box 5065  
GLADSTONE. QLD. 4860.
-

**31. FN 18 - FREYCINET PENINSULA, TASMANIA - Fly Neighbourly Advice****Areas Affected by the Fly Neighbourly Advice (FNA)****31.1 The Reserves**

Administered by the Tasmanian Government's Parks and Wildlife Service (PWS), the area includes Freycinet National Park, Coles Bay Conservation Area and Moulting Lagoon Game Reserve. Apsley Marshes which adjoins the Moulting Lagoon Game Reserve is private property.

**31.2 Ramsar Sites**

Moulting Lagoon Game Reserve and Apsley Marshes are both designated Ramsar sites.

**31.3 Sensitive Environmental Areas (SEA) associated with The Reserves and Ramsar Sites.**

There are many SEA due to the presence of wedge-tailed eagle and white-bellied sea-eagle nest sites, seabird, shorebird and water fowl breeding, feeding and roosting sites as well as seal haul-out areas.

**31.4 Preferred Altitudes and Operation**

The preferred minimum over-flight altitude for the Reserves and the Ramsar sites is 1,500FT above the ground or water. The recommended over-flight altitude of the SEA (at the centre of the SEA) is 3,000FT above ground or water. See the PWS website for details. It is preferred that aircraft operate off-shore as much as possible, at the highest possible altitude and greatest lateral distance from features of scenic interest.

**31.5 Landing**

Except in an emergency, no flight is permitted to land at any location within:

- a. the Reserves without approval from the PWS; or
- b. the Apsley Marshes Ramsar site without approval of the land owner.

Further information is available in the full version of the FNA on the PWS website. All pilots operating in the affected areas are requested to adhere with the FNA.

Freycinet National Park

Parks and Reserves Manager (North-east Coast)

Private Bag 5

Bicheno, Tasmania 7215

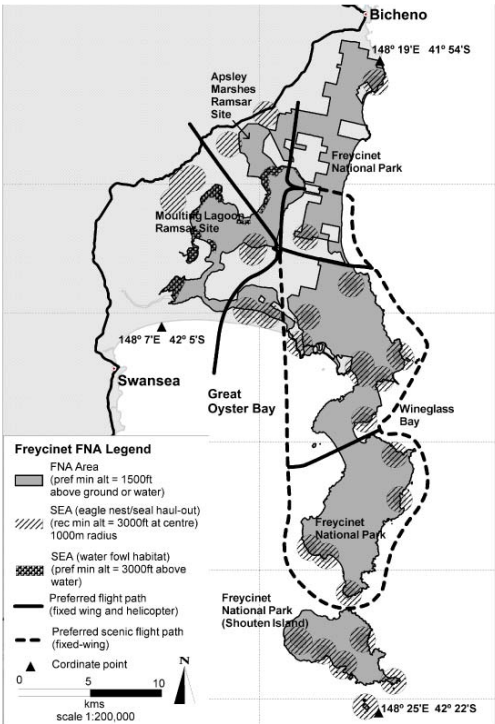
Phone: 03 6256 7000

Fax: 03 6256 7090

Email: [freycinet@parks.tas.gov.au](mailto:freycinet@parks.tas.gov.au)

Web: [www.parks.tas.gov.au](http://www.parks.tas.gov.au)

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32. **FN 19 - INNES NATIONAL PARK AND ALTHORPE ISLANDS CONSERVATION PARK, SOUTH AUSTRALIA**

32.1 **Areas Affected by the Fly Neighbourly Advice (FNA)**  
**Innes National Park and Althorpe Islands Conservation Park**

Administered by the Department of Environment, Water and Natural Resources (DEWNR), the FNA includes three areas for the protection of endangered White-bellied Sea Eagle and Eastern Osprey.

- a. Pondalowie Bay: Royston Head to West Cape.
- b. The Gap: Ethel Beach, along the coast and extending to Haystack and Seal Islands.
- c. Althorpe Island: Althorpe Island and surrounding islands.

32.2 **Preferred Altitudes and Operation, from 1 June to 31 December**

- a. The preferred minimum over-flight altitude is 2,000FT above ground level. However, altitudes less than 5,000FT may have a detrimental effect on endangered seabirds.
- b. Maintain constant RPM/pitch (avoiding sudden changes in engine management).
- c. Aerial operations should be kept to a minimum and be operated at an altitude and configuration that will minimise noise and visual impact for ground observers.
- d. Avoid hovering and repeat passes or circuits.

32.3 **Landing**

Landing is restricted on DEWNR land within the Yorke District under the *National Parks and Wildlife Act 1972* and *National Parks and Wildlife (National Parks) Regulations 2016*.

32.4 All pilots operating in the affected areas are requested to adhere with the FNA.



Further information is available in the full version of the FNA on the DEWNR website, or by contacting the Yorke District Office.

District Manager, Yorke

Department of Environment, Water and Natural Resources (DEWNR)

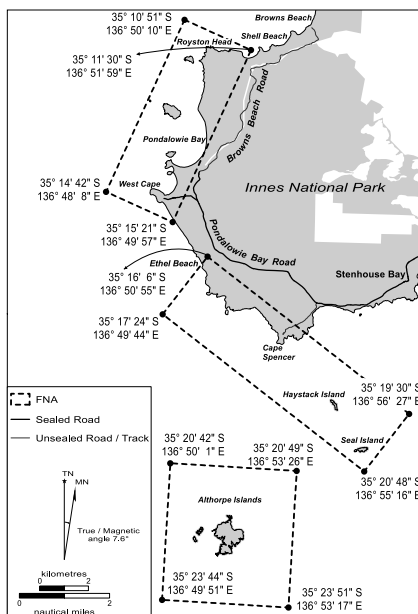
CMB Stenhouse, SA 557

Ph: (08) 8554 3203

Fax: (08) 8554 3299

Email: [DEWNRInnesNationalPark@sa.gov.au](mailto:DEWNRInnesNationalPark@sa.gov.au)

Web: [www.environment.sa.gov.au](http://www.environment.sa.gov.au)



### 33. FN 20 - KANGAROO ISLAND

#### Areas Affected by the Fly Neighbourly Advice (FNA)

##### 33.1 Kangaroo Island

Lands administered by the Department of Environment, Water and Natural Resources (DEWNR) include:

- Wilderness Protection Areas (not forming part of this FNA except where overlain by a Sensitive Avoidance Area);
- National and Conservation Parks;
- Crown Lands (includes most of the coastal strip of Kangaroo Island) where not vested in the control of others.

Extending over some lands managed by DEWNR (and "connecting" areas of freehold) and the adjoining areas of sea, are six Sensitive Avoidance Areas (SAAs) (refer to the map).

SAAs are principally for the protection of the birds (e.g. nesting areas for cliff dwelling raptors especially the endangered White-bellied Sea Eagle and Eastern Osprey); shorebirds (e.g. Fairy Terns); waterbirds and seals (especially haul out and breeding areas for the endangered Australia Sea-lion). They are labelled on the map (where geographical coordinates are also provided) as:

- Cape Gantheaume coast from Point Tinline southwest to Cape Gantheaume.
- Seal Bay coast from Bales Bay to the park boundary west of Nobby Island.
- Vivonne Bay Conservation Park coast.

- D. Coast from South West River at Hanson Bay then westerly through Cape Younghusband, Remarkable Rocks, Cape du Couedic, then southwest to Casuarina Islets (The Brothers).
- E. Paisley Islet near West Bay.
- F. Coast from Cape Borda east to the eastern boundary of the Western River Wilderness Protection Area.

33.2 Preferred Altitudes (all year round)

National and Conservation Parks:

The preferred minimum altitude is 1,500FT AGL.

Sensitive Avoidance Areas:

The preferred minimum altitude is 2,000FT AGL.

The preferred minimum lateral distance at the SAAs is 600M from the coastline (both inland and seaward).

33.3 Landing

Landing is restricted on DEWNR land within the Kangaroo Island Region pursuant to the *National Parks and Wildlife Act 1972* and *National Parks and Wildlife (National Parks) Regulations 2016*. This does not apply to emergency situations.

33.4 All pilots operating in the affected areas are requested to adhere with the FNA.

Further information is available in the full version of the FNA on the DEWNR website.

Regional Director

Department of Environment, Water and Natural Resources

PO Box 39

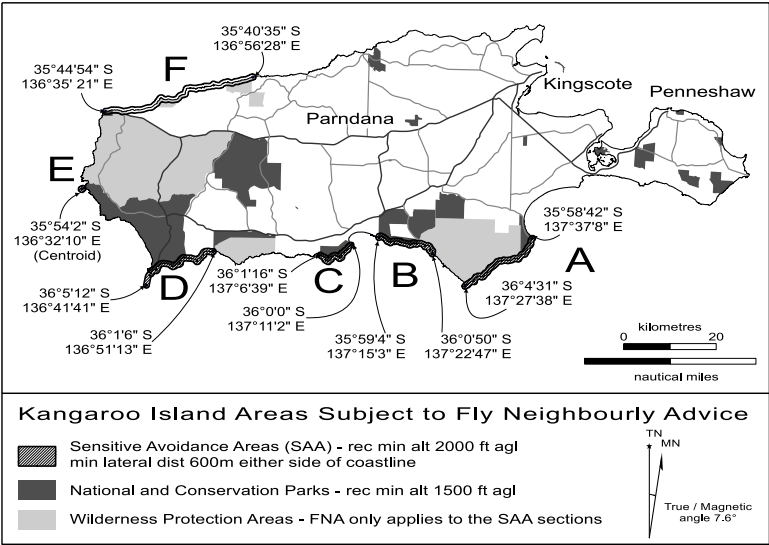
KINGSCOTE, KANGAROO ISLAND, SA 5223

Ph: (08) 8553 4444

Fax: (08) 8553 2531

Email: kibusinesssupport@sa.gov.au

Web: www.environment.sa.gov.au



34. FN 21 - SYMBIO WILDLIFE PARK, HELENSBURGH, SYDNEY, NSW

Areas Affected by the Fly Neighbourly Advice (FNA)

34.1 Symbio Wildlife Park

The SWP contains a wide range of native and exotic animal species including Tasmanian Devils, Cassowarys, Dingos, Sumatran Tigers, Red Pandas and Pygmy Marmosets, and there is a need to minimise stress induced by aircraft noise.

**34.2 FNA Location**

The FNA is a 0.5NM radius circle centred on 3412.5S 15058.0E.

**34.3 Preferred Altitudes and Operations**

- a. Avoid hovering and repeat passes or orbits.
- b. The preferred over-flight altitude is 2,500FT AMSL.
- c. Maintain constant RPM/pitch (avoiding sudden changes in engine management).

**34.4 All pilots operating in the affected areas are requested to adhere with the FNA.**

Further information is available from:

Symbio Wildlife Park

7-11 Lawrence Hargrave Drive

HELENSBURGH, NSW 2508

Ph (02) 4294 1244

Email: [info@symbiozoo.com.au](mailto:info@symbiozoo.com.au)

Web: <http://symbiozoo.com.au>

**35. FN 22 - TASMAN NATIONAL PARK, TASMANIA**

Area affected by the Fly Neighbourly Advice (FNA)

**35.1 Tasman National Park**

A Fly Neighbourly protection area has been established in the southern section of the Tasman National Park to provide some protection to vulnerable natural values (e.g. eagles and seals), experiences of visitors and nearby residents. The Tasmania Parks and Wildlife Service (PWS) manages the Tasman National Park.

**35.2 The FN applies to:**

- a. the southern sections of the Tasman National Park south of a line that extends west from the Hippolyte Rocks to Bivouac Bay, and to the northern end of White Beach and Wedge Island; and
- b. includes the Three Capes Track.

**35.3 Preferred Operations**

All pilots operating in the area are requested to adhere to the FN.

- a. Sensitive Environmental Areas (SEA):
  - (i) avoid eagle nests by a 3,000FT (1,000M) buffer during eagle breeding season, and do not hover over eagle nests at any time of the year;
  - (ii) avoid important seal habitat by a 1,650FT (500M) buffer; and
  - (iii) only fly in the vicinity of important burrowing seabird habitat during daylight hours, and avoid the Hippolyte Rock area at all times of the day and night.
- b. The preferred minimum overflight altitude for the Tasman National Park is 1,650FT (500M) above ground or water.
- c. It is preferred that aircraft operate offshore as much as possible, at the highest possible altitude and greatest lateral distance, from features of scenic interest.
- d. Avoid hovering and repeat passes or orbits, especially near the Three Capes Track and offshore islands.
- e. Maintain constant RPM/pitch (avoid sudden changes in engine management, which can startle or disturb wildlife).

**35.4 Landings**

Except in an emergency, aircraft are not permitted to land at any location within the Tasman National Park without written approval from the PWS.

**35.5 Additional Information**

The full version of this FN is available for download from the PWS website.

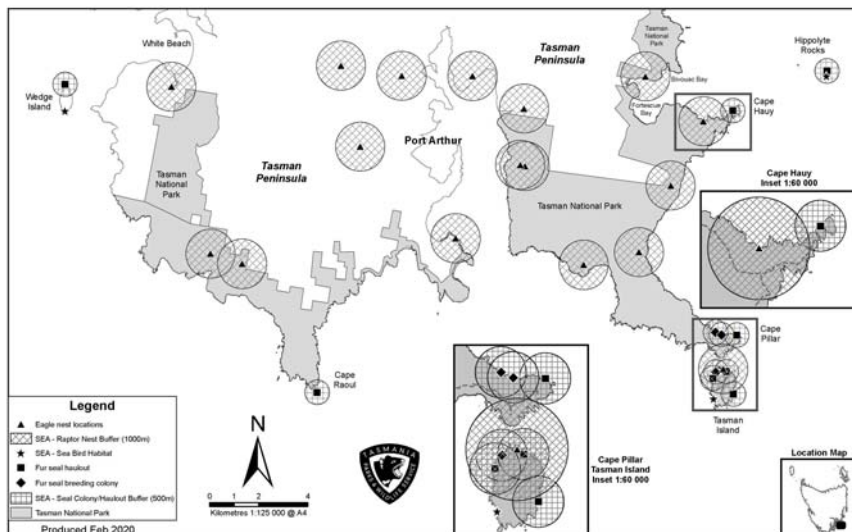
Tasmania Parks and Wildlife Service

Tasman National Park

PH: 03 6250 3980

Email: [tasmannp@parks.tas.gov.au](mailto:tasmannp@parks.tas.gov.au)

Website: [https://parks.tas.gov.au/Documents/Fly\\_Neighbourly\\_Tasman\\_National\\_Park.pdf](https://parks.tas.gov.au/Documents/Fly_Neighbourly_Tasman_National_Park.pdf)



**FIS: IN FLIGHT INFORMATION SERVICES****1. AUTOMATIC BROADCAST SERVICES****1.1 AWIS locations not listed in ERSA-FAC**

| Location       | State | Frequency | Phone        |
|----------------|-------|-----------|--------------|
| Batchelor      | NT    |           | 08 7922 2501 |
| Kilmore Gap    | VIC   | 128.6     | 03 8470 3210 |
| Moss Vale      | NSW   |           | 02 9353 6437 |
| Mount Boyce    | NSW   |           | 02 9353 6438 |
| Murrurundi Gap | NSW   |           | 02 9353 6440 |
| Samuel Hill    | QLD   |           | 07 3564 3736 |
| Tarcoola       | SA    |           | 08 8150 3818 |

**2. ON-REQUEST IN-FLIGHT INFORMATION SERVICE**

- 2.1 Pilots should ensure they pre-fix any request for FIS on VHF with the callsign "FLIGHTWATCH". When operating on HF also include the frequency, for example: "FLIGHTWATCH, ROMEO JULIET DELTA, SIX FIVE SIX FIVE, REQUEST ACTUAL WEATHER Halls Creek"

*Note: This helps to identify the service required and your location.*

- 2.2 Requests will be dealt with on a "first come-first served" basis.
- 2.3 Pilots should be mindful that flight information services provided on HF by the FIS may be delayed while communications for traffic information services are being relayed between air traffic control and pilots of IFR flights.

**3. HAZARD ALERTS**

- 3.1 Hazard Alerts contain information, assessed by ATS to have an immediate and detrimental effect on the safety of an aircraft, that could assist pilots to avoid hazardous situations. Hazard Alerts will be:
- a. broadcast on the appropriate ATS FREQ as necessary. Broadcasts will normally be made on receipt, H + 15 and H + 45 or until the availability of an updated FIS product (MET or NOTAM) has been broadcast; and
  - b. directed to those aircraft maintaining continuous communications with ATS at the time the hazard is assessed that are within one hour flight time of the hazardous conditions.

**4. CANCELLATION OF SARWATCH (FULL REPORTING)**

- 4.1 The preferred method for pilots using full reporting procedures to cancel SARWATCH is via radio. When two way radio communications are not available, pilots wishing to cancel SARWATCH may do so by telephoning the appropriate ATC Centre:  
Brisbane ATC Centre 07 3866 3868^  
Melbourne ATC Centre 03 9235 2039^.

**5. CANCELLATION OF SARTIME**

- 5.1 Except when a SARTIME for Departure has been nominated to ATC for an intermediate arrival and departure, all SARTIMEs nominated to Aircservices will be held by CENSAR. For those SARTIMEs that will be held by CENSAR, pilots must show CENSAR as the unit responsible for a location when submitting flight notifications.
- 5.2 The preferred method to cancel a SARTIME is via telephone to CENSAR on 1800 814 931^. When telephone facilities are not available you may use ATS frequencies.
- 5.3 Pilots are encouraged to nominate a suitable time period for a SARTIME that will provide sufficient time for the flight to take place and to reach suitable facilities for cancellation in the event that radio contact is not available.

- 5.4 Whenever possible a single SARTIME should be nominated to encompass a number of flights that have short time intervals, rather than nominating a SARTIME for each flight stage. Nomination should be by flight notification direct to the FIS and CENSAR.

## 6. SAFETY RELATED MATTERS

- 6.1 Telephone services may be used to contact Australian ATS units or the Joint Rescue Coordination Centre (JRCC) Australia, as appropriate, for urgent, non-routine and safety-related matters. Telephone numbers are listed below:

| <b>Airservices Australia</b>                             |                 |
|----------------------------------------------------------|-----------------|
| Brisbane ATC Centre                                      | 07 3866 3868^   |
| Melbourne ATC Centre                                     | 03 9338 4032^   |
| Perth ATC Centre                                         | 08 9476 8545^   |
| Sydney ATC Centre                                        | 02 9556 6875^   |
| <b>Joint Rescue Coordination Centre (JRCC) Australia</b> |                 |
| SAR Hotline (within Australia)                           | 1800 815 257    |
| SAR Hotline (outside Australia)                          | +61 2 6230 6899 |

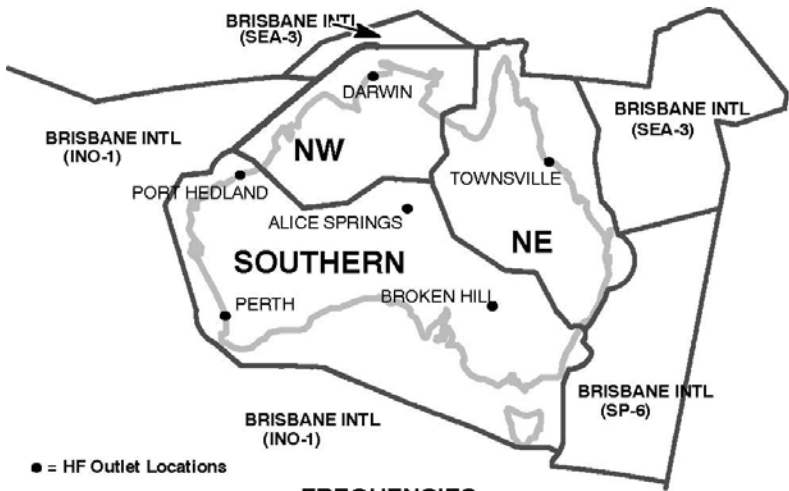
## 7. UPDATE OF SPFIB/AVFAX PRODUCTS

- 7.1 Pilots in receipt of NAIPS SPFIB or AVFAX briefings may quote the briefing identification number from the top of the first page of the briefing to obtain an update to the NOTAM and the latest MET INFO when airborne, through FLIGHTWATCH. The number is available from the first page of the briefing text. This will ensure that only the route, area and location NOTAM held are updated and will avoid repetition. For example - "FLIGHTWATCH, ALPHA BRAVO CHARLIE, REQUEST UPDATE ON SPFIB (OR AVFAX) BRIEFING NUMBER NINER ZERO ZERO ZERO ONE (90001)."

## 8. FAILURE OF GROUND STATION EQUIPMENT

- 8.1 In the unlikely event of failure of groundstation SSB equipment an alternative SSB FREQ should normally be available to ensure that ACFT are provided with HF communications.

9. FLIGHTWATCH HF ORGANISATION



FREQUENCIES

|               |      |      |      |       |               |      |      |       |       |             |
|---------------|------|------|------|-------|---------------|------|------|-------|-------|-------------|
| NORTH WESTERN | 3452 | 6541 | 8843 | SP-6  | BRISBANE INTL | 3467 | 5643 | 8867  | 13261 | 17904 (KHZ) |
| NORTH EASTERN | 3452 | 6610 | 8831 | SEA-3 | BRISBANE INTL | 3470 | 6556 | 11396 | 13318 | 17907 (KHZ) |
| SOUTHERN      | 3461 | 6565 | 8822 | INO-1 | BRISBANE INTL | 3476 | 5634 | 8879  | 13306 | 17961 (KHZ) |

- 9.1 Australia is divided into six HF Network Areas known as Regional Domestic Air Route Areas (RDARA). Details of the HF FREQ organisation is shown on PCA. All FREQ quoted are suppressed carrier FREQ, and the upper sideband mode is used. These HF FREQ are operated from Brisbane.
- 9.2 Depending on HF propagation conditions, the best useable RDARA/MWARA frequencies for reception will vary. Pilots can access up to date primary and secondary frequencies for all Domestic and International HF through the Airlservices website. Access is made through Pilot Briefing Services, Location Briefing. Each HF area has been allocated a unique code and once entered into Location Briefing will provide an up to date primary and secondary HF frequency for that selected area. Enter the code that represents the area required in the following table.

| RDARA               | LOCATION CODE |
|---------------------|---------------|
| Southern            | 165           |
| North Western       | 170           |
| North Eastern       | 175           |
| MWARA               |               |
| SP-6 Brisbane INTL  | 150           |
| INO-1 Brisbane INTL | 155           |
| SEA-3 Brisbane INTL | 160           |

10. ATS AREA FREQUENCIES AT UNCONTROLLED AERODROMES

- 10.1 These are shown on en route and terminal charts.
- 10.2 HF facilities are remotely operated; proximity to these may affect frequency selection. The location of HF outlets and the frequencies operated from each outlets are shown above.

## 11. LOW JET ROUTES

- 11.1 Routes at or below 5,000FT AGL used by military aircraft for low level, high speed operations are designated as Low Jet Routes (LJR). Routes are planned to avoid:
- a. controlled airspace administered by Airservices Australia;
  - b. restricted and danger areas not administered by the ADF;
  - c. civil aerodromes listed in ERSA by at least 5NM laterally or 4,000FT vertically;
  - d. aerodromes where carriage and use of radio is required unless equipped with the appropriate radio frequency; and
  - e. sensitive areas and oil/gas platforms as detailed in ERSA.
- 11.2 Notification of routes and duration of LJR operations will be by NOTAM. Information on LJR activity in your area is available from the pre-flight briefing service and FLIGHTWATCH.
- 11.3 Aircraft using LJR may be camouflaged and emit little or no smoke trail, although they will normally show anti-collision beacons. They may operate singly or in close or loose formation. Significant wake turbulence and a large turn radius may be expected.
- 11.4 All LJR aircraft are equipped with UHF and some also have VHF and HF. However, they may often be out of communications (NOCOM) for part of their flight. Although most LJR aircraft are radar equipped, these radars do not enable avoidance of conflicting aircraft.
- 11.5 WHERE POSSIBLE, PILOTS SHOULD PLAN THEIR FLIGHTS TO AVOID ACTIVE LJR.
- 11.6 The following LJR are activated HJ and are flown by F18 aircraft operating at or BLW 5,000FT AGL:
- a. M641/R638 - 10NM SSW Baryulgil below 3,000FT AGL - Gatton (Climb Point) - Amberley.
  - b. M641/R638 - Coastal below 3,000FT AGL - Gold Coast - Point Lookout (Stradbroke Island) - Brisbane.
  - c. Point Lookout - Gold Coast- Coastal below 5,000FT AGL - M641/R638.
  - d. M641/R638 - Casino 231025 - Amberley 191043 - Amberley.
  - e. Sandy Cape - Coastal below 3,000FT AGL - Double Island Point - Bribie Island - Cape Moreton - Point Lookout.
  - f. Point Lookout - Cape Moreton - Bribie Island - Coastal below 3,000FT AGL - Double Island Point - Sandy Cape.
- Note: A number of other LJR and Defence activities are in operation at various times in addition to those shown above and will be advised by NOTAM when necessary.*

## 12. NIGHT VISION DEVICES AND EQUIPMENT

- 12.1 Night vision devices and equipment are used in defence, security and law enforcement operations. Current equipment is:
- a. Night Vision Goggles (NVG) - helmet mounted light amplifying binoculars which sense minute amounts of visible and near infra red light under conditions of near darkness and enhance them through an image intensifier tube assembly.
  - b. Low Light Television (LLTV) - aircraft equipment which uses TV cameras with powerful zoom lenses, with or without image intensifiers for low light conditions.
  - c. Forward Looking Infra Red (FLIR) - aircraft mounted sensor which detects temperature differences and displays on a screen, thermal images. May also be capable of looking along other axes. Used in SAR, law enforcement and defence applications.
- 12.2 Various limitations are placed on the aircraft and crews using these devices. In particular, NVG require modifications to aircraft lighting. Masking or extinguishing external lights may create difficulties for other traffic and ATC in providing visual separation, particularly since most of the defence aircraft involved are camouflaged. Much of this activity is carried out at low level and may involve abrupt manoeuvring.

## 13. LOW LEVEL FLIGHTS - NOTIFICATION

- 13.1 Flights at very low level will advise their operating band of levels in the flight notification. Aircraft unlit, or with masked external lights will advise their operating area. In controlled airspace, other traffic will be advised of the activity and separation will be achieved using local procedures agreed between ATS and the night vision device user. In Class G airspace, notification of low level flights will be provided by NOTAM.



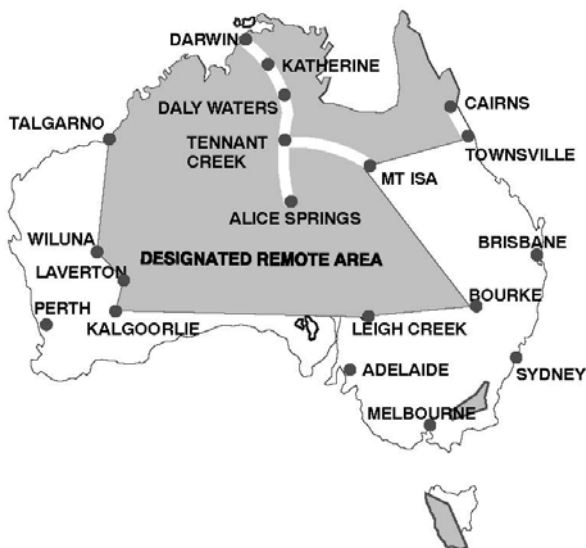
## 14. PRECAUTIONS

- 14.1 Because of the likely activities of these device users, e.g. surveillance, law enforcement, SAR and military operations, significant variations to normal aircraft operating procedures may be encountered. Pilots should acquaint themselves of the activity by making use of pre-flight briefing facilities and when in flight take account of possible non-standard procedures.
- 14.2 Aircraft operating in close proximity to such traffic may request that external lighting be displayed. Night agricultural operators in areas known to be used for night vision device training (e.g. Oakey and Townsville) should advise defence authorities of their intentions.

## 15. HIGH ALTITUDE BALLOON FLIGHTS

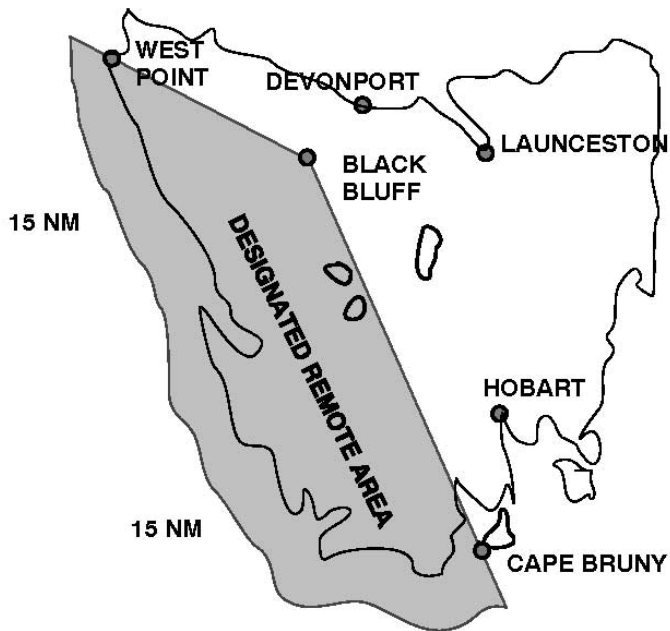
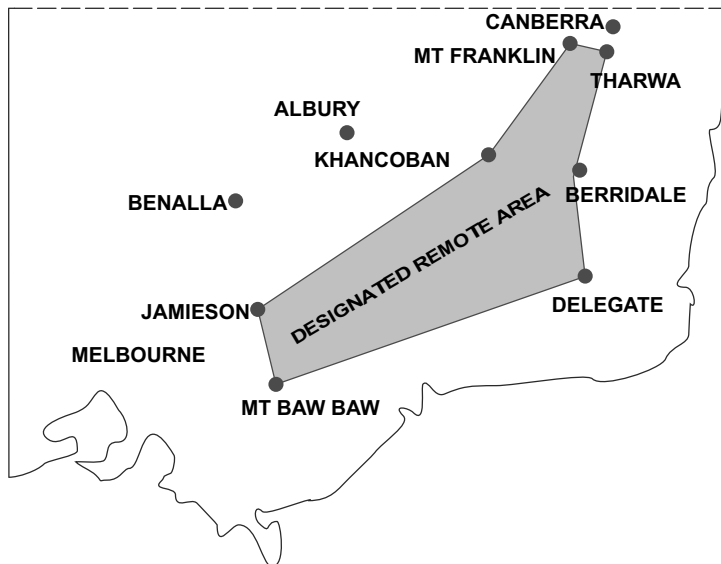
- 15.1 Large helium-filled plastic balloons are launched periodically from various locations. They carry scientific equipment to record data from the upper atmosphere and normally ascend to altitudes in excess of 70,000 FT with flight duration of 80 hours or more. The main balloon launching station is at Alice Springs but other launching sites, e.g. Charleville, may also be used. Where possible, flight paths will be selected so that the recovery area is outside the more densely populated Eastern/South Eastern/South Western areas. Notification will be by NOTAM.

## 16. DESIGNATED REMOTE AREAS



### Notes:

1. ACFT planned to operate within or through the designated remote area shown in this section are required to carry survival equipment suitable for sustaining life in the area over which the flight is planned as per the civil aviation legislation relevant to their operation.
2. Flight through corridors must be made within sight of and not more than five miles from the highway concerned.
3. Australian administered islands adjacent to the Remote Area between Anna Plains and Cairns are part of the Designated Remote Area.
4. Mainland within 50NM of Darwin excluded from Designated Remote Area.



## **17. UNMANNED AERIAL VEHICLE (UAV) TESTING**

### **17.1 Introduction**

- 17.1.1 Unmanned Aerial Vehicle operations including testing and development take place in various Danger Areas and military Restricted Areas.
- 17.1.2 Temporary Danger Areas may be promulgated for other UAV operations if CASA considers there is a risk to other flights such that pilots need to be warned of the danger in order to take appropriate precautions.

### **17.2 UAV Operations**

- 17.2.1 UAVs may be flown autonomously within the designated areas, but are subject to operator input. The operator will maintain continuous two way communications on the appropriate aeronautical frequencies, make regular broadcasts advising location, altitude and intention of the UAV and will respond to calls.
  - 17.2.2 Pilots wishing to operate within a Danger Area designated for UAV activity are advised to contact the UAV ground station on the appropriate FIA/CTAF e.g. "UAV TRAFFIC - [location] AREA THIS IS....". While no response from the ground station would normally mean that no UAV is airborne, pilots are encouraged to maintain an enhanced lookout.
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## NAVIGATION AND COMMUNICATION

### 1. **ADF MODERNISED HIGH FREQUENCY COMMUNICATIONS SYSTEM (MHFCS)**

- 1.1 The ADF MHFCS is a high frequency (3-30MHz) radio network providing communication services for the operational control and support of ADF and allied aircraft, marine craft and land units. Visiting military aircraft may use either the ADF or RNZAF system when contact with Australian/New Zealand based military authorities is required. Neither system provides a civil or military Air Traffic Control Service.
- 1.2 The ADF MHFCS is centrally controlled by the Defence Communications Station Canberra (DCSC) at the Network Management Facility (NMF) located in Canberra, ACT, Australia.
- 1.3 The MHFCS system consists of four Transmit and Receive Nodes located at:

|                            |                           |
|----------------------------|---------------------------|
| EXMOUTH, Western Australia | TOWNSVILLE, Queensland    |
| DARWIN, Northern Territory | RIVERINA, New South Wales |

These nodes are remotely controlled from the NMF.

- 1.4 DCSC provides 5 continuously monitored Voice Contact Net (VCN) frequencies from each of the four nodes as follows:

| VCN   | Assigned   | Dial/Suppressed carrier | Hours of Operation |
|-------|------------|-------------------------|--------------------|
| VCN 1 | 22869.5kHz | 22868kHz                | Continuous         |
| VCN 2 | 5879.5kHz  | 5878kHz                 | Continuous         |
| VCN 3 | 9048.5kHz  | 9047.0Hz                | Continuous         |
| VCN 4 | 15963.5kHz | 15962kHz                | Continuous         |
| VCN 5 | 12173.5kHz | 12172kHz                | Continuous         |

- 1.4.1 Emission: 3K00J3E (Offset - subtract 1.5kHz from assigned)
- 1.4.2 Discrete frequencies are available as required and allocated after initial contact on the VCN.
- 1.4.3 Telephone patch facilities between aircraft and ground appointments are available as required, after initial contact on VCN.
- 1.4.4 Continuous monitoring of military distress frequency 5696kHz.
- 1.4.5 SELCAL. Available to suitably equipped aircraft/vessels.
- 1.5 **Hours of Operation**  
DCSC - H24.
- 1.6 **Mode Of Operation**  
DCSC is capable of operating independent side band (ISB) or AM modes however, the normal mode of operation is Upper Side Band (USB) or suppressed carrier.
- 1.7 **Callsign**  
DCSC uses the following self evident callsign: "Canberra Control".
- 1.8 Telephone/fax contact numbers:

| Location | Telephone       | Fax             |
|----------|-----------------|-----------------|
| DCSC     | +61 2 6263 8126 | +61 2 6263 8143 |

### 2. **RNZAF AIR OPERATIONS COMMUNICATIONS CENTRE AUCKLAND (AOCCAK)**

- 2.1 AOCCAK is a high frequency (3-30MHz) station providing HF communications services to RNZAF, RAAF and other allied aircraft. Visiting military aircraft may use either the ADF or RNZAF system when contact with Australian/New Zealand based military authorities is required. Neither system provides a civil or military Air Traffic Control Service.
- 2.2 AOCC Auckland is located at RNZAF Whenuapai, Auckland, New Zealand.
- 2.3 AOCCAK provides 4 General Purpose Net (GPN) frequencies, which consist of the following (note station hours of operation are currently not 24/7):

| Assigned   | Dial/Suppressed Carrier | Normal Hours of Operation | When 24HR Operations |
|------------|-------------------------|---------------------------|----------------------|
| 3033.4kHz  | 3032kHz                 | 0900-1000Z<br>1900-2100Z  | 0900-2100Z           |
| 5688.4kHz  | 5687kHz                 | 1900-1000Z                | CONTINUOUS           |
| 8975.4kHz  | 8974kHz                 | 1900-1000Z                | CONTINUOUS           |
| 11236.4kHz | 11235kHz                | 1900-1000Z                | CONTINUOUS           |
| 13207.4kHz | 13206kHz                | 2100-0900                 | 2100-0900            |

- 2.3.1 Emission 2K80J9W (Offset - Subtract 1.4kHz from assigned).
- 2.3.2 Discrete frequencies are available as required and allocated after initial contact on the GPN.
- 2.3.3 Telephone patch facilities between aircraft and ground appointments are available in emergencies or at supervisor's discretion.
- 2.3.4 SELCAL. Available to suitably equipped aircraft/vessels.
- 2.4 **Hours of Operation**  
AOCCAK - 1900Z - 1000Z daily
- 2.5 **Mode of Operation**  
AOCCAK is capable of operating Independent Side Band (ISB), the normal mode of operation is Upper Side Band (USB) or suppressed carrier.
- 2.6 **Callsign**  
AOCCAK uses the following self evident callsign: "Air Force Auckland".
- 2.7 Telephone contact number.  
AOCCAK -: +64 9 417 7831.
3. **MILITARY HF COMMUNICATIONS**
- 3.1 In addition to that which DCSC supplies, the following HF nets are available:

a. RAAF Butterworth. Aircraft transiting to/from Butterworth may relay message traffic via DCSC. Aircraft requiring HF contact with Butterworth are to make prior arrangement through DCSC.

b. PNGDF General Purpose Network

| Location     | C/S  | Frequencies                                  | HR of OPS    |
|--------------|------|----------------------------------------------|--------------|
| Port Moresby | P2A2 | 5746(P) LGG<br>7496(S) LGH<br>3175 (S) LGF   | H24          |
| Lae          | P2A3 | 5746 (P) LGG<br>7496 (S) LGH<br>3175 (S) LGF | 2200-0700 JO |

4. **AIR-TO-AIR COMMUNICATIONS - CIVIL**
- 4.1 Interpilot air-to-air communications in Australian FIRs may be conducted on frequency 123.45MHz. Aircraft engaged in flights over remote and oceanic areas, out of range of VHF ground stations, and not in the vicinity of a charted non-controlled aerodrome, should use this channel to exchange operational information. Communications between aircraft on this frequency are restricted to the exchange of information relating to aircraft operations. Communications are to be established by either a directed call to a specific aircraft or a general call, taking into account conditions pertaining to the use of the particular channel. As target aircraft may be guarding more than one frequency, the initial call should include the distinctive channel identification "INTERPILOT" or identification of the air-to-air frequency.
- 4.2 The following examples illustrate the application of the calling procedures.

a. Qantas 2, SPEEDBIRD 15, INTERPILOT, DO YOU READ?; or

b. ANY AIRCRAFT VICINITY 10S 135E, QANTAS 5, 123.45, OVER.

**5. AIR TRAFFIC SERVICES DATALINK SERVICES****5.1 HF SELCAL Check**

- 5.1.1 For aircraft departing Australian airspace, a SELCAL check is not mandatory. However, flight crews wishing to satisfy themselves with HF performance should perform a SELCAL check after departure, but prior to being transferred to CPDLC. The primary HF frequency will be advised with the transfer instruction. The HF operator will confirm the primary and secondary HF frequencies on first contact.
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**AIRCRAFT EMERGENCY PROCEDURES****1. RECOMMENDED PROCEDURES FOR ANY EMERGENCY PHASE****1.1 Emergency SSR Codes - EMERGENCY 7700 - RADIO FAILURE 7600**

| <b>Circumstances</b>                                                                                                                                                                                                                                                                                     | <b>Phraseologies</b><br><b>* Denotes pilot transmission</b>                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Distress message                                                                                                                                                                                                                                                                                      | a.* MAYDAY [MAYDAY, MAYDAY]<br><i>followed as necessary by:</i><br><i>(i) (station addressed)</i><br><i>(ii) (aircraft identification)</i><br><i>(iii) (nature of distress condition, e.g. FUEL or EMERGENCY DESCENT)</i><br><i>(iv) (intentions)</i><br><i>(v) (position, level and heading)</i><br><i>(vi) (any other useful information).</i>                                                                                                                                       |
| 2. Acknowledgement of distress message<br>ATC acknowledgement of MAYDAY call<br>ATC acknowledgement of MAYDAY on frequency transfer<br>Imposition of radio silence<br>ATC broadcast for emergency descent traffic<br><br>Cancellation of distress condition<br>Termination of distress and radio silence | a. ROGER MAYDAY<br><br>b. MAYDAY [(type of emergency)]<br>ACKNOWLEDGED<br><br>c. STOP TRANSMITTING MAYDAY<br><br>d. EMERGENCY DESCENT AT<br><i>(significant point or location)</i> ALL<br>AIRCRAFT BELOW <i>(level)</i><br>WITHIN <i>(distance)</i> OF<br><i>(significant point or navigation aid)</i><br>[LEAVE IMMEDIATELY]<br>[(specific instructions as to direction, heading or track, etc.)]<br><br>e.* CANCEL DISTRESS<br><i>(information)</i><br><br>f. DISTRESS TRAFFIC ENDED |
| 3. Urgency message<br><br><br>ATC acknowledgement of PAN call<br>ATC acknowledgement of PAN on frequency transfer                                                                                                                                                                                        | a.* PAN PAN [PAN PAN, PAN PAN]<br><i>followed as necessary by:</i><br><i>(i) (station addressed)</i><br><i>(ii) (aircraft identification)</i><br><i>(iii) (nature of the condition e.g. MEDICAL PRIORITY REQUIRED or WEATHER DEVIATION REQUIRED)</i><br><i>(iv) (intentions)</i><br><i>(v) (position, level, heading)</i><br><i>(vi) (any other useful information).</i><br><br>b. ROGER PAN<br><br>c. PAN [(type of emergency)]<br>ACKNOWLEDGED                                       |

- 1.1.1 If no answer to distress/urgency, call/message, use the following appropriate frequencies, broadcasting before changing to the next selected frequency.
- Any other aeronautical en route frequency.
  - 121.5 MHz or 243.0 MHz (R/T): International and Military emergency.
  - 5696 USB DCSA HFCS distress frequency.
  - 4125, 6215 and 8291 kHz (R/T, USB): Australian coastal/ship.
  - 3023 and 5680 kHz. World wide A/G frequencies.
  - 2182 kHz (R/T): International small ships. DF available.

1.2 **Notification of Emergency Using Datalink**

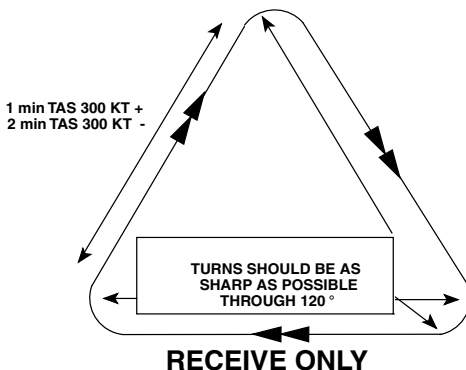
- 1.2.1 Depending on the nature of the emergency condition experienced, flight crew should notify ATS of the circumstances by the most efficient means (voice or data link).
- 1.2.2 If a CPDLC MAYDAY or PAN message is received by the ground system, the controller will respond with the free text uplink message ROGER MAYDAY (PAN). The controller will not expect a ROGER response to the uplink until being notified that the emergency situation has been cancelled or stabilised to the extent that messages are able to continue being exchanged (if data link is considered to be the best communications medium for the situation).
- 1.2.3 If the emergency situation no longer exists, the pilot should cancel the ADS emergency mode (if activated).

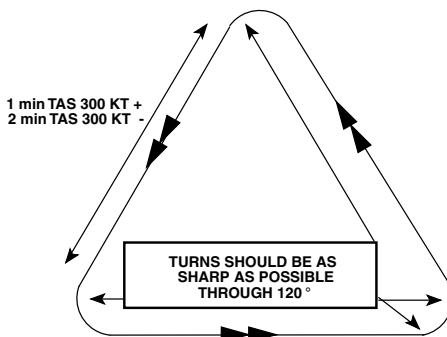
1.3 **Imposition of Silence**

- 1.3.1 Only the ACFT in distress or the unit in control of distress communications is permitted to impose silence on any station which interferes with distress communications. The call should be addressed to ALL STATIONS or one station only, depending on circumstances. The call should be as follows:  
"STOP TRANSMITTING; MAYDAY"

1.4 **Alerting Surveillance Unit (MIL OPS only)**

- 1.4.1 If in an emergency within coverage of a surveillance unit and unable to make radio contact with any ATS unit and outside civil controlled airspace, the surveillance unit can be alerted as follows:
- Switch transponder to emergency, squawk mode 3A, code 7700.
  - Continue attempts to make communications and monitor the appropriate frequencies (see communications failure instructions for appropriate frequencies).
- 1.4.2 Fly applicable pattern shown below.





### NO TRANSMIT OR RECEIVE

- 1.4.3 If adopting this procedure:
- fly at best endurance speed;
  - complete at least two patterns before resuming heading;
  - make turns as tight as practicable;
  - attempt to maintain VMC to facilitate interception by a shepherd aircraft; and
  - at night or in VMC, turn on navigation and anti-collision lights.
- 1.5 **Communication Failure**
- 1.5.1 In the event of communications failure, maintain terrain clearance throughout all procedures.
- 1.5.2 **Indications by an Aircraft:**
- In Flight
    - during the hours of daylight - by rocking the aircraft's wings; and  
*Note: This signal should not be expected on the base and final legs of the approach.*
    - during the hours of darkness - by flashing on and off twice the aircraft's landing lights or, if not so equipped, by switching on and off twice its navigation lights.
  - On the Ground
    - during the hours of daylight: by wagging the aircraft's ailerons or rudder; and
    - during the hours of darkness: by flashing on and off twice the aircraft's landing lights or, if not so equipped, by switching on and off twice its navigation lights.
- 1.5.3 **If VFR in Class G Airspace**
- Remain in VMC.
  - Broadcast Intentions (assume transmitter is operating and prefix calls with "TRANSMITTING BLIND").
  - Remain VFR in Class G airspace and land at the nearest suitable aerodrome.
  - Report arrival to ATS if on SARTIME or reporting schedules (SAR telephone number: 1800 815 257).
- 1.5.4 **If in Controlled/Restricted Airspace or if IFR in any Airspace:**
- Squawk 7600
  - Listen out on ATIS and/or voice modulated NAVAIDs.
  - Transmit intentions and make normal position reports (assume transmitter is operating and prefix calls with "TRANSMITTING BLIND").
- AND**
- if in VMC and are certain of maintaining VMC
- Stay in VMC and land at the most suitable aerodrome (note special procedures if proceeding to a Class D).
- OR**
- If in IMC or are uncertain of maintaining VMC
- If no clearance limit received and acknowledged, proceed in accordance with the latest ATC route clearance acknowledged and climb to planned level.

- f. If a clearance limit involving an altitude or route restriction has been received and acknowledged:
  - (i) maintain last assigned level, or minimum safe altitude if higher, for three (3) minutes, and/or
  - (ii) hold at nominated location for three (3) minutes, then
  - (iii) proceed in accordance with the latest ATC route clearance acknowledged, and climb to planned level.
- g. If receiving an ATS surveillance service:
  - (i) climb to MSA/LSALT, and,
  - (ii) if being vectored, maintain last assigned vector for two (2) minutes, then
  - (iii) proceed in accordance with the latest ATC route clearance acknowledged.
- h. If holding:
  - (i) fly one more complete holding pattern, then
  - (ii) proceed in accordance with the latest ATC route clearance acknowledged.

**Notes:**

1. *Initial and subsequent actions by the pilot at the time of loss of communications will depend largely on the pilot's knowledge of the destination instrument approaches, the air traffic/airspace situation and meteorological conditions en route and at the destination. Publishing procedures that cover all radio failure circumstances is not possible. The above procedures ensure that ATS and other traffic should be aware of the pilot's **most likely actions**. Pilots should follow these procedures unless strong reasons dictate otherwise.*

2. *In determining the final level to which a pilot will climb after radio failure, ATC will use the level provided on the flight notification, or the last level requested by the pilot and acknowledged by ATC.*

**1.5.5 Destination Procedures:**

- a. Track to the destination in accordance with flight plan (amended by the latest ATC clearance acknowledged, if applicable).
- b. Commence descent in accordance with standard operating procedures or flight plan.
- c. Descend to the initial approach altitude for the most suitable instrument approach in accordance with the published procedures.
- d. Carry out the approach to the prescribed minima.

**Notes:**

1. *The most suitable approach is normally the approach that facilitates the most accurate track keeping, however, if the pilot is in receipt of ATIS or directed information (e.g. voice modulated navigation aid) that a specific approach is required, that approach should be used.*

2. *If an approach time has been given by ATC and acknowledged, adhere to this time.*

3. *When within 25NM of the destination, the pilot may track direct to the IAF for the most suitable approach.*

4. *At Sydney during Independent Visual Approaches, refer to Sydney/Kingsford Smith entry in FAC section.*

**1.5.6 Actions at Minima**

- a. If visual at the minima at an uncontrolled aerodrome, continue to land provided that a safe landing can be accomplished. If visual at the minima at a controlled aerodrome continue to land provided that a clearance to land is received via a voice modulated NAVAID and/or light signal from the Tower.
- b. If not visual at the minima, depart for a suitable alternate aerodrome.
- c. If insufficient fuel is carried to divert to a suitable alternate, the pilot may hold or carry out additional approaches until visual.
- d. Certain Class D aerodromes have specific communications failure procedures which are shown at each aerodrome entry in the FAC section

| LIGHT SIGNAL         | Meaning to ACFT in Flight                                      | Meaning to ACFT on Airfield                                       |
|----------------------|----------------------------------------------------------------|-------------------------------------------------------------------|
| <b>STEADY GREEN</b>  | Authorised to land if pilot satisfied no collision risk exists | Authorised to takeoff if pilot satisfied no collision risk exists |
| <b>STEADY RED</b>    | Give way to other aircraft and continue circling               | Stop                                                              |
| <b>GREEN FLASHES</b> | Return for landing                                             | Authorised to taxi if pilot satisfied no collision risk exists    |
| <b>RED FLASHES</b>   | Airfield unsafe - do not land                                  | Taxi clear of landing area in use                                 |
| <b>WHITE FLASHES</b> | No significance                                                | Return to starting point on airfield                              |

### 1.6 Speechless Radar Approach Procedures

| Situation                                                                                                               | Transmission                                                                                                               |
|-------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| 1 Pilot request for Speechless Radar approach when microphone/s are unserviceable (carrier wave only available).        | Pilot transmits four (4) separate and distinct unmodulated transmissions of one second duration                            |
| 2 Pilot responses to subsequent control questions:<br>A. affirmative or acknowledgment,<br>B. negative,<br>C. say again | A. one distinct transmission<br>B. two separate and distinct transmissions<br>C. three separate and distinct transmissions |
| 3 Pilot indication of a further and pertinent unserviceability or an emergency                                          | Five (5) separate and distinct transmissions                                                                               |
| 4 Pilot indication of abandoning the aircraft                                                                           | A single continuous transmission as long as practicable. Where possible the transmitter key is to be locked on.            |
| 5 Controller requires pilot to indicate when an instruction has been completed                                          | WHEN (condition or instruction is completed) MAKE A TWO SECOND TRANSMISSION                                                |

#### 1.6.1 Communication and NAVAID Failure

In the event of complete failure of communications and NAVAIDs, maintain terrain clearance and proceed as follows:

- a. If VFR in Class G Airspace
  - (i) Remain VMC.
  - (ii) Broadcast intentions (assume transmitter is operating and prefix calls with "TRANSMITTING BLIND").
  - (iii) Remain VFR in Class G airspace and land at the nearest suitable aerodrome.
  - (iv) Report arrival to ATS if on SARTIME or reporting schedules.
- b. If in Controlled / Restricted Airspace or if IFR in any Airspace:
  - (i) Squawk 7600.
  - (ii) Listen out on ATIS and/or voice modulated NAVAIDs.
  - (iii) Transmit intentions and normal position reports (assume transmitter is operating and prefix calls with "TRANSMITTING BLIND"). if practicable, leave/avoid controlled/restricted airspace and areas of dense traffic.
  - (iv) As soon as possible, establish visual navigation.
  - (v) Land at the most suitable aerodrome (note special procedures if proceeding to a Class D - see above).
  - (vi) Report arrival to ATS.

## **1.7 Emergency Change of Level in Controlled Airspace**

1.7.1 When an aircraft in controlled airspace is required to make a rapid change of flight level or altitude because of technical trouble, severe weather conditions, or other reasons, the change will be made as follows using urgency message format, stating level changes involved and diversions, if applicable:

- a. Squawk SSR Code 7700.
- b. Transmit: PANPAN, PANPAN, PANPAN, then
  - (i) agency being called;
  - (ii) aircraft identification;
  - (iii) nature of urgency problem;
  - (iv) intention of person in command;
  - (v) present position, flight level or altitude and heading; and
  - (vi) any other useful information.

## **1.8 Pre/Post Impact Actions**

1.8.1 The following actions should be carried out pre-impact:

- a. Activate Crew Impact Instruction. If no prescribed drill, check:
  - (i) preparation of aircraft for impact;
  - (ii) positioning of personnel;
  - (iii) activate ELT (see separate section following);
  - (iv) crew procedure for directing evacuation of aircraft in orderly manner; and
  - (v) ready availability to crew members of charts showing emergency and distress communication facilities; i.e. location, callsign, frequency of:  
aeronautical stations;  
DF stations; and  
coast radio stations guarding international distress frequencies.
- b. Instruct passengers that they will be required to
  - (i) recognise the absolute authority of the pilot in command;
  - (ii) apply safety apparatus as instructed;
  - (iii) prepare for impact shock as instructed;
  - (iv) don protective clothing;
  - (v) make an orderly exit from the aircraft; and
  - (vi) remain near the aircraft after the evacuation (at sea, secure life rafts and set sea anchor).

1.8.2 Immediately prior to impact, set radio apparatus for continuous operation unless the additional risk of fire is too great.

1.8.3 The following should be carried out post-impact:

- a. Activate post impact instructions.
- b. If no prescribed drill, check the following:
  - (i) account for all personnel;
  - (ii) account for all distress facilities;
  - (iii) tend to the injured;
  - (iv) try to attract attention (radio, flares, smoke, mirrors, etc.);
  - (v) display appropriate visual rescue signals;
  - (vi) keep personnel together;
  - (vii) utilise passenger resources, i.e. skill, knowledge, effort, etc.;
  - (viii) delegate duties as equitably as possible;
  - (ix) conserve resources, i.e. water, food, manpower, facilities;
  - (x) maintain passenger morale; and
  - (xi) ensure ELT is activated.
  - (xii) collect all food/water and useful equipment from the aircraft.

## **1.9 Inadvertent Activation of Emergency Locator Transmitter (ELT)**

1.9.1 If the ELT has inadvertently been activated for more than 10 secs contact SAR on 1800 815 257.

### **1.10 Activation of ELT**

1.10.1 An Emergency Locator Transmitter (ELT) is a valuable search aid if an aircraft is forced down. However, to obtain maximum benefit from the beacon and to assist search aircraft, pilots need to observe a few guidelines for activation of the ELT.

---

- 1.10.2 If in water and the beacon is buoyant, the ELT should be activated in the water and allowed to float to the end of the lanyard with the aerial vertical. Do not hoist the ELT up a mast. The performance of an ELT may be degraded if it is raised above the water surface.
- 1.10.3 Lives may depend on the correct use of the ELT. The manufacturer's instructions should be studied thoroughly, and kept in the aircraft emergency kit.
- 1.10.4 If you are forced down the following procedure is recommended:

a. Activate the ELT immediately;

b. Where the ELT is permanently installed in the aircraft, activate the beacon *in situ*;

c. Where the ELT is not permanently installed in the aircraft, select an elevated site clear of trees, boulders etc. and reasonably close to the aircraft.

d. Place the beacon on the ground on an earth mat. If an earth mat is not available, place the ELT on the wing of the aircraft or another metal reflective surface.

e. Secure the ELT with rocks, sticks, tape etc. so that the aerial will remain vertical. avoid anything touching the antennae as this will degrade ELT performance.

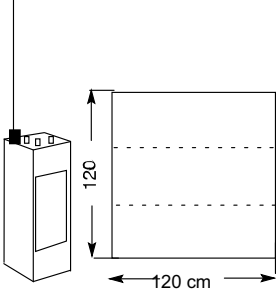
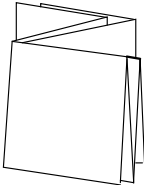
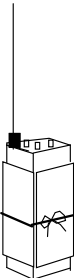
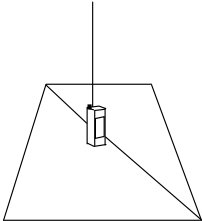
f. Remain clear of the ELT. Obstacles near the ELT will distort the radiation pattern.

g. An ELT which is damaged or under wreckage may still transmit some signal. (Always activate the ELT).

h. Do not switch off the ELT unless rescue is no longer required.

i. To avoid confusing COSPAS/SARSAT and direction finding equipment, avoid activating two or more ELTs within 1NM of each other.

*Note: In many cases, using an earth mat will increase the effective range of a portable ELT by 50%. A simple and effective earth mat can be made by using household aluminium foil to make a 120CM square, folded, and taped to the unit. To use the earth mat, unfold and place it flat on the ground, securing edges with dirt or rocks. Activate the ELT and place it on the mat.*

|                                                                                                                                                                                        |                                                                                                                                                                                                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><p>FIG 1.<br/>By joining strips of household aluminium foil, construct a 120cm square.</p></div> | <div><p>FIG 2<br/>Carefully fold the earth mat to a convenient size.</p></div>                                                    |
| <div><p>FIG 3.<br/>Tie or tape the folded earth mat to your ELT</p></div>                           | <div><p>FIG 4<br/>If you are required to use the ELT follow the directions listed under "EMERGENCY ACTIVATION OF ELT"</p></div> |

### 1.11 ELT Characteristics

#### 1.11.1 The following characteristics pertain to ELTs:

- a. Frequency 406 MHz (digital) and 121.5 MHz (analog) and, in some instances, 243 MHz.
- b. 121.5 and 243MHz modulation.
  - (i) continuous carrier continuously modulated at the rate of three swept tones per second, no pauses;
  - (ii) some older marine beacons transmit the carrier on for one second then off for one second, modulation three swept tones per second. This results in the tones being received in evenly spaced groups of three with a distinct one-second pause between groups; and
  - (iii) some foreign marine beacons vary from the above; e.g. there is a European beacon pulsing in groups of two tones.

### 1.12 Reports

- a. report all beacons received;
- b. state characteristics;
- c. when giving signal heard/strength fade positions, include ACFT level and squelch disabled (MAX hash) information. This is necessary for plotting;
- d. advise if signal commenced/ended gradually or abruptly; and
- e. do not alter squelch setting unless requested.

*Note: Rescue Co-ordination Centres can demonstrate the above signals on request.*

## 2. AIR SEARCH PATTERNS

### 2.1 General

2.1.1 This section is included to assist pilots of aircraft engaged in air search operations. The information is necessarily brief and the SAR Centre recommends that a full preflight briefing be obtained whenever time and/or circumstances permit.

### 2.2 Visual Search

2.2.1 Visual search patterns are divided into six main groups, which are described briefly below. In the diagrams "S" represents track spacing, i.e. the distance in nautical miles between successive tracks flown by the search aircraft and will be specified by the RCC as part of the briefing or by the assessed visual range of the day.

#### a. Trackline Search- (See DIAGRAM 1)

- (i) A trackline pattern is most often used in an initial reaction.
- (ii) It is very suitable for use by an aircraft available at, or near, the time of a reported distress.
- (iii) The assumptions made are that survivors will be found on, or close to, the planned route of the missing craft, that the distressed craft is easily discernible, or that survivors will be capable of signalling should an aircraft be seen or heard.
- (iv) It provides a rapid and reasonably thorough coverage of a missing craft's planned route, and the immediately adjacent area.

SEARCH OBJECT'S TRACK LINE

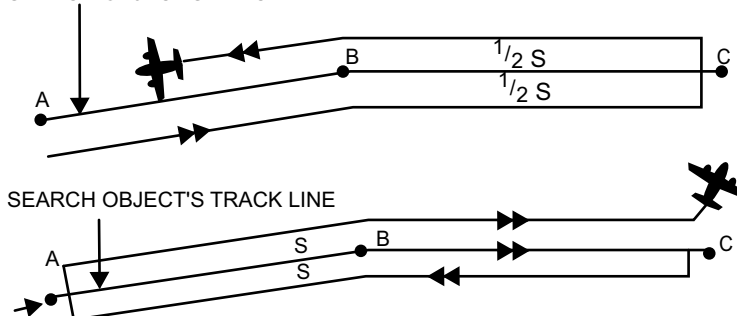


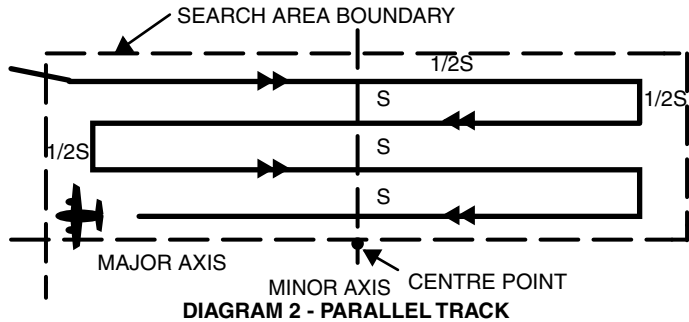
DIAGRAM 1 - TRACKLINE PATTERN

#### b. Parallel Track Search- (See DIAGRAM 2)

- c. Search legs are aligned parallel to the major axis of the search area.



- d. The pattern is best used in rectangular or square areas.
- e. This pattern is very suitable for a search conducted over water.



- f. **Creeping Line Search-** (See *DIAGRAM 3*)
  - (i) The creeping line pattern differs from the parallel track pattern in that the search legs are parallel to the minor axis.

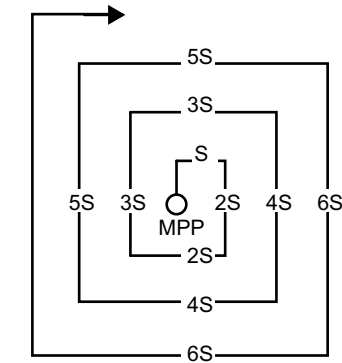
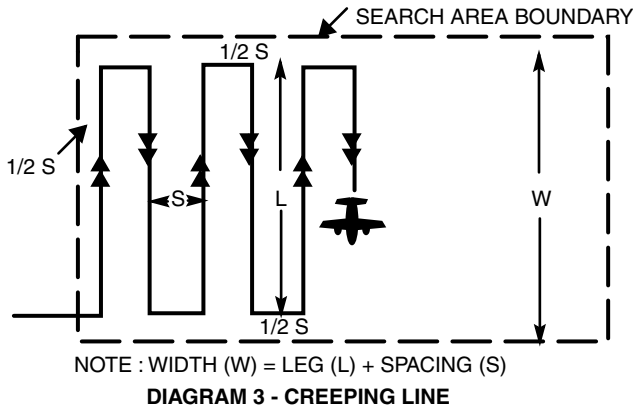


DIAGRAM 4 - SQUARE SEARCH

g. **Square Search-** (See *DIAGRAM 4*)

- (i) The aircraft is flown to make good the tracks shown in the diagram.
- (ii) Turns may be to the left, or right, depending upon the observer positions.
- (iii) The first two tracks are flown for a distance equal to "S", the third and fourth for a distance equal to twice "S", the fifth and sixth for  $3 \times S$ , and so on.
- (iv) The final track to the start point should be the same as the initial search track.
- (v) Observations should start at a distance of "S" before reaching the most probable position to avoid leaving an unscanned portion near the start point.
- (vi) Observers should be briefed to pay particular attention to the scanning of the areas outwards of each turn to avoid leaving unscanned areas during the turns.
- (vii) A square search should be planned so that, whenever possible, the approach to the most probable position (MPP), and the first leg, is made into wind.

h. **Sector Search-** (See *DIAGRAM 5*)

- (i) This pattern is employed when the position of distress is known within close limits and the area to be searched is not extensive.
- (ii) It is simple to execute and provides greater navigational accuracy than a square search.
- (iii) The track spacing reduces towards the centre, resulting in a greater probability of detection in the area where the target is most likely to be located.
- (iv) Radius of search, angular displacement and mean track spacing (MTS) are specified with the briefing.

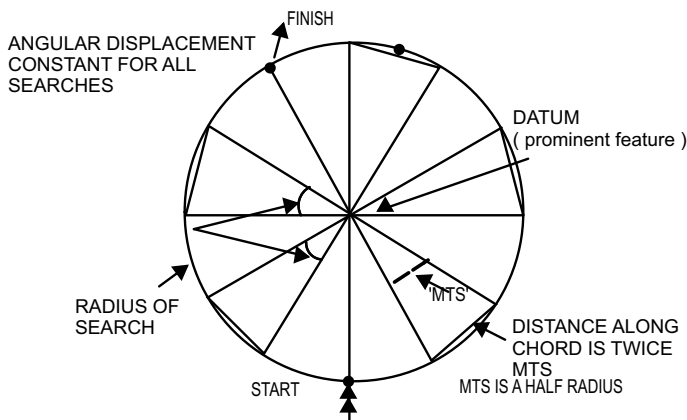


**DIAGRAM 5 - SECTOR SEARCH**

i. **Contour Search-** (See *DIAGRAM 6 AND DIAGRAM 7*)

- 2.2.2 This procedure requires an aircraft to be flown at selected contour levels, adjacent to the side of the mountain, starting at the highest selective level.

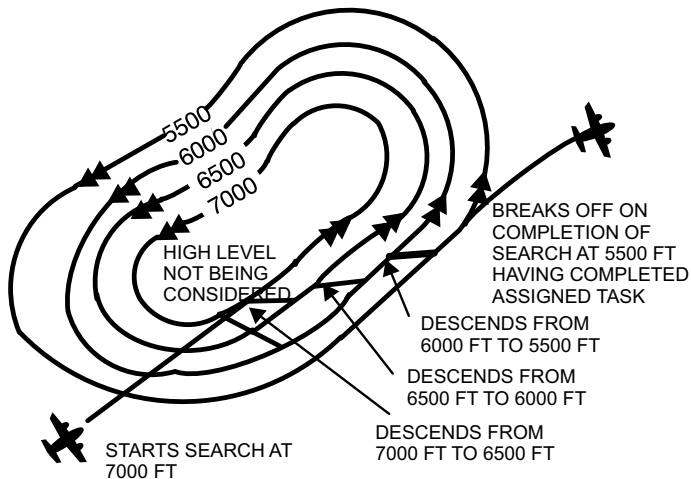


DIAGRAM 6 - CONTOUR SEARCH (PLAN VIEW)

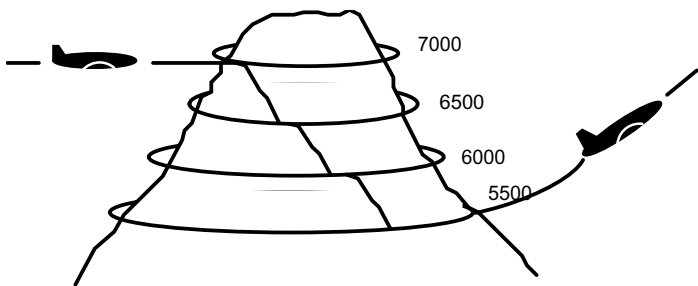
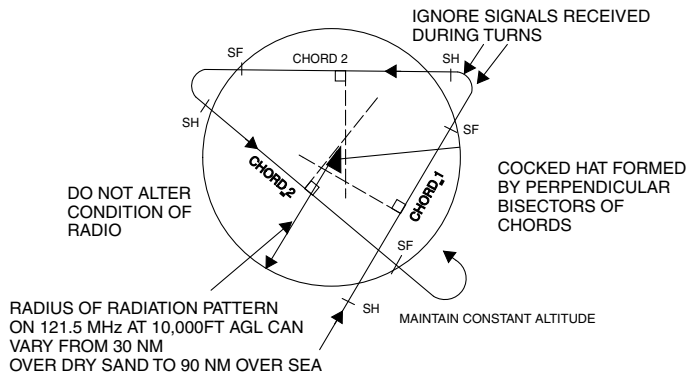


DIAGRAM 7 - CONTOUR SEARCH

2.3 Electronic Search - (See DIAGRAM 8)



- 2.3.1 Electronic searching is used to search for survivors who may have activated a VHF (or VHF/UHF) locator transmitter. An aircraft equipped with a VHF receiver may locate a survival transmitter using procedures which are based on the assumption that an undistorted radiation pattern is approximately circular. A searchmeter may be used to assist a search operation and is basically a signal strength meter which can be plugged into an aircraft VHF receiver.
- 2.3.2 The following procedures should be used during initial aural search without a searchmeter:
- Set the aircraft receiver to its most sensitive condition-squelch disabled;
  - Note and report the position at which the signal is first heard (SH) and fades (SF) and do not change altitude or the condition of the radio;
  - After the signal has faded select a heading estimated to take the aircraft through the radiation pattern, but ignore any beacon signals received during the turn; and
  - Continue chording the radiation pattern until it is possible to establish a cocked hat for the probable position of the beacon, (See Diagram 8).
- 2.4 **Carry out a final homing (See DIAGRAM 9).**

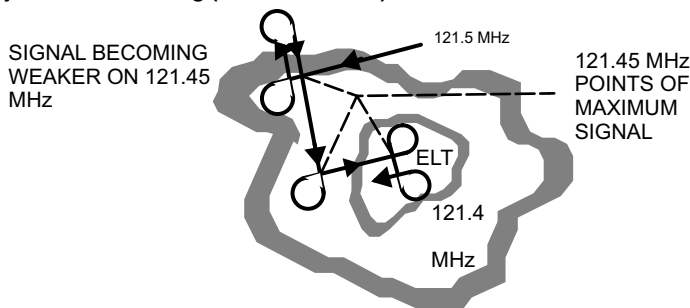


**DIAGRAM 9 - FINAL HOMING**

- 2.4.1 The final homing procedures without a searchmeter are:
- Track towards the estimated centre of the radiation pattern.
  - Set the aircraft receiver to its most sensitive condition and descend, if possible, to be between 1000 and 2000 feet above ground level in the estimated centre. When the signal from the beacon is very strong and very clear, check on the adjacent frequencies of 121.45 or 121.55 MHz;
  - Traverse the area bounded by the cocked hat, listening for the beacon on the adjacent frequency;
  - On hearing the signal on the adjacent frequency, select and fly a heading which results in a stronger signal. As the signal increases in strength, check further off frequency and descend as required.
- At this stage it is most important that each track should be a straight line. Helicopter pilots should avoid any tendency to orbit a suspected site;*
- The accuracy of the homing will usually depend upon how far off frequency the signal can be heard. Observers will find that a signal being received on, for example, 121.3 or 121.7 MHz (over land) will rise to a sharp peak only as the search aircraft passes over the beacon site at 500FT above ground level. Where the terrain is heavily timbered (e.g. rain forest,), helicopter pilots should descend to lower levels and tune further off frequency to achieve greater accuracy. Information gained during straight and level flight only is most important and is the only data that should be used.*
- Where the signal is irregular, it is usually because the beacon is located amongst obstacles such as trees, rocks, wreckage, etc. The resultant radiation pattern is no longer circular and the signal heard/signal fade principles no longer apply.*
- 2.4.2 The following procedures should be used during aural search with a searchmeter:
- Set the aircraft receiver to its most sensitive condition-squelch disabled.
  - Plug the searchmeter into the SAR outlet.
  - Fly as high as practicable for aircraft type and weather conditions.
  - On receiving the emergency signal, advise the Rescue Co-ordination Centre (RCC) of position, heading and indicated airspeed.

- e. The radiation pattern from a beacon can either be approximately circular (regular) or lobular (distorted). Where the signal received from the beacon is constant the following procedures should be used:
- Fly a heading which will result in an increase in the reading on the search meter. Maintain this heading at a constant altitude and airspeed (*See DIAGRAM 10*).

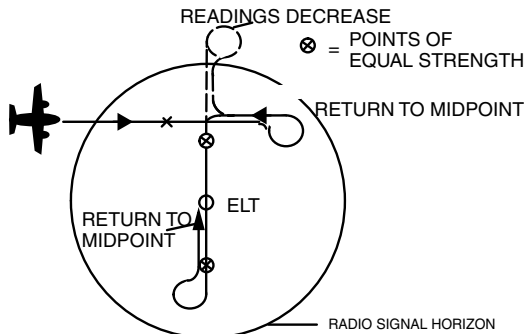


**DIAGRAM 10 - SEARCHMETER PROCEDURES**

- Note the time and aircraft position at each half division on the searchmeter.
- Continue (i) until readings on the searchmeter decrease. Select two positions of equal reading and return to the midposition.
- On arriving at the midposition turn 90DEG and note the readings on the search meter. If the meter readings decrease turn 180DEG and proceed to determine two further positions of equal signal strength then return to the mid-position.
- When apparent that the beacon is close, descend, if possible, to an altitude giving approximately 2000FT clearance above terrain within approximately 10NM of the search aircraft.
- By continuing the boxing-in technique the observer should be able to estimate the position of the beacon to within an area of 24 square miles.
- The beacon site may be located with greater accuracy by detuning the VHF receiver to 121.45 or 121.4 whilst close to the beacon and noting the position on the ground over which there is maximum searchmeter deflection. The receiver may also be detuned to 121.55 or 121.6. With the search aircraft 500FT above ground level and the receiver tuned to 121.3 or 121.7, the signal will only be heard within 200-300 metres of the beacon site (*See DIAGRAM 11*).

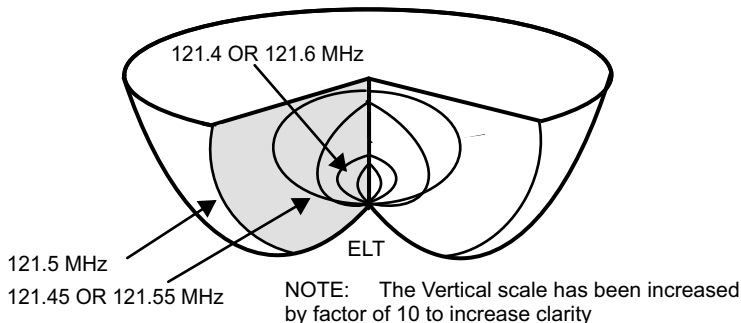
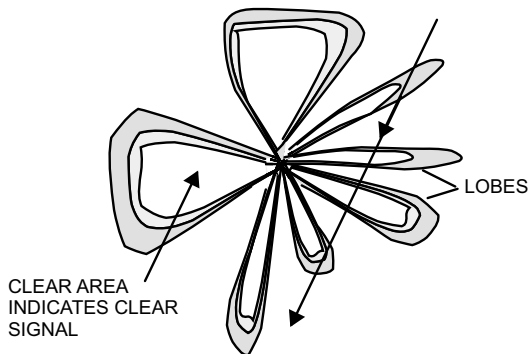


**DIAGRAM 11 - DETUNING PATTERN**



INTENSITY OF STIPPLING INDICATES AMOUNT OF BACKGROUND HASH

**DIAGRAM 12 - DISTORTED RADIATION PATTERN**

*Note: Where the signal from the beacon is broken and distorted, the most probable cause is that the beacon is amongst obstacles such as wreckage, trees, rocks, etc. which cause the signal to be absorbed or reflected, forming lobes.*

*With the search aircraft flying along the track indicated in Diagram 12, the searchmeter needle would rise and fall, corresponding with the passage of the aircraft through successive lobes where the signal could be heard. In between the lobes there would be receiver noise and no signal. Provided the aircraft is several thousand feet above terrain, the observer may assume that the signal is being received direct from the beacon rather than by reflection from surrounding terrain. Thus by following a lobe the search aircraft will be guided direct to the beacon, (See DIAGRAM 13).*

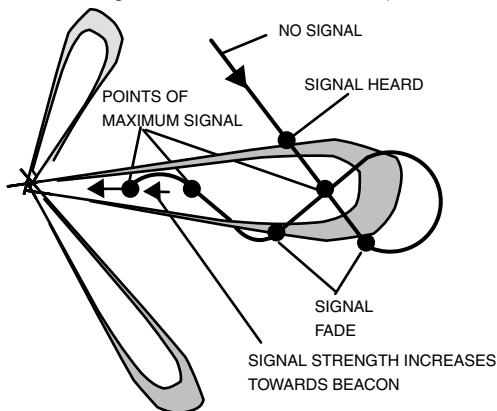


**DIAGRAM 13 - INTERCEPTING A LOBE**

- f. When the ratio between the beacon signal and the background hash begins to favour the latter, alter heading until only a clear signal can be heard. The signal from the beacon should be continuous with clarity improving as the search aircraft approaches the beacon.
- g. Once a heading has been established, note the searchmeter readings. The readings will increase as the aircraft approaches the beacon site, reaching a maximum when about to overfly. The position of the beacon may be located with greater accuracy by progressively detuning the VHF receiver to 121.3 or 121.7MHz.

## 2.5 Overwater Searches

- 2.5.1 The principles of an overwater search using a searchmeter are similar to those used for a regular pattern. However, the following differences should be noted:
- The radiation pattern from a beacon transmitting overwater will generally be much larger than if the beacon were on land. This could be up to 90NM to an aircraft flying at 10000FT, and 180NM at 30000FT.
  - Some older marine beacons have an interrupted carrier.
  - Where a search aircraft is operating at an altitude of 10000FT or less and has a searchmeter reading of more than four, the pilot should check on the adjacent frequency of 121.45 or 121.55. If the signal can be heard on that frequency, albeit faintly, the search aircraft will be within 15 NM of the beacon.

## 2.6 Mountainous Terrain

- 2.6.1 A beacon which is activated in mountainous terrain may be likened to an electric light bulb illuminated in a model of the same area. The pilot of an aircraft flying in areas where the light is reflected would be able to receive signals which are reflected. From positions where the light could be seen direct, signals would be received directly from the beacon or, conversely, where there were no reflections and the light could not be seen, there would be no signals. Signals radiating from a beacon in rough country are absorbed, reflected and reinforced to form isolated patches of strong signal which tend to hinder rather than assist the location of the beacon.
- 2.6.2 To avoid possible confusion from reflected signals, it is essential that the search aircraft should conduct a homing from an altitude above all terrain in the general area. This does not apply to search aircraft flying in valleys or behind mountains in order to ascertain where the beacon signal cannot be heard.

## 3. SEARCH AND RESCUE SIGNALS

### 3.1 Third Party Emergency Reporting

- Remain in the vicinity or as directed otherwise and keep the aircraft, surface craft or distressed personnel in sight.
- Turn on automatic emergency radio equipment unless:
  - accurate position fixing is possible, and
  - two way communications exist with ATS.
- Report the following information as applicable to the responsible ATS:
  - TYPE** of aircraft or surface craft;
  - LOCATION** of distress incident in latitude and longitude, geographical point or bearing and distance from some fixed point; and
  - DETAILS** regarding the number of personnel concerned, whether known to be afloat and the apparent physical condition of survivors.
- Alert coast and ship stations by transmitting on international distress frequencies 2182, 4125, 6215 or 8291kHz.
- Transmit to any frequency which will enable other craft to home to the distress location.
- Call to surface craft to render assistance by use of manoeuvres set out below, or otherwise by communication on 2182, 4125kHz or 156.8MHz (VHF channel 16).
- Attempt to establish communication with the aircraft in distress when requested by ATC.
- Before departing from the area, turn off automatic emergency radio equipment.

### 3.2 Assistance of Surface Craft

- 3.2.1 To direct a surface craft to distress incident:

- circle the vessel at least once;
- fly across the bow of the vessel at low level while rocking the wings, opening and closing the throttles or changing propeller pitch if possible; and
- head in the direction required.

*Note: Visual signals by the surface craft:*

**ACKNOWLEDGE** - red and white vertical striped flag or flashing of a series of 'T's by light.  
**UNABLE TO COMPLY** - square blue and white checkered flag signal or the flashing of a series of 'N's by light.

- 3.2.2 When assistance is no longer required fly across the stern of the vessel at low level, rocking the wings, opening and closing the throttles or changing propeller pitch if possible.
-

**3.3 Emergency Management Australia (EMA)**

- 3.3.1 During relief operations mounted in time of floods, bushfires or other disasters, ground/air signals may be used to indicate requirements.
- 3.3.2 Aircraft engaged by the relevant State Emergency Service to survey the area, will be briefed to watch for emergency signals. Pilots of other aircraft, not involved in the relief operation, should report sightings to the nearest ATS unit.
- 3.3.3 Pilots need to be aware of the importance of indicating the actual signal seen (e.g. Civil Emergency Signal No 3), as an attempt to interpret, the signal may be confusing to those receiving the message.

**3.4 Ground/Air Emergency Signals in Use for Australian Civil Emergencies**

| GROUND - AIR VISUAL SIGNAL CODE<br>FOR USE IN CIVIL EMERGENCIES |                    |                                      |
|-----------------------------------------------------------------|--------------------|--------------------------------------|
| No                                                              | Message            | Code Signal                          |
| 1                                                               | Require Fodder     | <b>FF</b><br><b>III</b><br><b>VI</b> |
| 2                                                               | Require Evacuation |                                      |
| 3                                                               | Power Failure      |                                      |

| GROUND - AIR VISUAL SIGNAL CODE FOR USE BY SURVIVORS |                                             |                                                                                                                                   |
|------------------------------------------------------|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| No                                                   | Message                                     | Code Signal                                                                                                                       |
| 1                                                    | Require Assistance                          | <b>V</b><br><b>X</b><br><br><b>Y</b><br><b>N</b> |
| 2                                                    | Require Medical Assistance                  |                                                                                                                                   |
| 3                                                    | Proceeding in this Direction                |                                                                                                                                   |
| 4                                                    | Yes or Affirmative                          |                                                                                                                                   |
| 5                                                    | No or Negative                              |                                                                                                                                   |
|                                                      | <b>If in doubt use International Symbol</b> | <b>SOS</b>                                                                                                                        |

**Notes:****1. Aldis lamp signals**

*Red flashes - not understood*

*Green flashes - message understood.*

**2. Air Ground Signals**

*The following signals by aircraft mean that the signals have been understood*

*a During the hours of daylight - rocking the aircraft's wings*

*b During the hours of darkness - by flashing the aircraft's landing or navigation lights on or off twice.*

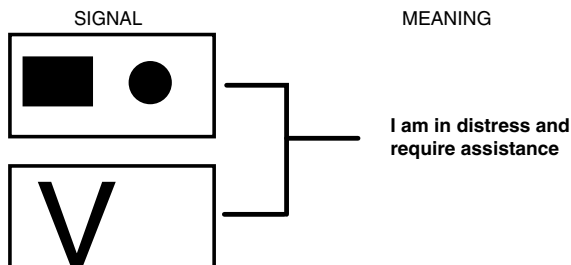
**3. Lack of the above signal indicates that the message has not been understood.**

**4. The "GROUND - AIR VISUAL SIGNAL CODE FOR USE BY SURVIVORS" conforms to ICAO and NATO standards.**



### 3.5 Visual Distress Signals - Small Vessels

Either of the two signals shown below may be displayed by small vessels. The signals are for use **ONLY** in the Australian Search and Rescue Area. The signal sheet is rectangular, coloured international orange, with black symbols.



## 4. SURVIVAL

### 4.1 Introduction

- 4.1.1 Alone and injured, people have survived in almost impossible circumstances. The determination to beat the situation and the will to survive is the survivor's strongest weapons. Military SAR will not give up searching for downed aircrew.
- 4.1.2 The peacetime priorities of survival are listed below:
- a. **PROTECTION:** The elements of protection are:
    - (i) First Aid - breathing must be restarted within 3 minutes;
    - (ii) Clothing;
    - (iii) Shelter - in harsh weather a shelter will be required in less than 3 hours; and
    - (iv) Fire.
  - b. **LOCATION:** Most survivors are located within 3 days.
  - c. **WATER:** In Australia's arid centre water must be found within 3 days.
  - d. **FOOD:** Survival without food for at least 30 days is possible. Therefore, food is the lowest priority. Food information is contained in the JUNGLE SURVIVAL section.
- 4.1.3 Basic survival rules are outlined in the following sections:
- a. Location;
  - b. First Aid;
  - c. Desert Survival;
  - d. Sea Survival;
  - e. Jungle Survival; and
  - f. Cold Weather Survival;
- 4.1.4 Rapidly adapt to the new situation - **DO NOT WASTE TIME**. Even if SAR is expected quickly develop a plan of action that will assist SAR and improve living conditions. Start working to beat the situation as soon as possible.
- ### 4.2 Location
- 4.2.1 Safety Equipment
- 4.2.2 When moving always carry location aids and protect them from deterioration. Do not fire pyrotechnics until SAR is sighted. Consider the best use of aids:
- a. survival radios/beacons,
  - b. signal mirror,
  - c. day/night flares,
  - d. rockets,
  - e. strobe,
  - f. signal panels, and
  - g. sea dye marker.
- 4.2.3 Improvised Aids.
- a. Improve rescue chances by constructing fires and ground signals.
  - b. Signal Fires:
    - (i) Initially use campfire
    - (ii) 3 fires 30M apart in line or triangle.
    - (iii) Burn greenery or wreckage to produce smoke during the day

## 4.2.4 Ground Signals.

Ground signals should be 1M wide and 6M long and must contrast with environment by using angles, colour, reflective material and shadow.

4.3 **First Aid**4.3.1 **FIRST AID KITS IN AIRCRAFT: LOW CAPACITY AIRCRAFT LESS THAN 30 PAX**

| Recommended Contents |                                     |
|----------------------|-------------------------------------|
| Quantity             | Item                                |
| 1                    | First Aid Manual                    |
| 1                    | Airway Tube                         |
| 1                    | 4" Scissors                         |
| 5                    | Safety Pins                         |
| 1                    | Single Edge Blade                   |
| 2 pair               | Disposable Gloves                   |
| 1                    | Triangular Bandage                  |
| 3                    | White Open Weave Bandages 7.5CM     |
| 3                    | Plain Wound Dressings No. 9         |
| 1 pkt                | Elastoplast Miscellaneous Dressings |
| 10                   | Sterile Strip Sutures               |
| 1                    | Micropore 2 inch tape               |
| 2                    | Eye Pads No. 16                     |
| 2                    | Crepe Bandages 6"                   |
| 1 pkt                | White Lint Gauze                    |
| 1 pkt                | 15G Cotton Wool                     |
| 2 pcs                | Vaseline Impregnated Gauze          |
| 1                    | 150ML Eye Irrigation Liquid         |
| 2 pkts               | Savlodil Antiseptic Solution        |
| 1 tube               | Antiseptic Cream                    |
| 1 tube               | Calamine Cream 50G                  |
| 20                   | Panadeine CO Tablets                |
| 1 pkt                | Band-Aids                           |

4.3.2 **First Aid - Adults**

- Reassure the casualty.
- Always monitor ABC/level of consciousness in every case.
- Give Oxygen.
- Aviation Rescue Fire Fighting provide: First Aid response, Oxygen & Defibrillation.

4.3.3 **The Chain of Survival**

- Early access to emergency services
- Early CPR to buy time for defibrillation
- Early defibrillation to revert heart back to a normal rhythm
- Early advanced life support for drug administration and advanced airway management

4.3.4 **DRSABCD****Danger**

Ensure the area is safe for yourself, others and the patient.

**Response**

Check for response.

**Send For Help**

Dial Triple Zero (000) immediately.

**Airway**

Check and clear airway.

**Breathing**

Look, listen and feel for breathing.

**CPR**

30 compressions to 2 breaths at 100 compressions/min.

**Defibrillation**

If Automated External Defibrillator (AED) is available, follow voice prompts.

Monitor pulse, respirations and maintain ABC.

**4.3.5 Head Injury**

a. Lay with injured side down, if possible

b. Do not give drugs, water or food

**4.3.6 Stop Bleeding**

a. Apply direct pressure to wound with gloved hands / bandages;

b. If direct pressure insufficient, use a broad bandage to apply constrictive pressure at top of effected limb.

c. Do not remove embedded objects. Use a ring pad around protrusions.

d. Elevate the limb unless broken;

e. Tourniquets not used.

**4.3.7 Chest Injury**

a. Cover sucking chest wounds with a non porous bandage sealed on three sides (acts as one-way valve). If casualty becomes worse, remove the non-porous bandage;

b. Immobilise unstable chest by circumferential bandaging - firm not tight.

c. Posture casualty: Half-sitting with injured side down, if possible.

d. Do not give pain killers

**4.3.8 Wounds**

a. Use clean / sterile dressings

b. Do not remove embedded objects, use a ring pad around protrusions

c. Do not touch or replace internal organs. Cover with a sterile, wet pad (or gladwrap), do not apply pressure.

**4.3.9 Fractures:**

Support and Immobilise

a. Arms: Splint and strap to body;

b. Legs: Splint and strap together.

**4.3.10 Burns:**

Cool and Cover

a. Cool with water - 20 minutes

b. Do not remove material from wound

c. Cover with wet, sterile / non-stick dressing (or gladwrap)

**4.3.11 Shock:**

Casualty looks pale, skin feels cold and clammy

a. Lay conscious casualty on back, elevate legs

b. Maintain normal body temperature

c. Rest, reassure, no alcohol or drugs

**4.3.12 Minor Wounds**

Treat all minor wounds including scratches and cuts (prevent infection)

**4.3.13 Dehydration:**

Dark / pungent urine requires an increase in fluid intake

a. Rest in shade and cool

b. Drink fluids (water is best) - not alcohol / caffeine

**4.4 Acute Care****4.4.1 Snakebite:**

a. Victim must remain calm. Use pressure Immobilisation Technique.

b. Firmly bandage whole limb. Start atop bite site then bandage limb upwards.

c. Bandage firm but not so tight as to cut off circulation.

d. Do not allow casualty to move - must remain still.

e. Splint the limb, immobilising as you would a fracture.

f. Monitor ABC / level of consciousness & circulation to effected limb.

#### 4.4.2 Carbon Monoxide (CO) Poisoning:

- a. Remove casualty to fresh air - Casualties skin colour may sometimes look normal;
- b. If available give concentrated oxygen;
- c. Symptoms may include; headache, nausea, drowsiness, confusion;
- d. CO is a colourless, odourless, tasteless gas.

#### 4.5 Desert Survival

##### 4.5.1 Immediate Action:

- a. Activate ELT immediately; and
- b. Rest in solid shade 0.3M above ground. (Do not use aircraft interior, if no shade is available then erect a shelter)

##### 4.5.2 Desert Survival Rules:

*Note: With temperatures above 30DEG C most of the body's water loss is through sweating. The body sweats to cool itself. Survivors must reduce body heat gains to minimise sweating and then procure water at night. Night temperatures may be cold.*

- a. Rest in shade 0.3M above or 75CM below ground. Avoid gaining heat from ground conduction or hot air layer above ground.
- b. Do essential work when sun down and temperature has dropped to about 20DEG C;
- c. Stay fully clothed. A single loose layer of clothing minimises heat gains and maximises sweat cooling;
- d. Ration water to stay hydrated. Check colour of urine. Dehydrating will impair performance and does not decrease water consumption;
- e. Eat only carbohydrates and only if water is available. Avoid greasy or fatty foods;
- f. Do not travel unless sure of water. Walking in sun instead of resting in shade will at least halve survival time.

##### 4.5.3 Water Procurement:

Sterilise all water sources except plastic bag procurement methods. Instructions for setting up water procurement devices are contained with water transpirator bags.

- a. TRANSPIRATOR BAGS: Best water procurement device, set up immediately;
- b. DESERT STILL: Set up at night;
- c. DEW/RAIN;
- d. PLANTS: Unreliable source, look for damp patches on trees and insect life; and
- e. GROUND WATER: Some indicators are terrain, birdlife, vegetation, animal tracks and insects. Water may exist in rock pools in hills as well as underground, in low lying creek areas.

#### 4.6 Sea Survival

##### 4.6.1 Immediate Action:

- a. Secure and deploy raft.
- b. Activate ELT immediately.
- c. Gather useful equipment and board raft (dry if possible).
- d. Roll call - locate missing persons.
- e. Cut adrift, tie rafts together on 8M line and secure one man to raft.
- f. Check raft, adjust sea anchor length to half distance between waves, and in cold weather inflate floor and canopy.
- g. Retrieve, secure (to prevent loss if capsized) and inventory equipment.
- h. Develop a plan of action.
- i. Elect a leader, allocate duties.

##### 4.6.2 Allocation of Duties

*A fully loaded liferaft is cramped and uncomfortable.*

- a. Rotate duties.
- b. Exercise, keep occupied and work as a team to minimise discomfort.
- c. Allocation of duties should include, lookouts with location aids, raft maintenance, maintaining water devices and food procurement.
- d. Plan pyrotechnic operations to avoid damaging raft.

##### 4.6.3 Essential Rules For Sea Survival - If Short of Water.

- a. Ration water to stay hydrated. Check colour of urine, dehydration impairs performance and does not decrease water consumption. Hold reliable water sources in reserve;
- b. In hot areas wear clothes dampened during day and remain in shade. This will halve water loss by minimising sweating. Protect eyes and skin against sun. Do not exit raft to swim;

- c. Fish should not be eaten if short of water, sun dry until rain provides sufficient water. Fish that have an unusual shape, features or skin instead of scales should not be eaten;
  - d. Avoid seasickness. Use seasick tablets, seasickness will wear off.
  - e. Do not drink seawater, urine or the blood of sea birds.
- 4.6.4 Keep Raft Dry,  
Avoid immersion, foot and raft sores by regularly changing position.
- 4.6.5 Discourage Predators
- a. Do not trail attractive items.
  - b. Discard waste well away from raft at night.
- 4.6.6 Travel.  
A small amount of control is possible by adjusting raft for wind or currents. Deploy sea anchor to travel with the current or retrieve it to travel with the wind.
- 4.7 **Jungle Survival**
- 4.7.1 Immediate Action
- a. Orientate and rendezvous with crew. (Stay fully clothed when moving in jungle);
  - b. If wreckage is hidden, move to nearby clearing to assist SAR.
  - c. activate ELT immediately.
- 4.7.2 Essential Rules For Jungle Survival:
- a. Protection - water and food will be readily available in the jungle but location by SAR will be difficult.
  - b. Set up location aids. Select sites to give location aids best possible ranges. Build fires with smoke to penetrate canopy (refer to "Improvised Aids in Location" section).
  - c. Sterilise water and animal food. Boil water for 5 minutes or use sterilising tablets. Discard animal food that shows any sign of disease. Always cook animal food to kill parasites.
  - d. If food is not recognised as safe, apply edibility test.
    - (i) Discard stinging plants, fungi, plants with milky sap or with the smell of almonds or peaches.
    - (ii) Discard food that irritates sensitive skin areas such as inside of elbow after 5 mins.
    - (iii) Chew a teaspoon quantity and spit out, discard if reaction occurs in 5 minutes.
    - (iv) Eat a teaspoon quantity and discard if reaction occurs in 4 hours and
    - (v) Eat two teaspoons quantities-plant is safe if no reaction occurs in 4 hours.
  - e. Do not travel unless habitation seen nearby or search scaled down. Travel rate can be as slow as 500M/HR. Creeks and ridgelines will give fastest travel. Leave messages at crashsite and camp and blaze trail if travelling.
- 4.7.3 Shelters
- a. A shelter will be required in rain or if overnighiting.
  - b. Two taut separated layers of parachute or natural thatching at 60DEG will provide a waterproof shelter.
  - c. A single taut layer of parachute at 45DEG will provide a shower proof shelter.
  - d. Keep off the ground to avoid insects and parasites.
- 4.8 **Cold Weather Survival**
- 4.8.1 Immediate Action:
- a. Adjust clothing - protect hands and head.
  - b. Shelter from high winds. (Aircraft interior will provide windproof shelter but little thermal protection).
- 4.8.2 Essential Rules For Cold Weather Survival
- a. A drop in body core temperature will mentally effect the survivor, impairing work. The onset is difficult to detect and shivering should be taken as the first warning that heat losses must be minimised. Dressed only in flying clothing, survival chances are good, if a thermal windproof shelter is constructed quickly.
  - b. Keep clothing dry. Heat loss from wet clothing is 20 times greater than dry.
  - c. Remove clothing before commencing work to avoid sweating;
    - (i) Do not let snow melt on clothing;
    - (ii) Keep feet dry by preventing snow entering boots;
    - (iii) Loosen clothing to trap air.
    - (iv) Use a windproof layer to stop wind chill.
-

- d. Construct a shelter. If rescue is delayed then the windproof shelter used in the immediate action must be improved with insulation to provide thermal protection.
  - (i) 25CM of snow will provide good insulation.
  - (ii) Rafts, sound proofing or branches will provide insulation from ground.
  - (iii) A one man snow cave can be built in one hour.
  - (iv) In bad weather without a windbreaker an enclosed shelter is more useful than a fire.
- e. Maintain location aids.
  - (i) Keep battery powered equipment warm.
  - (ii) The insulation of a snow shelter will prevent survivors hearing SAR aircraft. Windproof ground signals should be constructed and kept free of snow.
- f. Do not travel unless habitation seen nearby or search scaled down. Travel is strenuous and as slow as 4KM/day. Crevasses and avalanches are hazards in ice and mountainous country.

#### 4.8.3 Medical Hazards.

When outdoors, work in pairs. Observe partner to detect onset of cold injuries.

- a. Hypothermia. (Lowering of body core temperature). Hypothermia can occur in above zero temperatures. The symptoms are incoherence, slowing down, stumbling and weakness. These symptoms may be mistaken for fatigue. To treat hypothermia protect casualty from wind change wet clothing for dry and use body warmth and insulation to warm.
- b. Frostbite. The symptoms are tingling numbing sensation with waxy white appearance. Gently rewarm areas using body heat if nothing else is available. If deep frostbite has occurred leave frozen until rescued.
- c. Carbon Monoxide Poisoning. Ventilate shelters where a stove is used with two 6CM holes in door and roof. Do not light fires inside enclosed shelters.
- d. Snow Blindness. Prevent too much light entering eyes by using sunglasses or eyeshields. Keep eyes covered to recover from snow blindness.
- e. Dehydration. Cold will decrease thirst sensation. Check frequency and colour of urine to avoid unintentional dehydration. To maintain body core temperature drink warm water.

#### 4.8.4 Shelters

The Lean-to with fire and reflector will provide good protection in wooded temperate conditions. An improvised igloo can be made by covering branches, rafts etc., with a parachute and covering with 25CM of snow, letting set and then removing the core. The A-Frame must be modified with 25 CM of snow cover to provide thermal protection. The quickest shelter to build without a shovel is the snow cave. Probe before building to check snow depth. Smooth walls to prevent dripping and construct a cold sump. Stay dry when digging. A snow trench may be constructed with a saw in hard snow.

### 5. INTERCEPTION AND AIR DEFENCE IDENTIFICATION ZONE (ADIZ) PROCEDURES

#### 5.1. See AIP ENR 1.12 for.

- a. the procedures and visual signals which apply over the territory and territorial waters of Australia in the event of interception of an ACFT, and
- b. the general rules and procedures used to identify air traffic entering any designated ADIZ under the control of Australia.

### 6. ROYAL FLYING DOCTOR SERVICE (RFDS) HF RADIO AND SATCOM NETWORK

- 6.1. Aircrew requiring in-flight medical advice may attempt contact with the RFDS on the following HF frequencies or SATCOM numbers. Initial contact may be with a duty operator who will facilitate communication with medical personnel.

| Base                                                                               | Organisation               | Telephone Contact | Frequencies            |
|------------------------------------------------------------------------------------|----------------------------|-------------------|------------------------|
| Jandakot                                                                           | RFDS Western Operations    | 08 9417 6389      | N/A                    |
| VJD Alice Springs                                                                  | RFDS Central Operations    | 08 8648 9555      | N/A                    |
| VNZ Port Augusta                                                                   | RFDS Central Operations    | 08 8648 9555      | 2020, 4010, 6890, 8165 |
| VJC Broken Hill                                                                    | RFDS South Eastern Section | 08 8088 1188      | 2020, 4055, 6920       |
| VJN Charleville                                                                    | RFDS Queensland Section    | 07 4654 1433      | 2020, 4980, 6845       |
| VJI Mt Isa                                                                         | RFDS Queensland Section    | 07 4743 2802      | 2020, 5110, 6965       |
| VJN Cairns                                                                         | RFDS Queensland Section    | 07 4040 0500      | 2020, 2260, 5145, 7465 |
| VZX Firefly                                                                        | Penta Comsat               | 02 6559 1888      | call                   |
| RFDS website: <a href="http://www.flyingdoctor.org.au">www.flyingdoctor.org.au</a> |                            |                   |                        |

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**airservices  
australia**

**EN ROUTE SUPPLEMENT AUSTRALIA**

# **RUNWAY DISTANCE SUPPLEMENT**

**EFFECTIVE 28 NOV 2024 AIRAC**

**202411271600 UTC**

***NEXT ISSUE EFFECTIVE 20 MARCH 2025***

**FOR LATEST INFORMATION CONSULT NOTAM**

**SEE IMPORTANT NOTICE OVERLEAF**

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ABRA MINE

| RWY                                                      | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 11                                                       | (3)  | 1800 (5905) | 1860 (6102) (2.94%) | 1800 (5905) | 1800 (5905) |
| RESA dimensions 90M X 60M commences from RWS end.        |      |             |                     |             |             |
| 29                                                       | (3)  | 1800 (5905) | 1860 (6102) (2.93%) | 1800 (5905) | 1800 (5905) |
| RESA dimensions 90M X 60M commences from RWS end.        |      |             |                     |             |             |
| RWY 11/29 APCH inner edge length 150M.                   |      |             |                     |             |             |
| Slope 0.196% down to E. RWY WID 30 RWS WID 150 Graded 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|
| RWY11- | 1745(5725)(1.6) | 1783(5850)(1.9) | 1812(5945)(2.2) | 1834(6017)(2.5) |
| RWY29- | 1734(5689)(1.6) | 1780(5840)(1.9) | 1811(5942)(2.2) | 1835(6020)(2.5) |

ADELAIDE

| RWY                                                                                             | (CN) | TORA         | TODA                 | ASDA         | LDA          |
|-------------------------------------------------------------------------------------------------|------|--------------|----------------------|--------------|--------------|
| 05                                                                                              | (4)  | 3100 (10170) | 3204 (10512) (2.41%) | 3160 (10367) | 2950 (9678)  |
| RESA dimensions 90M X 90M commences from RWS end.                                               |      |              |                      |              |              |
| RWY 05 DTHR 150M.                                                                               |      |              |                      |              |              |
| 23                                                                                              | (4)  | 3100 (10170) | 3204 (10512) (2.63%) | 3160 (10367) | 3100 (10170) |
| RESA dimensions 90M X 90M commences from RWS end.                                               |      |              |                      |              |              |
| Aerial 16M FM CWY end and 2.8FT ABV CWY end not included in calculation of TODA GRAD and STODA. |      |              |                      |              |              |
| Slope 0.1% down to SW. RWY WID 45 RWS WID 280 Graded 150                                        |      |              |                      |              |              |
| 12                                                                                              | (4)  | 1652 (5420)  | 1832 (6010) (2.45%)  | 1652 (5420)  | 1652 (5420)  |
| RESA dimensions 90M X 90M commences from RWS end.                                               |      |              |                      |              |              |
| 30                                                                                              | (4)  | 1652 (5420)  | 1832 (6010) (2.26%)  | 1652 (5420)  | 1652 (5420)  |
| RESA dimensions 90M X 90M commences from RWS end.                                               |      |              |                      |              |              |
| 1. OBST limitation SFC not surveyed to ICAO standard                                            |      |              |                      |              |              |
| 2. Length of approach SFC 7500M. Length of TKOF SFC 7500M.                                      |      |              |                      |              |              |
| Slope Level. RWY WID 45 RWS WID 280 Graded 150                                                  |      |              |                      |              |              |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                  |                  |                  |
|--------|-----------------|------------------|------------------|------------------|
| RWY05- | 2829(9281)(1.6) | 3065(10056)(1.9) | 3157(10357)(2.2) |                  |
| RWY23- | 2829(9281)(1.6) | 3008(9869)(1.9)  | 3125(10253)(2.2) | 3183(10443)(2.5) |
| RWY12- | 1400(4593)(1.6) | 1666(5466)(1.9)  | 1773(5817)(2.2)  |                  |
| RWY30- | 1578(5177)(1.6) | 1773(5817)(1.9)  | 1825(5987)(2.2)  |                  |

TAXIWAY INTERSECTION DECLARED DISTANCES

|        |                                            |                               |
|--------|--------------------------------------------|-------------------------------|
| RWY05- | TKOF from TWY E2; RWY remaining 1555(5102) | reduce all DIST by 1545(5069) |
| RWY05- | TKOF from TWY F4; RWY remaining 2076(6811) | reduce all DIST by 1024(3360) |
| RWY05- | TKOF from TWY F5; RWY remaining 2427(7963) | reduce all DIST by 673(2208)  |
| RWY23- | TKOF from TWY D1; RWY remaining 2180(7152) | reduce all DIST by 920(3018)  |

ADELAIDE/PARAFIELD

| RWY                                                                                                                                                                                           | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 03L                                                                                                                                                                                           | (2)  | 1350 (4429) | 1410 (4626) (2.75%) | 1350 (4429) | 1350 (4429) |
| Landing RWY 03L: Unlit OBST 7.9FT ABV and 215M S RWS end. Top of fence marked by red and white 0.6M square hazard signs.                                                                      |      |             |                     |             |             |
| 21R                                                                                                                                                                                           | (2)  | 1350 (4429) | 1410 (4626) (1.94%) | 1350 (4429) | 1350 (4429) |
| TKOF RWY 21R: Unlit OBST 6.7FT ABV CWY and 215M S RWS end is not taken into account in the calculation of TODA GRAD and STODA. Top of fence marked by red and white 0.6M square hazard signs. |      |             |                     |             |             |
| Slope 0.4% down to SW. RWY WID 18 RWS WID 90                                                                                                                                                  |      |             |                     |             |             |
| 03R                                                                                                                                                                                           | (2)  | 1279 (4196) | 1339 (4393) (3.44%) | 1279 (4196) | 1279 (4196) |
| Landing RWY 03R: OBST fence 7.9FT ABV and 141M S RWS end. Top of fence marked by red and white 0.6M square hazard signs.                                                                      |      |             |                     |             |             |
| 21L                                                                                                                                                                                           | (2)  | 1279 (4196) | 1339 (4393) (1.43%) | 1279 (4196) | 1279 (4196) |
| TKOF RWY 21L: OBST fence 7FT ABV CWY and 141M S RWS end not taken into account in the calculation of STODA GRAD. Top of fence marked by red and white 0.6M square hazard signs.               |      |             |                     |             |             |
| Slope 0.5% down to SW. RWY WID 18 RWS WID 90                                                                                                                                                  |      |             |                     |             |             |
| 08L                                                                                                                                                                                           | (2)  | 958 (3143)  | 1018 (3340) (2.94%) | 958 (3143)  | 958 (3143)  |
| 26R                                                                                                                                                                                           | (2)  | 958 (3143)  | 1018 (3340) (4.07%) | 958 (3143)  | 958 (3143)  |
| Slope 0.5% down to SW. RWY WID 18 RWS WID 90                                                                                                                                                  |      |             |                     |             |             |
| 08R                                                                                                                                                                                           | (2)  | 992 (3255)  | 1052 (3451) (2.75%) | 992 (3255)  | 992 (3255)  |
| 26L                                                                                                                                                                                           | (2)  | 992 (3255)  | 1052 (3451) (3.86%) | 992 (3255)  | 992 (3255)  |
| Slope 0.1% down to W. RWY WID 18 RWS WID 90                                                                                                                                                   |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|         |                 |                 |                 |
|---------|-----------------|-----------------|-----------------|
| RWY03L- | 1035(3396)(1.9) | 1244(4081)(2.2) | 1348(4423)(2.5) |
| RWY21R- | 1139(3737)(1.6) | 1403(4603)(1.9) |                 |
| RWY03R- | 889(2917)(2.2)  | 1061(3481)(2.5) | 1309(4295)(3.3) |
| RWY26R- | 930(3051)(3.3)  |                 |                 |
| RWY08R- | 904(2966)(2.5)  |                 |                 |
| RWY26L- | 844(2769)(2.5)  | 983(3225)(3.3)  |                 |

TAXIWAY INTERSECTION DECLARED DISTANCES

RWY03L- TKOF from TWY B1; RWY remaining 1158(3799) reduce all DIST by 192(630)

ALBANY

| RWY                                                                               | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-----------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 05                                                                                | (2)  | 1096 (3596) | 1156 (3793) (1.31%) | 1096 (3596) | 1096 (3596) |
| 1. RWY 05 THR location determined by 5.0% APCH GRAD.                              |      |             |                     |             |             |
| 2. RWY 05 APCH SFC infringed by trees APRX 510M before RWY 05 THR, APRX 85FT AGL. |      |             |                     |             |             |
| 23                                                                                | (2)  | 1096 (3596) | 1159 (3802) (5.39%) | 1096 (3596) | 1096 (3596) |
| APCH SFC infringed by trees APRX 510M before RWY 23 THR, APRX 85FT AGL.           |      |             |                     |             |             |
| Slope 0.3% down to SW. RWY WID 30 RWS WID 90 Graded 90                            |      |             |                     |             |             |
| 14                                                                                | (3)  | 1800 (5905) | 1860 (6102) (2.8%)  | 1800 (5905) | 1800 (5905) |
| RESA dimensions 90M X 60M commences from RWS end.                                 |      |             |                     |             |             |
| 32                                                                                | (3)  | 1800 (5905) | 1860 (6102) (1.74%) | 1800 (5905) | 1800 (5905) |
| RESA dimensions 90M X 60M commences from RWS end.                                 |      |             |                     |             |             |
| RWY 14/32 APCH inner edge length 150M.                                            |      |             |                     |             |             |
| Slope 0.1% down to SE. RWY WID 30 RWS WID 150                                     |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|
| RWY23- | 894(2933)(3.3)  | 1125(3691)(5.0) |                 |                 |
| RWY14- | 1751(5745)(1.6) | 1790(5873)(1.9) | 1819(5968)(2.2) | 1842(6043)(2.5) |
| RWY32- | 1796(5892)(1.6) |                 |                 |                 |

ALBURY

| RWY | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-----|------|-------------|---------------------|-------------|-------------|
| 07  | (3)  | 1900 (6234) | 1990 (6529) (2.61%) | 1900 (6234) | 1900 (6234) |
| 25  | (3)  | 1900 (6234) | 1990 (6529) (3.61%) | 1900 (6234) | 1900 (6234) |

Slope 0.2% down to E. RWY WID 30 RWS WID 150

SUPPLEMENTARY TAKEOFF DISTANCES

RWY07- 1678(5505)(2.5)  
RWY25- 1971(6466)(3.3)

TAXIWAY INTERSECTION DECLARED DISTANCES

RWY07- TKOF from TWY E; RWY remaining 1677(5502) reduce all DIST by 223(732)

ALICE SPRINGS

| RWY                                                      | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 12                                                       | (4)  | 2438 (7999) | 2738 (8983) (1.2%)  | 2438 (7999) | 2438 (7999) |
| RESA dimensions 240M X 150M commences from RWS end.      |      |             |                     |             |             |
| 30                                                       | (4)  | 2438 (7999) | 2738 (8983) (1.92%) | 2438 (7999) | 2438 (7999) |
| RESA dimensions 240M X 150M commences from RWS end.      |      |             |                     |             |             |
| APCH LGTS up to 3.6FT high WI CWY.                       |      |             |                     |             |             |
| Slope 0.3% down to SE. RWY WID 45 RWS WID 280 Graded 150 |      |             |                     |             |             |
| 17                                                       | (2)  | 1133 (3717) | 1193 (3914) (1.2%)  | 1133 (3717) | 1133 (3717) |
| RESA dimensions 120M X 90M commences from RWS end.       |      |             |                     |             |             |
| 35                                                       | (2)  | 1133 (3717) | 1193 (3914) (3.79%) | 1133 (3717) | 1133 (3717) |
| RESA dimensions 120M X 90M commences from RWS end.       |      |             |                     |             |             |
| Slope 0.2% down to S. RWY WID 18 RWS WID 90              |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY30- 913(2995)(1.6) 2685(8809)(1.9)  
RWY35- 838(2749)(1.9) 945(3100)(2.2) 1023(3356)(2.5) 1146(3760)(3.3)

TAXIWAY INTERSECTION DECLARED DISTANCES

RWY12- TKOF from TWY C; RWY remaining 1738(5702) reduce all DIST by 700(2297)  
RWY12- TKOF from TWY D; RWY remaining 1661(5449) reduce all DIST by 777(2549)  
RWY12- TKOF from TWY E; RWY remaining 1307(4288) reduce all DIST by 1131(3711)  
RWY30- TKOF from TWY C; RWY remaining 723(2372) reduce all DIST by 1715(5627)  
RWY30- TKOF from TWY D; RWY remaining 800(2625) reduce all DIST by 1638(5374)  
RWY30- TKOF from TWY E; RWY remaining 1146(3760) reduce all DIST by 1292(4239)

ALPHA

| RWY | (CN) | TORA        | TODA               | ASDA        | LDA         |
|-----|------|-------------|--------------------|-------------|-------------|
| 18  | (2)  | 1456 (4777) | 1516 (4974) (3.4%) | 1456 (4777) | 1456 (4777) |
| 36  | (2)  | 1456 (4777) | 1516 (4974) (3%)   | 1456 (4777) | 1456 (4777) |

Slope 0.2% down to N. RWY WID 30 RWS WID 90

SUPPLEMENTARY TAKEOFF DISTANCES

RWY18- 1362(4468)(1.6) 1411(4629)(1.9) 1444(4737)(2.2) 1469(4819)(2.5) 1512(4961)(3.3)  
RWY36- 1232(4042)(1.6) 1325(4347)(1.9) 1394(4573)(2.2) 1449(4754)(2.5)

AMBERLEY

| RWY                                                                                                    | (CN)  | TORA        | TODA                 | ASDA        | LDA         |
|--------------------------------------------------------------------------------------------------------|-------|-------------|----------------------|-------------|-------------|
| 04                                                                                                     | (MIL) | 1523 (4997) | 1583 (5194) (3.11%)  | 1523 (4997) | 1523 (4997) |
| 22                                                                                                     | (MIL) | 1523 (4997) | 1583 (5194) (4.88%)  | 1523 (4997) | 1523 (4997) |
| TKOF/Climb SFC inner edge WID 180M.                                                                    |       |             |                      |             |             |
| Slope 0.53% up to SW to 323M, then up 0.4% to 1023M, then down 0.3% to RWY end. RWY WID 45 RWS WID 230 |       |             |                      |             |             |
| 15                                                                                                     | (MIL) | 3047 (9997) | 3107 (10193) (3.82%) | 3047 (9997) | 3047 (9997) |
| 33                                                                                                     | (MIL) | 3047 (9997) | 3107 (10193) (2.24%) | 3047 (9997) | 3047 (9997) |
| CWY RWY 15 60M, CWY RWY 33 60M. SWY both RWY NIL.                                                      |       |             |                      |             |             |
| TKOF/Climb SFC inner edge WID 180M.                                                                    |       |             |                      |             |             |

RUNWAY INTERSECTION DECLARED DISTANCES

RWY 15 - TKOF from RWY 04/22; RWY remaining 787 (2582) reduce all DIST by 2260 (7415)  
RWY 33 - TKOF from RWY 04/22; RWY remaining 2305 (7562) reduce all DIST by 742 (2434)  
Slope 0.08% down to NW to 746M, then down 0.21% down to 1546M, level to 2746M then up 0.11% to RWY end. RWY WID 45 RWS WID 230

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| RWY04- | 836(2743)(2.0)  | 1023(3356)(2.2) | 1252(4108)(2.5) |                 |                 |
| RWY22- | 917(3008)(2.0)  | 1112(3648)(2.2) | 1248(4094)(2.5) | 1419(4655)(3.3) |                 |
| RWY15- | 969(3179)(1.6)  | 2566(8419)(1.9) | 2620(8596)(2.0) | 2715(8907)(2.2) | 2827(9275)(2.5) |
|        | 3024(9921)(3.3) |                 |                 |                 |                 |
| RWY33- | 1886(6188)(1.9) | 2255(7398)(2.0) | 2896(9501)(2.2) |                 |                 |

TAXIWAY INTERSECTION DECLARED DISTANCES

|        |                   |                          |                               |
|--------|-------------------|--------------------------|-------------------------------|
| RWY15- | TKOF from TWY A2; | RWY remaining 1590(5216) | reduce all DIST by 1457(4780) |
| RWY15- | TKOF from TWY A3; | RWY remaining 2444(8018) | reduce all DIST by 603(1978)  |
| RWY33- | TKOF from TWY A2; | RWY remaining 1479(4852) | reduce all DIST by 1568(5144) |
| RWY33- | TKOF from TWY A3; | RWY remaining 627(2057)  | reduce all DIST by 2420(7940) |

ARARAT

| RWY                                               | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 04                                                | (1)  | 660 (2165)  | 720 (2362) (4.12%)  | 660 (2165)  | 660 (2165)  |
| 22                                                | (1)  | 660 (2165)  | 720 (2362) (2.46%)  | 660 (2165)  | 660 (2165)  |
| Slope 0.4% down to NE. RWY WID 30 RWS WID 90      |      |             |                     |             |             |
| 12                                                | (1)  | 1240 (4068) | 1300 (4265) (1.51%) | 1240 (4068) | 1240 (4068) |
| RESA dimensions 60M X 34M commences from RWY end. |      |             |                     |             |             |
| 30                                                | (1)  | 1240 (4068) | 1300 (4265) (1.86%) | 1240 (4068) | 1240 (4068) |
| RESA dimensions 60M X 34M commences from RWY end. |      |             |                     |             |             |
| Slope 0.2% down to NW. RWY WID 18 RWS WID 90      |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |
|--------|-----------------|
| RWY30- | 1289(4229)(1.6) |
|--------|-----------------|

ARGYLE

| RWY                                               | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 01                                                | (3)  | 2300 (7546) | 2360 (7743) (1.71%) | 2300 (7546) | 2300 (7546) |
| RESA dimensions 90M X 60M commences from RWY end. |      |             |                     |             |             |
| 19                                                | (3)  | 2300 (7546) | 2360 (7743) (2.67%) | 2300 (7546) | 2300 (7546) |
| RESA dimensions 90M X 60M commences from RWY end. |      |             |                     |             |             |
| Slope 0.2% down to N. RWY WID 30 RWS WID 150      |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |  |
|--------|-----------------|-----------------|-----------------|-----------------|--|
| RWY01- | 2340(7677)(1.6) |                 |                 |                 |  |
| RWY19- | 1874(6148)(1.6) | 2081(6827)(1.9) | 2215(7267)(2.2) | 2315(7595)(2.5) |  |

ARMIDALE

| RWY                                                                                                                     | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 05                                                                                                                      | (3)  | 1738 (5702) | 1798 (5899) (1.2%)  | 1738 (5702) | 1738 (5702) |
| RESA dimensions 60M X 60M commences from RWY end.                                                                       |      |             |                     |             |             |
| 23                                                                                                                      | (3)  | 1738 (5702) | 1798 (5899) (1.99%) | 1738 (5702) | 1738 (5702) |
| RESA dimensions 60M X 60M commences from RWY end.                                                                       |      |             |                     |             |             |
| Fence 9.4FT ABV and parallel to RWY, 90M SE of RCL is not taken into account in the calculation of TODA GRAD and STODA. |      |             |                     |             |             |
| Slope 0.4% down to SW. RWY WID 30 RWS WID 150 Graded 90                                                                 |      |             |                     |             |             |
| 09                                                                                                                      | (2)  | 1116 (3661) | 1176 (3858) (2.53%) | 1116 (3661) | 1116 (3661) |
| RESA dimensions 60M X 60M commences from RWY end.                                                                       |      |             |                     |             |             |
| 27                                                                                                                      | (2)  | 1116 (3661) | 1176 (3858) (3.29%) | 1116 (3661) | 1116 (3661) |
| RESA dimensions 60M X 60M commences from RWY end.                                                                       |      |             |                     |             |             |
| Slope 0.8% down to W. RWY WID 30 RWS WID 90                                                                             |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |  |
|--------|-----------------|-----------------|-----------------|-----------------|--|
| RWY23- | 1630(5348)(1.6) | 1769(5804)(1.9) |                 |                 |  |
| RWY09- | 951(3120)(1.6)  | 1066(3497)(1.9) | 1121(3678)(2.2) | 1172(3845)(2.5) |  |
| RWY27- | 933(3061)(1.6)  | 995(3264)(1.9)  | 1047(3435)(2.2) | 1092(3583)(2.5) |  |

AURUKUN

| RWY                                            | (CN) | TORA        | TODA                | ASDA        | LDA         |
|------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 16                                             | (2)  | 1260 (4134) | 1320 (4331) (2.45%) | 1260 (4134) | 1260 (4134) |
| RESA dimensions 90M X 30M from RWY end.        |      |             |                     |             |             |
| 34                                             | (2)  | 1260 (4134) | 1320 (4331) (1.56%) | 1260 (4134) | 1260 (4134) |
| RESA dimensions 90M X 30M from RWY end.        |      |             |                     |             |             |
| RWY 16/34 TKOF and APCH inner edge length 90M. |      |             |                     |             |             |
| Slope Level. RWY WID 30 RWS WID 90             |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                |                 |                 |  |  |
|--------|----------------|-----------------|-----------------|--|--|
| RWY16- | 922(3025)(1.6) | 1102(3615)(1.9) | 1233(4045)(2.2) |  |  |
|--------|----------------|-----------------|-----------------|--|--|

AVALON

| RWY                                                      | (CN) | TORA         | TODA                 | ASDA         | LDA          |
|----------------------------------------------------------|------|--------------|----------------------|--------------|--------------|
| 18                                                       | (4)  | 3048 (10000) | 3353 (11001) (1.79%) | 3108 (10197) | 3048 (10000) |
| RESA dimensions 90M X 90M commences from RWS end.        |      |              |                      |              |              |
| 36                                                       | (4)  | 3048 (10000) | 3291 (10797) (1.79%) | 3108 (10197) | 3048 (10000) |
| RESA dimensions 90M X 90M commences from RWS end.        |      |              |                      |              |              |
| Slope 0.03% down to N. RWY WID 45 RWS WID 300 Graded 150 |      |              |                      |              |              |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                  |  |  |  |  |
|--------|------------------|--|--|--|--|
| RWY18- | 3327(10915)(1.6) |  |  |  |  |
| RWY36- | 3185(10449)(1.6) |  |  |  |  |

AYERS ROCK/CONNELLAN

| RWY                                                                       | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 13                                                                        | (3)  | 2599 (8527) | 2659 (8724) (2.33%) | 2599 (8527) | 2599 (8527) |
| RESA dimensions 90M X 60M commences from RWY end.                         |      |             |                     |             |             |
| 31                                                                        | (3)  | 2599 (8527) | 2659 (8724) (1.58%) | 2599 (8527) | 2599 (8527) |
| RESA dimensions 90M X 60M commences from RWY end.                         |      |             |                     |             |             |
| Slope SE end level to RWY centre. 0.3% down to NW. RWY WID 30 RWS WID 150 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |  |  |
|--------|-----------------|-----------------|-----------------|--|--|
| RWY13- | 2505(8218)(1.6) | 2590(8497)(1.9) | 2642(8668)(2.2) |  |  |
|--------|-----------------|-----------------|-----------------|--|--|

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**BAIRNSDALE**

| RWY                                                    | (CN) | TORA        | TODA                | ASDA        | LDA         |
|--------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 04                                                     | (1)  | 1098 (3602) | 1158 (3799) (2.23%) | 1098 (3602) | 1098 (3602) |
| RESA dimensions 60M X 90M commences from RWY end.      |      |             |                     |             |             |
| 22                                                     | (1)  | 1098 (3602) | 1158 (3799) (3.42%) | 1098 (3602) | 1098 (3602) |
| RESA dimensions 60M X 90M commences from RWY end.      |      |             |                     |             |             |
| Slope 0.3% down to NE. RWY WID 18 RWS WID 90 Graded 90 |      |             |                     |             |             |
| 13                                                     | (1)  | 852 (2795)  | 912 (2992) (3.59%)  | 852 (2795)  | 852 (2795)  |
| RESA dimensions 60M X 80M commences from RWY end.      |      |             |                     |             |             |
| 31                                                     | (1)  | 852 (2795)  | 912 (2992) (3.54%)  | 852 (2795)  | 852 (2795)  |
| RESA dimensions 60M X 80M commences from RWY end.      |      |             |                     |             |             |
| Slope 0.1% down to SE. RWY WID 18 RWS WID 80           |      |             |                     |             |             |

**SUPPLEMENTARY TAKEOFF DISTANCES**

|        |                |                 |                 |                 |
|--------|----------------|-----------------|-----------------|-----------------|
| RWY04- | 924(3031)(1.6) | 1047(3435)(1.9) | 1148(3766)(2.2) |                 |
| RWY22- | 811(2661)(1.9) | 924(3031)(2.2)  | 1008(3307)(2.5) | 1144(3753)(3.3) |
| RWY13- | 875(2871)(3.3) |                 |                 |                 |
| RWY31- | 864(2835)(3.3) |                 |                 |                 |

**BALGO HILL**

| RWY                                               | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 15                                                | (2)  | 1610 (5282) | 1670 (5479) (3.03%) | 1610 (5282) | 1610 (5282) |
| RESA dimensions 60M X 60M commences from RWY end. |      |             |                     |             |             |
| 33                                                | (2)  | 1610 (5282) | 1670 (5479) (1.2%)  | 1610 (5282) | 1610 (5282) |
| RESA dimensions 60M X 60M commences from RWY end. |      |             |                     |             |             |
| Slope 0.8% down to NW. RWY WID 30 RWS WID 90      |      |             |                     |             |             |

**SUPPLEMENTARY TAKEOFF DISTANCES**

|        |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|
| RWY15- | 1357(4452)(1.6) | 1480(4856)(1.9) | 1556(5105)(2.2) | 1608(5276)(2.5) |
|--------|-----------------|-----------------|-----------------|-----------------|

**BALLARAT**

| RWY                                                                                                                                                   | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 05                                                                                                                                                    | (3)  | 1265 (4150) | 1325 (4347) (4.63%) | 1265 (4150) | 1265 (4150) |
| RESA dimensions 55M X 30M commences from RWY end.                                                                                                     |      |             |                     |             |             |
| RWY 05 S side transitional SFC infringed by tower and radio aerial.                                                                                   |      |             |                     |             |             |
| 23                                                                                                                                                    | (3)  | 1265 (4150) | 1325 (4347) (6.05%) | 1265 (4150) | 1265 (4150) |
| RESA dimensions 150M X 30M commences from RWY end.                                                                                                    |      |             |                     |             |             |
| Slope 0.4% from centre down to ends. RWY WID 30 RWS WID 90                                                                                            |      |             |                     |             |             |
| 13                                                                                                                                                    | (1)  | 568 (1863)  | 628 (2060) (2.05%)  | 568 (1863)  | 568 (1863)  |
| 31                                                                                                                                                    | (1)  | 568 (1863)  | 628 (2060) (1.38%)  | 568 (1863)  | 568 (1863)  |
| Slope 0.6% down to N. RWY WID 30 RWS WID 90                                                                                                           |      |             |                     |             |             |
| 18                                                                                                                                                    | (3)  | 1245 (4085) | 1305 (4281) (2.49%) | 1245 (4085) | 1245 (4085) |
| 1. 3.33% OBST CLR APCH SFC LDG RWY 18 terminates at THR, not RWS end.                                                                                 |      |             |                     |             |             |
| 2. LDG RWY 18 - Unlit OBST fence 4.9FT ABV and 36M N of RWS end.                                                                                      |      |             |                     |             |             |
| 3. Transient OBST up to 17.6FT ABV and 57M S of RWS end is not taken into account in calculation of TODA GRAD and STODA.                              |      |             |                     |             |             |
| 4. OBST fence up to 6.5FT ABV and PARL to RWY, 78M E of RCL not taken into account in calculation of TODA GRAD and STODA.                             |      |             |                     |             |             |
| 5. Unlit OBST fence 8.2FT ABV, 32M S of RWS end not taken into account in calculation of TODA GRAD and STODA.                                         |      |             |                     |             |             |
| 36                                                                                                                                                    | (3)  | 1245 (4085) | 1305 (4281) (3.43%) | 1245 (4085) | 1245 (4085) |
| RESA dimensions 130M X 30M commences from RWY end.                                                                                                    |      |             |                     |             |             |
| OBST fences 4.2FT ABV and PARL to RWY, 77M E of RCL, and 3.8FT ABV and 87M W of RCL are not taken into account in calculation of TODA GRAD and STODA. |      |             |                     |             |             |
| Slope 0.1% down to N. RWY WID 30 RWS WID 150 Graded 90                                                                                                |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| RWY05- | 967(3173)(2.2)  | 1043(3422)(2.5) | 1201(3940)(3.3) |                 |                 |
| RWY23- | 875(2871)(1.6)  | 1001(3284)(1.9) | 1115(3658)(2.2) | 1211(3973)(2.5) | 1311(4301)(3.3) |
|        | 1321(4334)(5.0) |                 |                 |                 |                 |
| RWY18- | 841(2759)(1.9)  | 1115(3658)(2.2) |                 |                 |                 |
| RWY36- | 1208(3963)(2.5) | 1294(4245)(3.3) |                 |                 |                 |

BALLERA

| RWY | (CN) | TORA                                                                            | TODA               | ASDA        | LDA         |
|-----|------|---------------------------------------------------------------------------------|--------------------|-------------|-------------|
| 03  | (3)  | 1800 (5905)                                                                     | 1860 (6102) (1.2%) | 1800 (5905) | 1800 (5905) |
|     |      | RESA dimensions 90M X 60M commences from RWY end.                               |                    |             |             |
| 21  | (3)  | 1800 (5905)                                                                     | 1860 (6102) (1.2%) | 1800 (5905) | 1800 (5905) |
|     |      | RESA dimensions 90M X 60M commences from RWY end.                               |                    |             |             |
|     |      | Slope Up 0.29% to SW to 460M then DOWN 0.23% to RWY end. RWY WID 30 RWS WID 150 |                    |             |             |
|     |      | Graded 90                                                                       |                    |             |             |

BALLINA/BYRON GATEWAY

| RWY | (CN) | TORA                                                          | TODA                | ASDA        | LDA         |
|-----|------|---------------------------------------------------------------|---------------------|-------------|-------------|
| 06  | (3)  | 1900 (6234)                                                   | 1960 (6430) (3.42%) | 1900 (6234) | 1900 (6234) |
|     |      | RESA dimensions 90M X 60M commences from RWY end.             |                     |             |             |
| 24  | (3)  | 1900 (6234)                                                   | 1960 (6430) (3.27%) | 1900 (6234) | 1900 (6234) |
|     |      | RESA dimensions 90M X 60M commences from RWY end.             |                     |             |             |
|     |      | APCH SFC survey based on 150M inner edge WID, gradient 3.33%. |                     |             |             |
|     |      | Slope Level. RWY WID 30 RWS WID 150 Graded 150                |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|
| RWY06- | 1192(3911)(1.9) | 1498(4915)(2.2) | 1730(5676)(2.5) | 1938(6358)(3.3) |
| RWY24- | 1329(4360)(1.9) | 1535(5036)(2.2) | 1693(5554)(2.5) |                 |

TAXIWAY INTERSECTION DECLARED DISTANCES

|        |                  |                          |                              |
|--------|------------------|--------------------------|------------------------------|
| RWY06- | TKOF from TWY A; | RWY remaining 1615(5298) | reduce all DIST by 285(935)  |
| RWY06- | TKOF from TWY B; | RWY remaining 1435(4708) | reduce all DIST by 465(1526) |

BALRANALD

| RWY | (CN) | TORA                               | TODA                | ASDA        | LDA         |
|-----|------|------------------------------------|---------------------|-------------|-------------|
| 08  | (1)  | 650 (2133)                         | 710 (2329) (3.94%)  | 650 (2133)  | 650 (2133)  |
| 26  | (1)  | 650 (2133)                         | 710 (2329) (2%)     | 650 (2133)  | 650 (2133)  |
|     |      | Slope Level. RWY WID 30 RWS WID 90 |                     |             |             |
| 18  | (1)  | 1185 (3888)                        | 1245 (4085) (3.47%) | 1185 (3888) | 1185 (3888) |
| 36  | (1)  | 1185 (3888)                        | 1245 (4085) (1.8%)  | 1185 (3888) | 1185 (3888) |
|     |      | Slope Level. RWY WID 18 RWS WID 90 |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                |                 |                 |
|--------|-----------------|----------------|-----------------|-----------------|
| RWY18- | 813(2667)(1.9)  | 949(3113)(2.2) | 1052(3451)(2.5) | 1228(4029)(3.3) |
| RWY36- | 1229(4032)(1.6) |                |                 |                 |

BARCALDINE

| RWY | (CN) | TORA                                                                                                                                 | TODA                | ASDA        | LDA         |
|-----|------|--------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------|-------------|
| 01  | (3)  | 1702 (5584)                                                                                                                          | 1762 (5781) (3.67%) | 1702 (5584) | 1702 (5584) |
| 19  | (3)  | 1702 (5584)                                                                                                                          | 1762 (5781) (3%)    | 1702 (5584) | 1702 (5584) |
|     |      | CAUTION: S end unlit OBST bank 54FT above and 76M E of RWY CL has not been taken into account in calculation of TODA GRAD and STODA. |                     |             |             |
|     |      | CAUTION: S end unlit OBST bank 19FT above and 80M W of RWY CL has not been taken into account in calculation of TODA GRAD and STODA. |                     |             |             |
|     |      | Slope 0.1% down to N. RWY WID 30 RWS WID 150 Graded 90                                                                               |                     |             |             |
| 14  | (2)  | 1115 (3658)                                                                                                                          | 1175 (3855) (2.5%)  | 1115 (3658) | 1115 (3658) |
| 32  | (2)  | 1115 (3658)                                                                                                                          | 1175 (3855) (2.04%) | 1115 (3658) | 1115 (3658) |
|     |      | Slope 0.2% down to NW. RWY WID 30 RWS WID 90                                                                                         |                     |             |             |

| SUPPLEMENTARY TAKEOFF DISTANCES |                 |                 |                 |                 |                 |  |
|---------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|--|
| RWY01-                          | 1424(4672)(1.6) | 1537(5043)(1.9) | 1601(5253)(2.2) | 1649(5410)(2.5) | 1735(5692)(3.3) |  |
| RWY19-                          | 1418(4652)(1.6) | 1536(5039)(1.9) | 1620(5315)(2.2) | 1684(5525)(2.5) |                 |  |
| RWY14-                          | 872(2861)(1.6)  | 1012(3320)(1.9) | 1107(3632)(2.2) |                 |                 |  |
| RWY32-                          | 975(3199)(1.6)  | 1131(3711)(1.9) |                 |                 |                 |  |

BARIMUNYA

| RWY | (CN) | TORA                                                                                                    | TODA                | ASDA        | LDA         |  |
|-----|------|---------------------------------------------------------------------------------------------------------|---------------------|-------------|-------------|--|
| 10  | (3)  | 1940 (6365)                                                                                             | 2000 (6562) (1.85%) | 1940 (6365) | 1880 (6168) |  |
|     |      | RESA dimensions 90M X 60M commences from RWS end.                                                       |                     |             |             |  |
| 28  | (3)  | 1940 (6365)                                                                                             | 2000 (6562) (1.57%) | 1940 (6365) | 1880 (6168) |  |
|     |      | RESA dimensions 90M X 60M commences from RWS end.                                                       |                     |             |             |  |
|     |      | 1. RWY 10/28 APCH inner edge length 150M.                                                               |                     |             |             |  |
|     |      | 2. RWY 10/28 TORA, TODA and ASDA begin at RWS end.                                                      |                     |             |             |  |
|     |      | 3. RWY 10/28 transitional SFC infringed 1FT by Eastern IWL.                                             |                     |             |             |  |
|     |      | 4. RWY 10/28 transitional SFC infringed 8FT by Western IWL marked with red OBS light.                   |                     |             |             |  |
|     |      | Slope rises at 1.0% FM both THR for first 300M. Hump in centre of RWY. RWY WID 30 RWS WID 150 Graded 90 |                     |             |             |  |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |  |  |  |  |  |
|--------|-----------------|--|--|--|--|--|
| RWY10- | 1986(6516)(1.6) |  |  |  |  |  |
|--------|-----------------|--|--|--|--|--|

BARROW ISLAND

| RWY | (CN) | TORA                                                                                 | TODA                | ASDA        | LDA         |  |
|-----|------|--------------------------------------------------------------------------------------|---------------------|-------------|-------------|--|
| 03  | (3)  | 1900 (6234)                                                                          | 1960 (6430) (1.57%) | 1900 (6234) | 1900 (6234) |  |
|     |      | RESA dimensions 90M X 60M commences from RWY end.                                    |                     |             |             |  |
| 21  | (3)  | 1900 (6234)                                                                          | 1960 (6430) (3.24%) | 1900 (6234) | 1900 (6234) |  |
|     |      | RESA dimensions 90M X 60M commences from RWY end.                                    |                     |             |             |  |
|     |      | 1. Anthills, 90M either side RCL, 1975M FM SOT RWY 21, 6FT AGL. 10.1% TKOF gradient. |                     |             |             |  |
|     |      | 2. RWY 03/21 APCH inner edge length 150M.                                            |                     |             |             |  |
|     |      | Slope 0.15% down to NE. RWY WID 30 RWS WID 150 Graded 90                             |                     |             |             |  |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |  |  |
|--------|-----------------|-----------------|-----------------|-----------------|--|--|
| RWY21- | 1892(6207)(1.6) | 1914(6279)(1.9) | 1929(6329)(2.2) | 1941(6368)(2.5) |  |  |
|--------|-----------------|-----------------|-----------------|-----------------|--|--|

BATHURST

| RWY | (CN) | TORA                                                                                                                                                                 | TODA                | ASDA        | LDA         |  |
|-----|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------|-------------|--|
| 08  | (2)  | 1318 (4324)                                                                                                                                                          | 1378 (4521) (3.17%) | 1318 (4324) | 1318 (4324) |  |
|     |      | RESA dimensions 300M X 90M commences from RWY end.                                                                                                                   |                     |             |             |  |
| 26  | (2)  | 1318 (4324)                                                                                                                                                          | 1378 (4521) (1.2%)  | 1318 (4324) | 1318 (4324) |  |
|     |      | RESA dimensions 300M X 90M commences from RWY end.                                                                                                                   |                     |             |             |  |
|     |      | Slope 0.6% down to W. RWY WID 18 RWS WID 90                                                                                                                          |                     |             |             |  |
| 17  | (3)  | 1705 (5594)                                                                                                                                                          | 1765 (5791) (2.38%) | 1705 (5594) | 1705 (5594) |  |
|     |      | RESA dimensions 300M X 90M commences from RWY end.                                                                                                                   |                     |             |             |  |
| 35  | (3)  | 1705 (5594)                                                                                                                                                          | 1765 (5791) (2.68%) | 1705 (5594) | 1705 (5594) |  |
|     |      | RESA dimensions 300M X 90M commences from RWY end.                                                                                                                   |                     |             |             |  |
|     |      | 1. OBST fence 10FT ABV and PARL RWY 76.1M W of RCL and OBST fence 2FT ABV and PARL RWY 76.2M E of RCL not taken into account in determining TODA gradient and STODA. |                     |             |             |  |
|     |      | 2. TKOF/Climb SFC inner edge 150.                                                                                                                                    |                     |             |             |  |
|     |      | Slope 0.8% down to N. RWY WID 30 RWS WID 150 Graded 90                                                                                                               |                     |             |             |  |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |  |  |
|--------|-----------------|-----------------|-----------------|-----------------|--|--|
| RWY08- | 1054(3458)(2.5) |                 |                 |                 |  |  |
| RWY17- | 1348(4423)(1.6) | 1582(5190)(1.9) | 1699(5574)(2.2) |                 |  |  |
| RWY35- | 913(2995)(1.6)  | 1418(4652)(1.9) | 1671(5482)(2.2) | 1730(5676)(2.5) |  |  |

BATHURST ISLAND

| RWY                                                                     | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 15                                                                      | (3)  | 1470 (4823) | 1530 (5020) (4.78%) | 1470 (4823) | 1470 (4823) |
| RWY 15 fence 1559M FM start of TORA and on EXTD CL 5FT ABV end of TODA. |      |             |                     |             |             |
| 33                                                                      | (3)  | 1470 (4823) | 1530 (5020) (4.43%) | 1470 (4823) | 1470 (4823) |
| RWY 15/33 OBST surveys are conducted using 90M inner edge width.        |      |             |                     |             |             |
| Slope 0.7% down to NW. RWY WID 30 RWS WID 90                            |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| RWY15- | 1247(4091)(1.6) | 1338(4390)(1.9) | 1392(4567)(2.2) | 1428(4685)(2.5) | 1484(4869)(3.3) |
| RWY33- | 1174(3852)(1.6) | 1248(4094)(1.9) | 1307(4288)(2.2) | 1355(4445)(2.5) | 1448(4751)(3.3) |

BEDOURIE

| RWY                                                                                                                 | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 14                                                                                                                  | (2)  | 1810 (5938) | 1870 (6135) (2.1%)  | 1810 (5938) | 1810 (5938) |
| RESA dimensions 60M X 60M commences from RWY end.                                                                   |      |             |                     |             |             |
| 32                                                                                                                  | (2)  | 1810 (5938) | 1870 (6135) (1.27%) | 1810 (5938) | 1810 (5938) |
| RESA dimensions 60M X 60M commences from RWY end.                                                                   |      |             |                     |             |             |
| 1. RWY 14/32 TODA GRAD and STODA based off 150M inner edge length with 12.5 percent diversions.                     |      |             |                     |             |             |
| 2. Parallel sand dunes located APRX 51M E of RWY 14/32 CL ignored in the TODA GRAD and STODA. Infringes TNS by 2FT. |      |             |                     |             |             |
| Slope from centre, 0.2% down to NW and 0.12% down to SE. RWY WID 30 RWS WID 90                                      |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |
|--------|-----------------|-----------------|
| RWY14- | 1770(5807)(1.6) | 1837(6027)(1.9) |
|--------|-----------------|-----------------|

BELLEVUE

| RWY                                                     | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 01                                                      | (3)  | 2000 (6562) | 2060 (6758) (2.16%) | 2000 (6562) | 2000 (6562) |
| RESA dimensions 90M X 60M commences from RWS end.       |      |             |                     |             |             |
| 19                                                      | (3)  | 2000 (6562) | 2060 (6758) (1.29%) | 2000 (6562) | 2000 (6562) |
| RESA dimensions 90M X 60M commences from RWS end.       |      |             |                     |             |             |
| RWY 01/19 APCH inner edge length 150M.                  |      |             |                     |             |             |
| Slope 0.28% down to S. RWY WID 30 RWS WID 150 Graded 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |
|--------|-----------------|-----------------|
| RWY01- | 1886(6188)(1.6) | 1993(6539)(1.9) |
|--------|-----------------|-----------------|

BENALLA

| RWY                                                   | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 08                                                    | (1)  | 1043 (3422) | 1103 (3619) (2.86%) | 1043 (3422) | 1043 (3422) |
| 26                                                    | (1)  | 1043 (3422) | 1103 (3619) (2.1%)  | 1043 (3422) | 1043 (3422) |
| Slope 0.1% down to W. RWY WID 18 RWS WID 90 Graded 90 |      |             |                     |             |             |
| 17                                                    | (1)  | 718 (2356)  | 778 (2552) (4.31%)  | 718 (2356)  | 718 (2356)  |
| 35                                                    | (1)  | 718 (2356)  | 778 (2552) (4.72%)  | 718 (2356)  | 718 (2356)  |
| Slope 0.1% down to N. RWY WID 30 RWS WID 90 Graded 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                |                 |
|--------|----------------|-----------------|
| RWY08- | 913(2995)(2.2) | 1014(3327)(2.5) |
| RWY26- | 841(2759)(1.6) | 1004(3294)(1.9) |

BENDIGO

| RWY                                                                                                                                     | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-----------------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 05                                                                                                                                      | (1)  | 767 (2516)  | 827 (2713) (5.06%)  | 767 (2516)  | 767 (2516)  |
| RESA dimensions 60M X 36M commences from RWS end.                                                                                       |      |             |                     |             |             |
| 23                                                                                                                                      | (1)  | 767 (2516)  | 827 (2713) (5.25%)  | 767 (2516)  | 767 (2516)  |
| RESA dimensions 60M X 36M commences from RWS end.                                                                                       |      |             |                     |             |             |
| Slope 0.4% down to NE. RWY WID 18 RWS WID 60 Graded 60                                                                                  |      |             |                     |             |             |
| 17                                                                                                                                      | (3)  | 1600 (5249) | 1660 (5446) (3.26%) | 1600 (5249) | 1600 (5249) |
| RESA dimensions 90M X 60M commences from RWS end.                                                                                       |      |             |                     |             |             |
| 1. Unlit OBST fence 15.3FT ABV and 82M S of RWS end has not been taken into account in the calculation of the TODA GRAD and STODA.      |      |             |                     |             |             |
| 2. Transient OBST (vehicle) 32FT AGL and 1870M FM SOT RWY 17 has not been taken into account in the calculation of TODA GRAD and STODA. |      |             |                     |             |             |
| 35                                                                                                                                      | (3)  | 1600 (5249) | 1660 (5446) (2.91%) | 1600 (5249) | 1600 (5249) |
| RESA dimensions 90M X 60M commences from RWS end.                                                                                       |      |             |                     |             |             |
| Slope 600M N end 0.9% down to S, 1000M S end 1.1% down to N. RWY WID 30 RWS WID 150 Graded 90                                           |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                |                 |                 |                 |  |
|--------|----------------|-----------------|-----------------|-----------------|--|
| RWY05- | 824(2703)(5.0) |                 |                 |                 |  |
| RWY23- | 813(2667)(5.0) |                 |                 |                 |  |
| RWY17- | 809(2654)(2.2) | 1127(3697)(2.5) |                 |                 |  |
| RWY35- | 974(3195)(1.6) | 1194(3917)(1.9) | 1420(4659)(2.2) | 1553(5095)(2.5) |  |

BIRCHIP

| RWY                                                                                                                        | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 04                                                                                                                         | (1)  | 1043 (3422) | 1103 (3619) (1.2%)  | 1043 (3422) | 1043 (3422) |
| Transient OBST up to 14.8FT ABV and 80M NE of RWS end is not taken into account in the calculation of TODA GRAD and STODA. |      |             |                     |             |             |
| 22                                                                                                                         | (1)  | 1043 (3422) | 1103 (3619) (3.28%) | 1043 (3422) | 977 (3205)  |
| RWY 22 DTHR 66M (217FT).                                                                                                   |      |             |                     |             |             |
| Slope Level. RWY WID 18 RWS WID 90                                                                                         |      |             |                     |             |             |
| 09                                                                                                                         | (1)  | 524 (1719)  | 584 (1916) (1.28%)  | 524 (1719)  | 524 (1719)  |
| 27                                                                                                                         | (1)  | 524 (1719)  | 584 (1916) (3.16%)  | 524 (1719)  | 524 (1719)  |
| Slope Level. RWY WID 30 RWS WID 90                                                                                         |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                |                |  |  |  |
|--------|----------------|----------------|--|--|--|
| RWY22- | 918(3012)(2.2) | 991(3251)(2.5) |  |  |  |
|--------|----------------|----------------|--|--|--|

BIRDSVILLE

| RWY                                                     | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 03                                                      | (1)  | 800 (2625)  | 830 (2723) (1.6%)   | 800 (2625)  | 800 (2625)  |
| 21                                                      | (1)  | 800 (2625)  | 830 (2723) (1.6%)   | 800 (2625)  | 800 (2625)  |
| Slope Level. RWY WID 18 RWS WID 60                      |      |             |                     |             |             |
| 14                                                      | (3)  | 1732 (5682) | 1822 (5978) (3.08%) | 1732 (5682) | 1732 (5682) |
| RESA dimensions 60M X 60M commences from RWS end.       |      |             |                     |             |             |
| 32                                                      | (3)  | 1732 (5682) | 1792 (5879) (3.41%) | 1732 (5682) | 1732 (5682) |
| RESA dimensions 60M X 60M commences from RWS end.       |      |             |                     |             |             |
| Slope 0.1% down to SE. RWY WID 30 RWS WID 150 Graded 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| RWY14- | 1598(5243)(1.6) | 1670(5479)(1.9) | 1723(5653)(2.2) | 1765(5791)(2.5) |                 |
| RWY32- | 1445(4741)(1.6) | 1551(5089)(1.9) | 1627(5338)(2.2) | 1684(5525)(2.5) | 1782(5846)(3.3) |

BLACKALL

| RWY                                                    | (CN) | TORA        | TODA                | ASDA        | LDA         |
|--------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 06                                                     | (3)  | 1688 (5538) | 1748 (5735) (2.82%) | 1688 (5538) | 1688 (5538) |
| 24                                                     | (3)  | 1688 (5538) | 1748 (5735) (3.2%)  | 1688 (5538) | 1688 (5538) |
| Slope 0.1% down to SW. RWY WID 30 RWS WID 90 Graded 90 |      |             |                     |             |             |
| 12                                                     | (2)  | 1603 (5259) | 1663 (5456) (2.45%) | 1603 (5259) | 1603 (5259) |
| 30                                                     | (2)  | 1603 (5259) | 1663 (5456) (3.2%)  | 1603 (5259) | 1603 (5259) |
| Slope 0.1% down to NW. RWY WID 30 RWS WID 90           |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |  |
|--------|-----------------|-----------------|-----------------|-----------------|--|
| RWY06- | 1234(4049)(1.6) | 1427(4682)(1.9) | 1564(5131)(2.2) | 1666(5466)(2.5) |  |
| RWY24- | 1506(4941)(1.6) | 1603(5259)(1.9) | 1651(5417)(2.2) | 1688(5538)(2.5) |  |
| RWY12- | 1308(4291)(1.6) | 1496(4908)(1.9) | 1620(5315)(2.2) |                 |  |
| RWY30- | 1318(4324)(1.6) | 1424(4672)(1.9) | 1502(4928)(2.2) | 1564(5131)(2.5) |  |

BOOLGEEDA

| RWY                                                      | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 08                                                       | (4)  | 2200 (7218) | 2260 (7415) (2.75%) | 2200 (7218) | 2200 (7218) |
| 26                                                       | (4)  | 2200 (7218) | 2260 (7415) (1.88%) | 2200 (7218) | 2200 (7218) |
| Slope 0.66% down to W. RWY WID 45 RWS WID 300 Graded 150 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |  |  |
|--------|-----------------|-----------------|-----------------|--|--|
| RWY08- | 2181(7155)(1.9) | 2219(7280)(2.2) | 2244(7362)(2.5) |  |  |
| RWY26- | 2227(7306)(1.6) |                 |                 |  |  |

BOULIA

| RWY                                                      | (CN) | TORA        | TODA               | ASDA        | LDA         |
|----------------------------------------------------------|------|-------------|--------------------|-------------|-------------|
| 14                                                       | (3)  | 1801 (5909) | 1861 (6106) (1.2%) | 1801 (5909) | 1801 (5909) |
| 32                                                       | (3)  | 1801 (5909) | 1861 (6106) (1.6%) | 1801 (5909) | 1801 (5909) |
| Take-off inner edge WID 180M.                            |      |             |                    |             |             |
| Slope 0.15% down to SE. RWY WID 30 RWS WID 150 Graded 90 |      |             |                    |             |             |

BOURKE

| RWY                                               | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 05                                                | (3)  | 1830 (6004) | 1890 (6201) (9.25%) | 1830 (6004) | 1830 (6004) |
| RESA dimensions 90M X 60M commences from RWY end. |      |             |                     |             |             |
| 23                                                | (3)  | 1830 (6004) | 1890 (6201) (3.29%) | 1830 (6004) | 1830 (6004) |
| RESA dimensions 90M X 60M commences from RWY end. |      |             |                     |             |             |
| Slope Level. RWY WID 30 RWS WID 150 Graded 90     |      |             |                     |             |             |
| 18                                                | (1)  | 1000 (3281) | 1060 (3478) (2.68%) | 1000 (3281) | 1000 (3281) |
| 36                                                | (1)  | 1000 (3281) | 1060 (3478) (3.04%) | 1000 (3281) | 1000 (3281) |
| Slope Level. RWY WID 30 RWS WID 90                |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| RWY05- | 1637(5371)(1.6) | 1753(5751)(1.9) | 1799(5902)(2.2) | 1814(5951)(2.5) | 1840(6037)(3.3) |
|        | 1866(6122)(5.0) |                 |                 |                 |                 |
| RWY23- | 1841(6040)(1.6) | 1856(6089)(1.9) | 1867(6125)(2.2) | 1875(6152)(2.5) |                 |
| RWY18- | 870(2854)(2.2)  | 1001(3284)(2.5) |                 |                 |                 |
| RWY36- | 878(2881)(1.9)  | 941(3087)(2.2)  | 996(3268)(2.5)  |                 |                 |

**BOWEN**

| RWY | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-----|------|-------------|---------------------|-------------|-------------|
| 04  | (2)  | 1308 (4291) | 1368 (4488) (8.06%) | 1308 (4291) | 1308 (4291) |
| 22  | (2)  | 1308 (4291) | 1368 (4488) (4.39%) | 1308 (4291) | 1228 (4029) |

RWY 22 DTHR 80M.

Slope 0.3% down to NE. RWY WID 18 RWS WID 90

|    |     |            |                    |            |            |
|----|-----|------------|--------------------|------------|------------|
| 12 | (1) | 901 (2956) | 961 (3153) (3.16%) | 901 (2956) | 901 (2956) |
| 30 | (1) | 901 (2956) | 961 (3153) (5.6%)  | 901 (2956) | 901 (2956) |

Slope 0.2% down to SE. RWY WID 23 RWS WID 90

**SUPPLEMENTARY TAKEOFF DISTANCES**

RWY04- 1191(3907)(1.6) 1223(4012)(1.9) 1247(4091)(2.2) 1266(4153)(2.5) 1300(4265)(3.3)  
 RWY22- 937(3074)(1.6) 1154(3786)(1.9) 1255(4117)(2.2) 1329(4360)(2.5) 1360(4462)(3.3)  
 RWY12- 832(2730)(1.6) 872(2861)(1.9) 901(2956)(2.2) 925(3035)(2.5)  
 RWY30- 876(2874)(3.3) 947(3107)(5.0)

**BREWARRINA**

| RWY | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-----|------|-------------|---------------------|-------------|-------------|
| 03  | (2)  | 1386 (4547) | 1446 (4744) (1.56%) | 1386 (4547) | 1386 (4547) |
| 21  | (2)  | 1386 (4547) | 1446 (4744) (2.66%) | 1386 (4547) | 1386 (4547) |

Slope 800(2625) NE end 0.7% down to NE/SE end level. RWY WID 30 RWS WID 90

**SUPPLEMENTARY TAKEOFF DISTANCES**

RWY21- 1145(3757)(1.6) 1269(4163)(1.9) 1355(4445)(2.2) 1418(4652)(2.5)

**BRISBANE**

| RWY | (CN) | TORA         | TODA                | ASDA         | LDA          |
|-----|------|--------------|---------------------|--------------|--------------|
| 01L | (4)  | 3300 (10827) | 3360 (11023) (1.6%) | 3300 (10827) | 3300 (10827) |

RESA dimensions 240M X 120M commences from RWS end.

|     |     |              |                      |              |              |
|-----|-----|--------------|----------------------|--------------|--------------|
| 19R | (4) | 3300 (10827) | 3360 (11023) (1.54%) | 3300 (10827) | 3300 (10827) |
|-----|-----|--------------|----------------------|--------------|--------------|

RESA dimensions 240M X 120M commences from RWS end.

Slope 0.2% up from 600M both ends for 400M. Centre level. RWY WID 60 RWS WID 300

Graded 150

|     |     |              |                     |              |              |
|-----|-----|--------------|---------------------|--------------|--------------|
| 01R | (4) | 3500 (11483) | 3620 (11876) (1.2%) | 3560 (11680) | 3500 (11483) |
|-----|-----|--------------|---------------------|--------------|--------------|

RESA dimensions 90M X 90M commences from SWY end.

RWY 01R DTHR 60M (197FT).

|     |     |              |                      |              |              |
|-----|-----|--------------|----------------------|--------------|--------------|
| 19L | (4) | 3560 (11680) | 3620 (11876) (1.49%) | 3560 (11680) | 3560 (11680) |
|-----|-----|--------------|----------------------|--------------|--------------|

RESA dimensions 90M X 90M commences from RWY end.

Slope Level. RWY WID 45 RWS WID 300 Graded 150

**TAXIWAY INTERSECTION DECLARED DISTANCES**

RWY01L- TKOF from TWY T10; RWY remaining 2211(7254) reduce all DIST by 1089(3573)  
 RWY01L- TKOF from TWY T12; RWY remaining 2662(8733) reduce all DIST by 638(2093)  
 RWY01L- TKOF from TWY T13; RWY remaining 3252(10669) reduce all DIST by 48(157)  
 RWY19R- TKOF from TWY T2; RWY remaining 3179(10430) reduce all DIST by 121(397)  
 RWY19R- TKOF from TWY T3; RWY remaining 2662(8733) reduce all DIST by 638(2093)  
 RWY19R- TKOF from TWY T5; RWY remaining 2211(7254) reduce all DIST by 1089(3573)  
 RWY01R- TKOF from TWY A3; RWY remaining 809(2654) reduce all DIST by 2691(8829)  
 RWY01R- TKOF from TWY A4; RWY remaining 1279(4196) reduce all DIST by 2221(7287)  
 RWY01R- TKOF from TWY A7; RWY remaining 2689(8822) reduce all DIST by 811(2661)  
 RWY01R- TKOF from TWY H3; RWY remaining 801(2628) reduce all DIST by 2699(8855)  
 RWY01R- TKOF from TWY M; RWY remaining 2685(8809) reduce all DIST by 815(2674)  
 RWY19L- TKOF from TWY A3; RWY remaining 2781(9124) reduce all DIST by 779(2556)  
 RWY19L- TKOF from TWY A4; RWY remaining 2311(7582) reduce all DIST by 1249(4098)  
 RWY19L- TKOF from TWY H3; RWY remaining 2774(9101) reduce all DIST by 786(2579)  
 RWY19L- TKOF from TWY H4; RWY remaining 2304(7559) reduce all DIST by 1256(4121)

BRISBANE WEST WELLCAMP

| RWY                                                                                                                              | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 12                                                                                                                               | (4)  | 2870 (9416) | 2930 (9613) (3.12%) | 2870 (9416) | 2870 (9416) |
| RESA dimensions 92M X 90M commences from RWS end.                                                                                |      |             |                     |             |             |
| All grooved asphalt except RWY 12 THR and turning node, which is grooved concrete (200M (656))                                   |      |             |                     |             |             |
| 30                                                                                                                               | (4)  | 2870 (9416) | 2930 (9613) (1.92%) | 2870 (9416) | 2870 (9416) |
| RESA dimensions 92M X 90M commences from RWS end.                                                                                |      |             |                     |             |             |
| Slope NW end 0.5% up to SE for 700M, then 0.9% up to SE for 1350, then 0.8% up to SE for 820M. RWY WID 45 RWS WID 300 Graded 150 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY12- 931(3054)(2.2) 1718(5636)(2.5)  
RWY30- 2747(9012)(1.6) 2807(9209)(1.9)

TAXIWAY INTERSECTION DECLARED DISTANCES

RWY12- TKOF from TWY G; RWY remaining 1732(5682) reduce all DIST by 1138(3734)  
RWY30- TKOF from TWY K; RWY remaining 2412(7913) reduce all DIST by 458(1503)

BRISBANE/ARCHERFIELD

| RWY                                                                                                                                                 | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 04L                                                                                                                                                 | (2)  | 1245 (4085) | 1305 (4281) (3.29%) | 1245 (4085) | 1245 (4085) |
| 22R                                                                                                                                                 | (2)  | 1245 (4085) | 1305 (4281) (3.45%) | 1245 (4085) | 955 (3133)  |
| 1. RWY 22R DTHR 290M.                                                                                                                               |      |             |                     |             |             |
| 2. Caution: SW end RWY 22R unlit OBST bank 1FT ABV and 0.6M SE of RWS CL has not been taken into account in the calculation of TODA GRAD and STODA. |      |             |                     |             |             |
| Slope 0.25% down to NE. RWY WID 30 RWS WID 90                                                                                                       |      |             |                     |             |             |
| 04R                                                                                                                                                 | (2)  | 1100 (3609) | 1160 (3806) (3.6%)  | 1100 (3609) | 1100 (3609) |
| 22L                                                                                                                                                 | (2)  | 1100 (3609) | 1160 (3806) (2.7%)  | 1100 (3609) | 1100 (3609) |
| Slope 0.3% down to NE. RWY WID 30 RWS WID 90                                                                                                        |      |             |                     |             |             |
| 10L                                                                                                                                                 | (3)  | 1556 (5105) | 1637 (5371) (5.1%)  | 1556 (5105) | 1406 (4613) |
| RESA dimensions 90M X 60M commences from CWY end.                                                                                                   |      |             |                     |             |             |
| 1. RWY 10L DTHR 150M.                                                                                                                               |      |             |                     |             |             |
| 2. TKOF run commences at the starter extension 150M west of RWY 10L THR. From RWY 10L THR TORA is 1406M.                                            |      |             |                     |             |             |
| 28R                                                                                                                                                 | (3)  | 1577 (5174) | 1727 (5666) (3.73%) | 1577 (5174) | 1350 (4429) |
| RESA dimensions 90M X 60M commences from CWY end.                                                                                                   |      |             |                     |             |             |
| 1. RWY 28R DTHR 227M.                                                                                                                               |      |             |                     |             |             |
| 2. TKOF run commences at starter extension 227M east of RWY 28R THR. From RWY 28R THR TORA is 1350M.                                                |      |             |                     |             |             |
| Slope 0.5% down to W. RWY WID 30 RWS WID 150                                                                                                        |      |             |                     |             |             |
| 10R                                                                                                                                                 | (2)  | 1100 (3609) | 1160 (3806) (3.86%) | 1100 (3609) | 1100 (3609) |
| 28L                                                                                                                                                 | (2)  | 1100 (3609) | 1160 (3806) (3.68%) | 1100 (3609) | 1100 (3609) |
| Slope 0.5% down to W. RWY WID 30 RWS WID 90                                                                                                         |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY04L- 1087(3566)(2.2) 1215(3986)(2.5)  
RWY22R- 818(2684)(2.5) 1266(4153)(3.3)  
RWY04R- 940(3084)(1.9) 1002(3287)(2.2) 1048(3438)(2.5) 1136(3727)(3.3)  
RWY22L- 1010(3314)(2.5)  
RWY10L- 937(3074)(1.9) 1118(3668)(2.2) 1247(4091)(2.5) 1459(4787)(3.3) 1631(5351)(5.0)  
RWY28R- 990(3248)(1.6) 1175(3855)(1.9) 1317(4321)(2.2) 1431(4695)(2.5) 1646(5400)(3.3)  
RWY10R- 1069(3507)(3.3)  
RWY28L- 871(2858)(2.2) 964(3163)(2.5) 1117(3665)(3.3)



**TAXIWAY INTERSECTION DECLARED DISTANCES**

RWY10L- TKOF from TWY B6; RWY remaining 1405(4610) reduce all DIST by 151(495)  
 RWY28R- TKOF from CHECKRWY remaining 1487(4879) reduce all DIST by 90(295)  
 POINT Z;  
 RWY28R- TKOF from TWY A1; RWY remaining 1553(5095) reduce all DIST by 24(79)  
 RWY28R- TKOF from TWY A2; RWY remaining 1328(4357) reduce all DIST by 249(817)  
 RWY28R- TKOF from TWY B2; RWY remaining 1350(4429) reduce all DIST by 227(745)

**BROKEN HILL**

| RWY | (CN) | TORA                                                                        | TODA                | ASDA        | LDA         |
|-----|------|-----------------------------------------------------------------------------|---------------------|-------------|-------------|
| 05  | (3)  | 2512 (8241)                                                                 | 2572 (8438) (2.47%) | 2512 (8241) | 2512 (8241) |
|     |      | RESA dimensions 90M X 60M commences from RWS end.                           |                     |             |             |
| 23  | (3)  | 2512 (8241)                                                                 | 2572 (8438) (3.03%) | 2512 (8241) | 2512 (8241) |
|     |      | RESA dimensions 90M X 60M commences from RWS end.                           |                     |             |             |
|     |      | Slope 0.62% down to SW. RWY WID 30 RWS WID 150                              |                     |             |             |
| 14  | (2)  | 1000 (3281)                                                                 | 1060 (3478) (1.64%) | 1000 (3281) | 1000 (3281) |
| 32  | (2)  | 1000 (3281)                                                                 | 1060 (3478) (2.78%) | 1000 (3281) | 1000 (3281) |
|     |      | Slope from ends 0.32% down to point 670M from NW end. RWY WID 30 RWS WID 90 |                     |             |             |

**SUPPLEMENTARY TAKEOFF DISTANCES**

RWY05- 2197(7208)(1.6) 2424(7953)(1.9) 2538(8327)(2.2)  
 RWY23- 2316(7598)(1.6) 2406(7894)(1.9) 2469(8100)(2.2) 2516(8254)(2.5)  
 RWY14- 1021(3350)(1.6)  
 RWY32- 854(2802)(1.9) 945(3100)(2.2) 1013(3323)(2.5)

**BROOME/INTL**

| RWY | (CN) | TORA                                                                              | TODA                | ASDA        | LDA         |
|-----|------|-----------------------------------------------------------------------------------|---------------------|-------------|-------------|
| 10  | (4)  | 2404 (7887)                                                                       | 2464 (8084) (3.24%) | 2404 (7887) | 2270 (7447) |
|     |      | RESA dimensions 90M X 90M commences from RWS end.                                 |                     |             |             |
| 28  | (4)  | 2324 (7625)                                                                       | 2384 (7821) (1.94%) | 2324 (7625) | 2204 (7231) |
|     |      | RESA dimensions 90M X 90M commences from RWS end.                                 |                     |             |             |
|     |      | APCH GRAD RWY 10 and 28 based on 150M inner edge.                                 |                     |             |             |
|     |      | RWY 28 DTHR 66M.                                                                  |                     |             |             |
|     |      | Slope W 737M level, E 1,721M 0.5% down to E. No shoulders. RWY WID 45 RWS WID 150 |                     |             |             |

**SUPPLEMENTARY TAKEOFF DISTANCES**

RWY10- 2235(7333)(1.6) 2299(7543)(1.9) 2345(7693)(2.2) 2386(7828)(2.5)  
 RWY28- 2349(7707)(1.6) 2381(7812)(1.9)

**TAXIWAY INTERSECTION DECLARED DISTANCES**

RWY10- TKOF from TWY E; RWY remaining 1188(3898) reduce all DIST by 1216(3989)  
 RWY10- TKOF from TWY F1; RWY remaining 1467(4813) reduce all DIST by 937(3074)  
 RWY10- TKOF from TWY F2; RWY remaining 1574(5164) reduce all DIST by 830(2723)  
 RWY10- TKOF from TWY F3; RWY remaining 2261(7418) reduce all DIST by 143(469)  
 RWY10- TKOF from TWY G; RWY remaining 784(2572) reduce all DIST by 1620(5315)  
 RWY28- TKOF from TWY A; RWY remaining 1889(6197) reduce all DIST by 435(1427)  
 RWY28- TKOF from TWY B; RWY remaining 1982(6503) reduce all DIST by 342(1122)  
 RWY28- TKOF from TWY C; RWY remaining 1887(6191) reduce all DIST by 437(1434)  
 RWY28- TKOF from TWY E; RWY remaining 1096(3596) reduce all DIST by 1228(4029)  
 RWY28- TKOF from TWY F1; RWY remaining 813(2667) reduce all DIST by 1511(4957)  
 RWY28- TKOF from TWY G; RWY remaining 1495(4905) reduce all DIST by 829(2720)

BUNBURY

| RWY                                                    | (CN) | TORA        | TODA                | ASDA        | LDA         |
|--------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 07                                                     | (2)  | 1015 (3330) | 1075 (3527) (3.76%) | 1159 (3802) | 1015 (3330) |
| RESA dimensions 60M X 46M commences from RWY end.      |      |             |                     |             |             |
| 25                                                     | (2)  | 1219 (3999) | 1279 (4196) (5%)    | 1219 (3999) | 1015 (3330) |
| RESA dimensions 60M X 46M commences from RWY end.      |      |             |                     |             |             |
| 1. APCH surface infringed by multiple objects (trees). |      |             |                     |             |             |
| 2. RWY 25 DTHR 204M (transient OBST on highway).       |      |             |                     |             |             |
| Slope 0.15% down to SW. RWY WID 18 RWS WID 90          |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                |                |                |                 |
|--------|----------------|----------------|----------------|-----------------|
| RWY07- | 809(2654)(1.9) | 894(2933)(2.2) | 958(3143)(2.5) | 1045(3428)(3.3) |
| RWY25- | 919(3015)(3.3) |                |                |                 |

BUNDABERG

| RWY                                               | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 07                                                | (2)  | 1128 (3701) | 1188 (3898) (3.23%) | 1128 (3701) | 1128 (3701) |
| RESA dimensions 60M X 60M commences from RWS end. |      |             |                     |             |             |
| 25                                                | (2)  | 1128 (3701) | 1188 (3898) (3.63%) | 1128 (3701) | 1128 (3701) |
| RESA dimensions 60M X 60M commences from RWS end. |      |             |                     |             |             |
| Slope 0.2% down to NE. RWY WID 30 RWS WID 90      |      |             |                     |             |             |
| 14                                                | (3)  | 2000 (6562) | 2090 (6857) (1.88%) | 2000 (6562) | 2000 (6562) |
| RESA dimensions 90M X 60M commences from RWS end. |      |             |                     |             |             |
| 32                                                | (3)  | 2000 (6562) | 2090 (6857) (3.72%) | 2000 (6562) | 2000 (6562) |
| RESA dimensions 90M X 60M commences from RWS end. |      |             |                     |             |             |
| Slope Level. RWY WID 30 RWS WID 150 Graded 150    |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                                 |
|--------|-----------------|-----------------|-----------------|---------------------------------|
| RWY07- | 860(2821)(1.6)  | 985(3232)(1.9)  | 1047(3435)(2.2) | 1097(3599)(2.5)                 |
| RWY25- | 830(2723)(1.9)  | 984(3228)(2.2)  | 1075(3527)(2.5) | 1166(3825)(3.3)                 |
| RWY14- | 2002(6568)(1.6) |                 |                 |                                 |
| RWY32- | 1747(5732)(1.6) | 1879(6165)(1.9) | 1987(6519)(2.2) | 2050(6726)(2.5) 2080(6824)(3.3) |

TAXIWAY INTERSECTION DECLARED DISTANCES

|        |                  |                          |                              |
|--------|------------------|--------------------------|------------------------------|
| RWY14- | TKOF from TWY B; | RWY remaining 1706(5597) | reduce all DIST by 294(965)  |
| RWY14- | TKOF from TWY C; | RWY remaining 1569(5148) | reduce all DIST by 431(1414) |
| RWY14- | TKOF from TWY D; | RWY remaining 1285(4216) | reduce all DIST by 715(2346) |

BURKETOWN

| RWY                                                                                                                          | (CN) | TORA        | TODA                | ASDA        | LDA         |
|------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 03                                                                                                                           | (3)  | 1372 (4501) | 1432 (4698) (2.99%) | 1372 (4501) | 1372 (4501) |
| RESA dimensions 60M X 60M commences from RWY end.                                                                            |      |             |                     |             |             |
| 1. Unlit OBST fence 7FT ABV and 15M NW of RWS end has not been taken into account in the calculation of TODA GRAD or STODA.  |      |             |                     |             |             |
| 2. 3.33% OBST CLR APCH SFC LDG RWY 03 terminates at THR, not RWS end.                                                        |      |             |                     |             |             |
| 21                                                                                                                           | (3)  | 1372 (4501) | 1432 (4698) (4.94%) | 1372 (4501) | 1372 (4501) |
| RESA dimensions 60M X 60M commences from RWY end.                                                                            |      |             |                     |             |             |
| 1. Unlit OBST fence 4FT ABV and 0.2M SW of RWS end has not been taken into account in the calculation of TODA GRAD or STODA. |      |             |                     |             |             |
| 2. 3.33% OBST CLR APCH SFC LDG RWY 21 terminates at THR, not RWS end.                                                        |      |             |                     |             |             |
| Slope 0.1% down to NE. RWY WID 30 RWS WID 150 Graded 90                                                                      |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                                 |
|--------|-----------------|-----------------|-----------------|---------------------------------|
| RWY03- | 947(3107)(1.6)  | 1116(3661)(1.9) | 1233(4045)(2.2) | 1320(4331)(2.5)                 |
| RWY21- | 1102(3615)(1.6) | 1180(3871)(1.9) | 1237(4058)(2.2) | 1279(4196)(2.5) 1357(4452)(3.3) |

**BUSSELTON**

| RWY                                                | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 03                                                 | (4)  | 2460 (8071) | 2520 (8268) (1.9%)  | 2460 (8071) | 2460 (8071) |
| RESA dimensions 90M X 240M commences from RWY end. |      |             |                     |             |             |
| 21                                                 | (4)  | 2460 (8071) | 2520 (8268) (2.64%) | 2460 (8071) | 2460 (8071) |
| RESA dimensions 90M X 240M commences from RWY end. |      |             |                     |             |             |
| Slope Level. RWY WID 45 RWS WID 280 Graded 150     |      |             |                     |             |             |

**SUPPLEMENTARY TAKEOFF DISTANCES**

|        |                 |                 |                 |                 |  |
|--------|-----------------|-----------------|-----------------|-----------------|--|
| RWY03- | 2459(8067)(1.6) | 2519(8264)(1.9) |                 |                 |  |
| RWY21- | 2280(7480)(1.6) | 2375(7792)(1.9) | 2445(8022)(2.2) | 2498(8195)(2.5) |  |

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CAIRNS/CAIRNS INTL

| RWY                                                                                                                                                                                                                                                | (CN) | TORA         | TODA                 | ASDA         | LDA          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|----------------------|--------------|--------------|
| 15                                                                                                                                                                                                                                                 | (4)  | 3156 (10354) | 3256 (10682) (7.5%)  | 3156 (10354) | 3156 (10354) |
| RESA dimensions 90M X 90M commences from SWY end.<br>OBST unlit (fence) APRX BRG 150 MAG 3219.9M FM RWY 15 THR 16.75FT AMSL not part of TODA STODA gradients.                                                                                      |      |              |                      |              |              |
| 33                                                                                                                                                                                                                                                 | (4)  | 3196 (10485) | 3256 (10682) (6.54%) | 3196 (10485) | 3156 (10354) |
| RESA dimensions 90M X 90M commences from SWY end.<br>RWS variation - RWY 15 (North end) is 300M, reduced to 180M at 1804M FM THR. RWY 33 (South end) is 180M, increased to 300M at 1352M FM THR.<br>Slope Level. RWY WID 45 RWS WID 300 Graded 150 |      |              |                      |              |              |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                  |                 |                  |                  |                  |
|--------|------------------|-----------------|------------------|------------------|------------------|
| RWY15- | 2853(9360)(1.6)  | 2994(9823)(1.9) | 3057(10029)(2.2) | 3093(10148)(2.5) | 3151(10338)(3.3) |
|        | 3216(10551)(5.0) |                 |                  |                  |                  |
| RWY33- | 2593(8507)(1.6)  | 2876(9436)(1.9) | 3083(10115)(2.2) | 3163(10377)(2.5) | 3211(10535)(3.3) |
|        | 3250(10663)(5.0) |                 |                  |                  |                  |

TAXIWAY INTERSECTION DECLARED DISTANCES

|        |                   |                          |                               |
|--------|-------------------|--------------------------|-------------------------------|
| RWY15- | TKOF from TWY A2; | RWY remaining 1764(5787) | reduce all DIST by 1392(4567) |
| RWY15- | TKOF from TWY A3; | RWY remaining 1492(4895) | reduce all DIST by 1664(5459) |
| RWY15- | TKOF from TWY B2; | RWY remaining 2545(8350) | reduce all DIST by 611(2005)  |
| RWY15- | TKOF from TWY B3; | RWY remaining 1771(5810) | reduce all DIST by 1385(4544) |
| RWY33- | TKOF from TWY A3; | RWY remaining 1685(5528) | reduce all DIST by 1511(4957) |
| RWY33- | TKOF from TWY A4; | RWY remaining 2181(7155) | reduce all DIST by 1015(3330) |
| RWY33- | TKOF from TWY B4; | RWY remaining 2181(7155) | reduce all DIST by 1015(3330) |
| RWY33- | TKOF from TWY B5; | RWY remaining 2584(8478) | reduce all DIST by 612(2008)  |

CAMDEN

| RWY                                                               | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 06                                                                | (2)  | 1464 (4803) | 1524 (5000) (4.83%) | 1464 (4803) | 1464 (4803) |
| 24                                                                | (2)  | 1464 (4803) | 1524 (5000) (4.96%) | 1464 (4803) | 1157 (3796) |
| RWY 24 DTHR 307M.<br>Slope 0.2% down to SW. RWY WID 30 RWS WID 90 |      |             |                     |             |             |
| 10                                                                | (1)  | 723 (2372)  | 753 (2470) (5.93%)  | 723 (2372)  | 723 (2372)  |
| 28                                                                | (1)  | 723 (2372)  | 753 (2470) (8.24%)  | 723 (2372)  | 723 (2372)  |
| Slope 0.2% down to NW. RWY WID 30 RWS WID 90                      |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |  |  |
|--------|-----------------|-----------------|-----------------|--|--|
| RWY06- | 1068(3504)(3.3) |                 |                 |  |  |
| RWY24- | 1037(3402)(2.2) | 1142(3747)(2.5) | 1329(4360)(3.3) |  |  |

CAMOOWEAL

| RWY                                                                                     | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-----------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 13                                                                                      | (1)  | 1238 (4062) | 1268 (4160) (4.66%) | 1238 (4062) | 1238 (4062) |
| RESA dimensions 60M X 60M commences from RWY end.                                       |      |             |                     |             |             |
| 31                                                                                      | (1)  | 1238 (4062) | 1268 (4160) (2.2%)  | 1238 (4062) | 1238 (4062) |
| RESA dimensions 60M X 60M commences from RWY end.<br>Slope level. RWY WID 18 RWS WID 60 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| RWY13- | 1168(3832)(1.6) | 1219(3999)(1.9) | 1230(4035)(2.2) | 1238(4062)(2.5) | 1254(4114)(3.3) |
| RWY31- | 1146(3760)(1.6) | 1216(3989)(1.9) |                 |                 |                 |

CANBERRA

| RWY                                                                                                                                                                                       | (CN) | TORA         | TODA                 | ASDA         | LDA         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|----------------------|--------------|-------------|
| 12                                                                                                                                                                                        | (2)  | 1679 (5508)  | 1739 (5705) (4.92%)  | 1679 (5508)  | 1316 (4318) |
| RESA dimensions 60M X 90M commences from RWS end.                                                                                                                                         |      |              |                      |              |             |
| 1. RWY 12 DTHR 363M.                                                                                                                                                                      |      |              |                      |              |             |
| 2. OBST fence 10.5FT ABV and 19M SE of RWY strip end, and transient OBST 16.2FT ABV and 10M SE of RWY strip end are not taken into account in the calculation of TODA gradient and STODA. |      |              |                      |              |             |
| 30                                                                                                                                                                                        | (2)  | 1679 (5508)  | 1739 (5705) (4.12%)  | 1679 (5508)  | 1614 (5295) |
| RESA dimensions 60M X 60M commences from RWY end.                                                                                                                                         |      |              |                      |              |             |
| 1. RWY 30 THR location determined by 5% APCH GRAD.                                                                                                                                        |      |              |                      |              |             |
| 2. RWY 12/30 WID 30M Code 2C.                                                                                                                                                             |      |              |                      |              |             |
| 3. RWY 30 DTHR 65M.                                                                                                                                                                       |      |              |                      |              |             |
| Slope 0.7% down to NW. RWY WID 30 RWS WID 90                                                                                                                                              |      |              |                      |              |             |
| 17                                                                                                                                                                                        | (4)  | 2983 (9787)  | 3073 (10082) (2.46%) | 2983 (9787)  | 2983 (9787) |
| RESA dimensions 90M X 240M commences from RWS end.                                                                                                                                        |      |              |                      |              |             |
| 1. RWY 17 THR location determined by 5.33% approach GRAD.                                                                                                                                 |      |              |                      |              |             |
| 2. Critical OBST, terrain 2,890FT AMSL, located 1,016M R of RCL and 5,820M before THR.                                                                                                    |      |              |                      |              |             |
| 3. CAUTION: Fence 10FT ABV and 50M S of RWS end and transient OBST up to 17.7FT ABV and 62M S of RWS end are not taken into account in calculation of TODA GRAD and STODA.                |      |              |                      |              |             |
| 4. RWY 17 end 300M South TWY N.                                                                                                                                                           |      |              |                      |              |             |
| 35                                                                                                                                                                                        | (4)  | 3283 (10771) | 3343 (10968) (4.53%) | 3283 (10771) | 2683 (8802) |
| RESA dimensions 90M X 240M commences from RWS end.                                                                                                                                        |      |              |                      |              |             |
| 1. RWY 35 DTHR 300M (from RWY 17 end).                                                                                                                                                    |      |              |                      |              |             |
| 2. RWY 35 THR location determined by 3.3% APCH GRAD.                                                                                                                                      |      |              |                      |              |             |
| 3. Critical OBST, terrain 2690FT, located 1300M R of RCL and 9800M before THR.                                                                                                            |      |              |                      |              |             |
| 4. RWY 35 TORA starts at TWY P.                                                                                                                                                           |      |              |                      |              |             |
| Slope 0.1% down to S. RWY WID 45 RWS WID 300 Graded 150                                                                                                                                   |      |              |                      |              |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|
| RWY30- | 986(3235)(2.2)  | 1279(4196)(2.5) | 1663(5456)(3.3) |
| RWY17- | 1771(5810)(1.9) | 3001(9846)(2.2) |                 |
| RWY35- | 1109(3638)(3.3) |                 |                 |

TAXIWAY INTERSECTION DECLARED DISTANCES

|        |                  |                          |                               |
|--------|------------------|--------------------------|-------------------------------|
| RWY17- | TKOF from TWY D; | RWY remaining 1728(5669) | reduce all DIST by 1255(4117) |
| RWY17- | TKOF from TWY F; | RWY remaining 2420(7940) | reduce all DIST by 563(1847)  |
| RWY35- | TKOF from TWY C; | RWY remaining 1955(6414) | reduce all DIST by 1328(4357) |
| RWY35- | TKOF from TWY G; | RWY remaining 1810(5938) | reduce all DIST by 1473(4833) |
| RWY35- | TKOF from TWY M; | RWY remaining 2116(6942) | reduce all DIST by 1167(3829) |
| RWY35- | TKOF from TWY N; | RWY remaining 2683(8802) | reduce all DIST by 600(1968)  |

CAPE PRESTON

| RWY                                                     | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 08                                                      | (3)  | 2000 (6562) | 2060 (6758) (1.51%) | 2000 (6562) | 2000 (6562) |
| RESA dimensions 90M X 60M commences from RWS end.       |      |             |                     |             |             |
| 26                                                      | (3)  | 2000 (6562) | 2060 (6758) (1.68%) | 2000 (6562) | 2000 (6562) |
| RESA dimensions 90M X 60M commences from RWS end.       |      |             |                     |             |             |
| RWY 08/26 150M APCH SFC baseline.                       |      |             |                     |             |             |
| Slope 0.02% down to W. RWY WID 30 RWS WID 150 Graded 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |
|--------|-----------------|
| RWY26- | 2035(6676)(1.6) |
|--------|-----------------|

**CARNARVON**

| RWY                                                                                 | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 04                                                                                  | (3)  | 1619 (5312) | 1679 (5508) (2.14%) | 1619 (5312) | 1619 (5312) |
| RESA dimensions 150M X 90M commences from RWY end.                                  |      |             |                     |             |             |
| RWY 04 has non-standard approach surface - inner edge of APCH SFC 40M from RWY end. |      |             |                     |             |             |
| 22                                                                                  | (3)  | 1619 (5312) | 1679 (5508) (3.85%) | 1619 (5312) | 1619 (5312) |
| RESA dimensions 150M X 90M commences from RWY end.                                  |      |             |                     |             |             |
| RWY 22 OBST fence 7FT AGL, 85M left of CL. TKOF GRAD to levee bank 6.8%.            |      |             |                     |             |             |
| Slope 0.1% down to SW. RWY WID 30 RWS WID 150                                       |      |             |                     |             |             |
| 18                                                                                  | (2)  | 1140 (3740) | 1200 (3937) (2%)    | 1140 (3740) | 1140 (3740) |
| 36                                                                                  | (2)  | 1140 (3740) | 1200 (3937) (4.14%) | 1140 (3740) | 1140 (3740) |
| OBST fence 4FT AGL 28M N of RWS end. TKOF GRAD 4.7%.                                |      |             |                     |             |             |
| Slope 0.1% down to S. RWY WID 30 RWS WID 90                                         |      |             |                     |             |             |

**SUPPLEMENTARY TAKEOFF DISTANCES**

RWY04- 1344(4409)(1.6) 1556(5105)(1.9)  
 RWY22- 1176(3858)(1.6) 1308(4291)(1.9) 1406(4613)(2.2) 1481(4859)(2.5) 1617(5305)(3.3)  
 RWY18- 1072(3517)(1.6) 1192(3911)(1.9)  
 RWY36- 885(2904)(1.9) 983(3225)(2.2) 1057(3468)(2.5) 1185(3888)(3.3)

**CAROSUE DAM**

| RWY                                                                                                                          | (CN) | TORA        | TODA                | ASDA        | LDA         |
|------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 06                                                                                                                           | (3)  | 2000 (6562) | 2060 (6758) (1.99%) | 2000 (6562) | 2000 (6562) |
| RESA dimensions 90M x 60M commences from RWS end.                                                                            |      |             |                     |             |             |
| 24                                                                                                                           | (3)  | 2000 (6562) | 2060 (6758) (2.07%) | 2000 (6562) | 2000 (6562) |
| RESA dimensions 90M x 60M commences from RWS end.                                                                            |      |             |                     |             |             |
| RWY 06/24 APCH inner edge length 150M.                                                                                       |      |             |                     |             |             |
| Slope rises at 0.8% FM 06 THR and rises at 0.55% FM 24 THR. Highest point in centre of RWY. RWY WID 30 RWS WID 150 Graded 90 |      |             |                     |             |             |

**SUPPLEMENTARY TAKEOFF DISTANCES**

RWY06- 2008(6588)(1.6) 2050(6726)(1.9)  
 RWY24- 1984(6509)(1.6) 2036(6680)(1.9)

**CARRAPATEENA**

| RWY                                                                                                           | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 01                                                                                                            | (3)  | 1600 (5249) | 1660 (5446) (1.2%)  | 1600 (5249) | 1600 (5249) |
| 19                                                                                                            | (3)  | 1600 (5249) | 1660 (5446) (4.43%) | 1600 (5249) | 1600 (5249) |
| OBST (fence) 82M W and 0.5M ABV CWY TKOF RWY 19 not taken into account in calculation of TODA GRAD and STODA. |      |             |                     |             |             |
| Slope Level. RWY WID 30 RWS WID 150 Graded 90                                                                 |      |             |                     |             |             |

**SUPPLEMENTARY TAKEOFF DISTANCES**

RWY19- 1560(5118)(1.6) 1588(5210)(1.9) 1608(5276)(2.2) 1624(5328)(2.5) 1651(5417)(3.3)

**CEDUNA**

| RWY                                                     | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 11                                                      | (3)  | 1740 (5709) | 1800 (5905) (1.89%) | 1740 (5709) | 1740 (5709) |
| 29                                                      | (3)  | 1740 (5709) | 1800 (5905) (1.54%) | 1740 (5709) | 1740 (5709) |
| Slope 0.3% down to NW. RWY WID 30 RWS WID 150 Graded 90 |      |             |                     |             |             |
| 17                                                      | (2)  | 1014 (3327) | 1074 (3524) (1.6%)  | 1014 (3327) | 1014 (3327) |
| 35                                                      | (2)  | 1014 (3327) | 1074 (3524) (3%)    | 1014 (3327) | 1014 (3327) |
| Slope 0.1% down to S. RWY WID 30 RWS WID 90             |      |             |                     |             |             |

**SUPPLEMENTARY TAKEOFF DISTANCES**

RWY11- 1455(4774)(1.6)  
 RWY35- 878(2881)(1.6) 962(3156)(1.9) 1009(3310)(2.2) 1038(3405)(2.5)

CENTURY MINE

| RWY                                                                                                         | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 14                                                                                                          | (3)  | 1750 (5741) | 1810 (5938) (3.7%)  | 1750 (5741) | 1750 (5741) |
| RESA dimensions 90M X 60M commences from RWS end.                                                           |      |             |                     |             |             |
| APCH GRAD to THR 14 at NW end is 2.25% for 150M APCH inner edge WID with 15% diversion splays.              |      |             |                     |             |             |
| 32                                                                                                          | (3)  | 1750 (5741) | 1810 (5938) (2.28%) | 1750 (5741) | 1410 (4626) |
| RESA dimensions 90M X 60M commences from RWS end.                                                           |      |             |                     |             |             |
| 1. RWY 32 DTHR 340M.                                                                                        |      |             |                     |             |             |
| 2. APCH GRAD to 340M DISP THR 32 at SE end is 3.28% for 150M APCH inner edge WID with 15% diversion splays. |      |             |                     |             |             |
| Slope Level. RWY WID 30 RWS WID 150 Graded 90                                                               |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY14- 1479(4852)(3.3)  
RWY32- 1708(5604)(1.6) 1789(5869)(1.9) 1807(5928)(2.2)

CESSNOCK

| RWY                                               | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 17                                                | (2)  | 1097 (3599) | 1157 (3796) (3.99%) | 1097 (3599) | 1097 (3599) |
| RESA dimensions 60M X 90M commences from RWY end. |      |             |                     |             |             |
| 35                                                | (2)  | 1097 (3599) | 1157 (3796) (5.6%)  | 1097 (3599) | 1097 (3599) |
| RESA dimensions 50M X 90M commences from RWY end. |      |             |                     |             |             |
| Slope Level 0.4%. RWY WID 23 RWS WID 90 Graded 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY17- 804(2638)(2.5) 1059(3474)(3.3)  
RWY35- 804(2638)(1.9) 899(2949)(2.2) 950(3117)(2.5) 1043(3422)(3.3) 1144(3753)(5.0)

CHARLEVILLE

| RWY                                                                                                                                             | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 12                                                                                                                                              | (3)  | 1524 (5000) | 1676 (5499) (3.38%) | 1524 (5000) | 1524 (5000) |
| 30                                                                                                                                              | (3)  | 1524 (5000) | 1676 (5499) (3.49%) | 1524 (5000) | 1524 (5000) |
| CAUTION: NW end RWY 30 unlit OBST fence 8FT ABV and 98M NE of RWS CL has not been taken into account in the calculation of TODA GRAD and STODA. |      |             |                     |             |             |
| Slope 0.3% down to NW. RWY WID 30 RWS WID 150 Graded 90                                                                                         |      |             |                     |             |             |
| 18                                                                                                                                              | (2)  | 1067 (3501) | 1127 (3697) (2.56%) | 1067 (3501) | 1067 (3501) |
| 36                                                                                                                                              | (2)  | 1067 (3501) | 1127 (3697) (1.7%)  | 1067 (3501) | 1067 (3501) |
| Slope Level. RWY WID 23 RWS WID 90                                                                                                              |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY12- 1194(3917)(1.6) 1352(4436)(1.9) 1460(4790)(2.2) 1537(5043)(2.5) 1667(5469)(3.3)  
RWY30- 1386(4547)(1.6) 1522(4993)(1.9) 1577(5174)(2.2) 1608(5276)(2.5) 1666(5466)(3.3)  
RWY18- 857(2812)(1.6) 970(3182)(1.9) 1052(3451)(2.2) 1116(3661)(2.5)  
RWY36- 1076(3530)(1.6)



CHARTERS TOWERS

| RWY                                                                             | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 01                                                                              | (1)  | 1005 (3297) | 1065 (3494) (5.83%) | 1005 (3297) | 1005 (3297) |
| RESA dimensions 90M X 60M commences from RWY end.                               |      |             |                     |             |             |
| 19                                                                              | (1)  | 1005 (3297) | 1065 (3494) (2.73%) | 1005 (3297) | 1005 (3297) |
| RESA dimensions 90M X 60M commences from RWY end.                               |      |             |                     |             |             |
| RWY 01/19 survey inner edge 60M.                                                |      |             |                     |             |             |
| Slope Level. RWY WID 23 RWS WID 60                                              |      |             |                     |             |             |
| 06                                                                              | (3)  | 1736 (5695) | 1796 (5892) (3.53%) | 1736 (5695) | 1736 (5695) |
| RESA dimensions 90M X 60M commences from RWY end.                               |      |             |                     |             |             |
| 24                                                                              | (3)  | 1736 (5695) | 1796 (5892) (3.29%) | 1736 (5695) | 1736 (5695) |
| RESA dimensions 90M X 60M commences from RWY end.                               |      |             |                     |             |             |
| RWY 06/24 survey inner edge 180M.                                               |      |             |                     |             |             |
| Slope from point 420M FM SW end: 0.56% down to SW; 0.92% down to NE. RWY WID 30 |      |             |                     |             |             |
| RWS WID 90                                                                      |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY01- 829(2720)(1.9) 868(2848)(2.2) 900(2953)(2.5) 964(3163)(3.3)  
RWY19- 885(2904)(2.5)  
RWY06- 1511(4957)(1.6) 1590(5216)(1.9) 1641(5384)(2.2) 1683(5522)(2.5) 1777(5830)(3.3)  
RWY24- 1172(3845)(2.5)

CHILLAGOE

| RWY                                                                                           | (CN) | TORA       | TODA                | ASDA       | LDA        |
|-----------------------------------------------------------------------------------------------|------|------------|---------------------|------------|------------|
| 17                                                                                            | (1)  | 981 (3218) | 1041 (3415) (5.7%)  | 981 (3218) | 981 (3218) |
| Fence 30M S of RWS, 6FT ABV CWY not taken into account in calculation of TODA GRAD and STODA. |      |            |                     |            |            |
| 35                                                                                            | (1)  | 981 (3218) | 1041 (3415) (5.34%) | 981 (3218) | 981 (3218) |
| Slope 0.9% down to N. RWY WID 18 RWS WID 90 Graded 80                                         |      |            |                     |            |            |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY17- 951(3120)(3.3) 1024(3360)(5.0)  
RWY35- 810(2657)(1.9) 850(2789)(2.2) 882(2894)(2.5) 948(3110)(3.3) 984(3228)(5.0)

CHINCHILLA

| RWY                                                                                   | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 03                                                                                    | (1)  | 593 (1946)  | 623 (2044) (3.63%)  | 593 (1946)  | 593 (1946)  |
| RESA dimensions 60M X 60M commences from RWS end.                                     |      |             |                     |             |             |
| 21                                                                                    | (1)  | 593 (1946)  | 623 (2044) (4.87%)  | 593 (1946)  | 593 (1946)  |
| Slope NE end 0.2% down to SW, SW end 0.6% down to NE. RWY WID 18 RWS WID 60 Graded 60 |      |             |                     |             |             |
| 14                                                                                    | (1)  | 1069 (3507) | 1269 (4163) (3.28%) | 1205 (3953) | 1069 (3507) |
| RESA dimensions 60M X 90M commences from RWS end.                                     |      |             |                     |             |             |
| 32                                                                                    | (1)  | 1069 (3507) | 1265 (4150) (3.14%) | 1205 (3953) | 1069 (3507) |
| RESA dimensions 60M X 90M commences from RWS end.                                     |      |             |                     |             |             |
| Slope NW end 0.6% down to SE, SE end 0.2% down to NW. RWY WID 18 RWS WID 90 Graded 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY14- 838(2749)(1.6) 978(3209)(1.9) 1082(3550)(2.2) 1162(3812)(2.5)  
RWY32- 811(2661)(1.6) 970(3182)(1.9) 1083(3553)(2.2) 1167(3829)(2.5)

CHRISTMAS CREEK

| RWY                                                      | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 09                                                       | (4)  | 2500 (8202) | 2560 (8399) (1.99%) | 2500 (8202) | 2500 (8202) |
| RESA dimensions 90M X 90M commences from RWY end.        |      |             |                     |             |             |
| 27                                                       | (4)  | 2500 (8202) | 2560 (8399) (1.71%) | 2500 (8202) | 2500 (8202) |
| RESA dimensions 90M X 90M commences from RWY end.        |      |             |                     |             |             |
| Slope 0.23% down to E. RWY WID 45 RWS WID 300 Graded 150 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |
|--------|-----------------|-----------------|
| RWY09- | 2461(8074)(1.6) | 2539(8330)(1.9) |
| RWY27- | 2476(8123)(1.6) |                 |

CHRISTMAS ISLAND

| RWY                                                                                                           | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 18                                                                                                            | (4)  | 2103 (6900) | 2164 (7100) (1.54%) | 2103 (6900) | 2103 (6900) |
| RESA dimensions 60M X 90M commences from RWY end.                                                             |      |             |                     |             |             |
| 36                                                                                                            | (4)  | 2103 (6900) | 2164 (7100) (3.92%) | 2103 (6900) | 2103 (6900) |
| RESA dimensions 60M X 90M commences from RWY end.                                                             |      |             |                     |             |             |
| APCH SFC based on 150M inner edge.                                                                            |      |             |                     |             |             |
| Slope 464M N end 1.0% down to S; centre 1100M 2% down to S; 539M S end 1.1% down to S. RWY WID 45 RWS WID 150 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|
| RWY36- | 1081(3547)(2.2) | 1890(6201)(2.5) | 2138(7014)(3.3) |
|--------|-----------------|-----------------|-----------------|

CLERMONT

| RWY                                                                          | (CN) | TORA        | TODA                 | ASDA        | LDA         |
|------------------------------------------------------------------------------|------|-------------|----------------------|-------------|-------------|
| 01                                                                           | (2)  | 1068 (3504) | 1128 (3701) (5.03%)  | 1068 (3504) | 1068 (3504) |
| 19                                                                           | (2)  | 1068 (3504) | 1128 (3701) (4.13%)  | 1068 (3504) | 1068 (3504) |
| Slope 0.9% down to N. RWY WID 30 RWS WID 90                                  |      |             |                      |             |             |
| 15                                                                           | (2)  | 1311 (4301) | 1371 (4498) (2.83%)  | 1311 (4301) | 1311 (4301) |
| RESA dimensions 60M X 60M commences from RWY end.                            |      |             |                      |             |             |
| 33                                                                           | (2)  | 1311 (4301) | 1371 (4498) (10.74%) | 1311 (4301) | 1311 (4301) |
| RESA dimensions 60M X 60M commences from RWY end.                            |      |             |                      |             |             |
| 1. RWY 15/33 TKOF SFC survey based on 150M inner edge WID splay to 15,000M.  |      |             |                      |             |             |
| 2. 5FT high grass bank 60M W of THR 15 ignored in RWY 33 TKOF TODA gradient. |      |             |                      |             |             |
| Slope overall 0.5% down to SE. RWY WID 30 RWS WID 90                         |      |             |                      |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| RWY01- | 859(2818)(2.5)  | 986(3235)(3.3)  | 1127(3697)(5.0) |                 |                 |
| RWY19- | 1017(3337)(3.3) |                 |                 |                 |                 |
| RWY15- | 1169(3835)(1.6) | 1239(4065)(1.9) | 1292(4239)(2.2) | 1334(4377)(2.5) |                 |
| RWY33- | 830(2723)(1.6)  | 948(3110)(1.9)  | 1028(3373)(2.2) | 1086(3563)(2.5) | 1183(3881)(3.3) |
|        | 1279(4196)(5.0) |                 |                 |                 |                 |

CLEVE

| RWY                                         | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 08                                          | (2)  | 1350 (4429) | 1410 (4626) (1.67%) | 1350 (4429) | 1350 (4429) |
| 26                                          | (2)  | 1350 (4429) | 1410 (4626) (3.8%)  | 1350 (4429) | 1350 (4429) |
| Slope 0.9% down to E. RWY WID 18 RWS WID 90 |      |             |                     |             |             |
| 18                                          | (1)  | 895 (2936)  | 925 (3035) (1.71%)  | 895 (2936)  | 895 (2936)  |
| 36                                          | (1)  | 895 (2936)  | 925 (3035) (3.87%)  | 895 (2936)  | 895 (2936)  |
| Slope 1.1% down to S. RWY WID 18 RWS WID 60 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|
| RWY08- | 1376(4514)(1.6) |                 |                 |
| RWY26- | 856(2808)(2.2)  | 1004(3294)(2.5) | 1313(4308)(3.3) |
| RWY18- | 898(2946)(1.6)  |                 |                 |

CLONCURRY

| RWY                                                     | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 06                                                      | (1)  | 1157 (3796) | 1217 (3993) (2.2%)  | 1157 (3796) | 1157 (3796) |
| 24                                                      | (1)  | 1157 (3796) | 1217 (3993) (2.15%) | 1157 (3796) | 1157 (3796) |
| Slope Level. RWY WID 18 RWS WID 60                      |      |             |                     |             |             |
| 12                                                      | (3)  | 2000 (6562) | 2060 (6758) (1.7%)  | 2000 (6562) | 2000 (6562) |
| RESA dimensions 60M X 30M commences from RWY end.       |      |             |                     |             |             |
| 30                                                      | (3)  | 2000 (6562) | 2060 (6758) (3.74%) | 2000 (6562) | 2000 (6562) |
| RESA dimensions 60M X 30M commences from RWY end.       |      |             |                     |             |             |
| Slope 0.1% down to NW. RWY WID 30 RWS WID 150 Graded 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| RWY06- | 1107(3632)(1.6) | 1171(3842)(1.9) |                 |                 |                 |
| RWY24- | 1083(3553)(1.6) | 1166(3825)(1.9) |                 |                 |                 |
| RWY12- | 2029(6657)(1.6) |                 |                 |                 |                 |
| RWY30- | 1508(4947)(1.6) | 1806(5925)(1.9) | 1876(6155)(2.2) | 1930(6332)(2.5) | 2025(6644)(3.3) |

COBAR

| RWY                                                     | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 05                                                      | (3)  | 1696 (5564) | 1756 (5761) (7.19%) | 1696 (5564) | 1607 (5272) |
| RESA Dimensions 120M X 30M commences from RWY end.      |      |             |                     |             |             |
| RWY 05 DTHR 89M.                                        |      |             |                     |             |             |
| 23                                                      | (3)  | 1696 (5564) | 1756 (5761) (3.06%) | 1696 (5564) | 1607 (5272) |
| RESA Dimensions 120M X 30M commences from RWY end.      |      |             |                     |             |             |
| RWY 23 DTHR 89M.                                        |      |             |                     |             |             |
| Slope 0.4% down to SW. RWY WID 30 RWS WID 150 Graded 90 |      |             |                     |             |             |
| 17                                                      | (2)  | 899 (2949)  | 959 (3146) (5.13%)  | 899 (2949)  | 899 (2949)  |
| RESA Dimensions 60M X 23M commences from RWY end.       |      |             |                     |             |             |
| 35                                                      | (2)  | 899 (2949)  | 959 (3146) (1.64%)  | 899 (2949)  | 899 (2949)  |
| RESA Dimensions 60M X 23M commences from RWY end.       |      |             |                     |             |             |
| Slope 0.1% down to N. RWY WID 23 RWS WID 90             |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| RWY05- | 1253(4111)(1.6) | 1415(4642)(1.9) | 1493(4898)(2.2) | 1549(5082)(2.5) | 1635(5364)(3.3) |
|        | 1718(5636)(5.0) |                 |                 |                 |                 |
| RWY23- | 1696(5564)(1.6) | 1717(5633)(1.9) | 1731(5679)(2.2) | 1742(5715)(2.5) |                 |
| RWY17- | 802(2631)(2.2)  | 835(2739)(2.5)  | 895(2936)(3.3)  | 956(3136)(5.0)  |                 |
| RWY35- | 942(3091)(1.6)  |                 |                 |                 |                 |

COCOS (KEELING) ISLANDS

| RWY                                                | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 15                                                 | (4)  | 2441 (8008) | 2501 (8205) (2.99%) | 2441 (8008) | 2441 (8008) |
| RESA dimensions 240M X 90M commences from RWS end. |      |             |                     |             |             |
| 33                                                 | (4)  | 2441 (8008) | 2502 (8209) (1.85%) | 2441 (8008) | 2441 (8008) |
| RESA dimensions 240M X 90M commences from RWS end. |      |             |                     |             |             |
| 1. Transitional surfaces infringed.                |      |             |                     |             |             |
| 2. APCH SFC based on 150M inner edge.              |      |             |                     |             |             |
| Slope Level. RWY WID 45 RWS WID 150 Graded 150     |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |  |
|--------|-----------------|-----------------|-----------------|-----------------|--|
| RWY15- | 2309(7575)(1.6) | 2420(7940)(1.9) | 2457(8061)(2.2) | 2479(8133)(2.5) |  |
| RWY33- | 2343(7687)(1.6) |                 |                 |                 |  |

COEN

| RWY                                               | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 11                                                | (2)  | 1389 (4557) | 1449 (4754) (2.94%) | 1389 (4557) | 1389 (4557) |
| RESA dimensions 60M X 90M commences from RWS end. |      |             |                     |             |             |
| 29                                                | (2)  | 1389 (4557) | 1449 (4754) (2.04%) | 1389 (4557) | 1389 (4557) |
| RESA dimensions 60M X 90M commences from RWS end. |      |             |                     |             |             |
| Slope 0.29% down to W. RWY WID 30 RWS WID 90      |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|
| RWY11- | 1027(3369)(1.6) | 1189(3901)(1.9) | 1298(4258)(2.2) | 1377(4518)(2.5) |
| RWY29- | 1321(4334)(1.6) | 1413(4636)(1.9) |                 |                 |

COFFS HARBOUR

| RWY                                           | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-----------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 03                                            | (4)  | 2080 (6824) | 2140 (7021) (3.08%) | 2080 (6824) | 2080 (6824) |
| 21                                            | (4)  | 2080 (6824) | 2140 (7021) (2.73%) | 2080 (6824) | 2080 (6824) |
| Slope 0.1% down to SW. RWY WID 45 RWS WID 150 |      |             |                     |             |             |
| 10                                            | (1)  | 851 (2792)  | 881 (2890) (3.53%)  | 851 (2792)  | 726 (2382)  |
| RWY 10 DTHR 125M.                             |      |             |                     |             |             |
| 28                                            | (1)  | 851 (2792)  | 881 (2890) (6.64%)  | 851 (2792)  | 851 (2792)  |
| Slope 0.3% down to W. RWY WID 18 RWS WID 80   |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|
| RWY03- | 892(2926)(1.9)  | 1349(4426)(2.2) | 1685(5528)(2.5) |                 |
| RWY21- | 1372(4501)(1.6) | 1677(5502)(1.9) | 1917(6289)(2.2) | 2072(6798)(2.5) |
| RWY10- | 870(2854)(3.3)  |                 |                 |                 |
| RWY28- | 835(2739)(5.0)  |                 |                 |                 |

CONDOBOLIN

| RWY                                                                                                                         | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-----------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 01                                                                                                                          | (3)  | 1372 (4501) | 1462 (4797) (3.9%)  | 1372 (4501) | 1372 (4501) |
| RESA dimensions 90M X 90M commences from RWY end.                                                                           |      |             |                     |             |             |
| 19                                                                                                                          | (3)  | 1372 (4501) | 1552 (5092) (1.76%) | 1372 (4501) | 1372 (4501) |
| RESA dimensions 180M X 90M commences from RWY end.                                                                          |      |             |                     |             |             |
| Unlit OBST fence 1.0FT ABV RWS end PARL to RWY, 85M W of RCL end is not included in the calculation of TODA GRAD and STODA. |      |             |                     |             |             |
| Slope 430M end level, 0.9% down to S, 150M S end level. RWY WID 30 RWS WID 150 Graded 90                                    |      |             |                     |             |             |
| 10                                                                                                                          | (2)  | 1203 (3947) | 1263 (4144) (2.39%) | 1203 (3947) | 1203 (3947) |
| RESA dimensions 60M X 90M commences from RWY end.                                                                           |      |             |                     |             |             |
| 28                                                                                                                          | (2)  | 1203 (3947) | 1263 (4144) (2.96%) | 1203 (3947) | 1203 (3947) |
| RESA dimensions 60M X 90M commences from RWY end.                                                                           |      |             |                     |             |             |
| Slope 0.2% centre down to both ends. RWY WID 30 RWS WID 90                                                                  |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|
| RWY01- | 941(3087)(1.9)  | 1087(3566)(2.2) | 1193(3914)(2.5) | 1380(4528)(3.3) |
| RWY19- | 1470(4823)(1.6) |                 |                 |                 |
| RWY10- | 1061(3481)(1.6) | 1151(3776)(1.9) | 1232(4042)(2.2) |                 |
| RWY28- | 921(3022)(1.6)  | 1041(3415)(1.9) | 1118(3668)(2.2) | 1179(3868)(2.5) |

COOBER PEDY

| RWY                                                               | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 04                                                                | (3)  | 1428 (4685) | 1680 (5512) (1.96%) | 1608 (5276) | 1428 (4685) |
| 22                                                                | (3)  | 1428 (4685) | 1680 (5512) (1.2%)  | 1608 (5276) | 1428 (4685) |
| RWY 04/22 ASDA 1613(5292) AVBL HJ.                                |      |             |                     |             |             |
| Slope 0.24% down to SW. RWY WID 30 RWS WID 150 Graded 90          |      |             |                     |             |             |
| 14                                                                | (2)  | 829 (2720)  | 889 (2917) (2.05%)  | 829 (2720)  | 829 (2720)  |
| 32                                                                | (2)  | 829 (2720)  | 889 (2917) (2.48%)  | 829 (2720)  | 829 (2720)  |
| Slope 0.24% down to NW and 0.2% down to SE. RWY WID 30 RWS WID 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                |
|--------|-----------------|-----------------|----------------|
| RWY04- | 1649(5410)(1.6) | 1676(5499)(1.9) |                |
| RWY14- | 858(2815)(1.6)  | 880(2887)(1.9)  |                |
| RWY32- | 859(2818)(1.6)  | 872(2861)(1.9)  | 882(2894)(2.2) |

COOKTOWN

| RWY                                                                                                                                                                                 | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 11                                                                                                                                                                                  | (3)  | 1627 (5338) | 1687 (5535) (3.84%) | 1627 (5338) | 1567 (5141) |
| RESA dimensions 90M X 90M commences from RWS end.                                                                                                                                   |      |             |                     |             |             |
| 29                                                                                                                                                                                  | (3)  | 1567 (5141) | 1627 (5338) (3.4%)  | 1567 (5141) | 1567 (5141) |
| RESA dimensions 90M X 90M commences from RWY end.                                                                                                                                   |      |             |                     |             |             |
| OBST fence 5.3FT ABV, 45M left of CL, 13M from RWS not taken into account in calculation of TODA GRAD and STODA. RWY reference code based on 150M approach and TKOF inner edge WID. |      |             |                     |             |             |
| Slope 0.2% down to E. RWY WID 30 RWS WID 90                                                                                                                                         |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| RWY11- | 964(3163)(1.6)  | 1108(3635)(1.9) | 1257(4124)(2.2) | 1374(4508)(2.5) | 1597(5239)(3.3) |
| RWY29- | 1050(3445)(1.9) | 1244(4081)(2.2) | 1376(4514)(2.5) | 1614(5295)(3.3) |                 |

COOMA - SNOWY MOUNTAINS

| RWY                                                                                                                                                                      | (CN) | TORA        | TODA                | ASDA        | LDA         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 18                                                                                                                                                                       | (3)  | 2120 (6955) | 2180 (7152) (1.4%)  | 2120 (6955) | 1910 (6266) |
| RESA dimensions 90M X 90M commences from RWY end.                                                                                                                        |      |             |                     |             |             |
| 36                                                                                                                                                                       | (3)  | 2120 (6955) | 2180 (7152) (4.18%) | 2120 (6955) | 2120 (6955) |
| RESA dimensions 90M X 90M commences from RWY end.                                                                                                                        |      |             |                     |             |             |
| 1. RWY 18 DTHR 210M.                                                                                                                                                     |      |             |                     |             |             |
| 2. Caution: Fence 8.8FT ABV and 2M N of RWS end, and transient OBST up to 21.1FT ABV and 15M N of RWS end are not taken into account in determining TODA GRAD and STODA. |      |             |                     |             |             |
| Slope 0.5% down to N. RWY WID 30 RWS WID 150                                                                                                                             |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                |                 |                 |                 |  |
|--------|----------------|-----------------|-----------------|-----------------|--|
| RWY36- | 979(3212)(1.9) | 1347(4419)(2.2) | 1648(5407)(2.5) | 2148(7047)(3.3) |  |
|--------|----------------|-----------------|-----------------|-----------------|--|

COONABARABRAN

| RWY                                                                                                                                        | (CN) | TORA        | TODA                | ASDA        | LDA         |
|--------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 01                                                                                                                                         | (1)  | 649 (2129)  | 709 (2326) (2.06%)  | 649 (2129)  | 649 (2129)  |
| 19                                                                                                                                         | (1)  | 649 (2129)  | 709 (2326) (1.2%)   | 649 (2129)  | 649 (2129)  |
| Slope 0.2% DOWN to S. RWY WID 60 RWS WID 90 Graded 60                                                                                      |      |             |                     |             |             |
| 11                                                                                                                                         | (3)  | 1520 (4987) | 1671 (5482) (2.76%) | 1611 (5285) | 1520 (4987) |
| 29                                                                                                                                         | (3)  | 1520 (4987) | 1610 (5282) (5.66%) | 1520 (4987) | 1520 (4987) |
| 1. CAUTION: OBST fences 6FT high and PARL to RWY, 73M N and S of RCL are not taken into account in the calculation of TODA GRAD and STODA. |      |             |                     |             |             |
| Slope 0.2% down to E for W 600(1969) 0.3% down to W for remainder. RWY WID 30 RWS WID 150 Graded 90                                        |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY11- 1607(5272)(1.6) 1632(5354)(1.9) 1650(5413)(2.2) 1663(5456)(2.5)  
RWY29- 1004(3294)(1.9) 1332(4370)(2.2) 1391(4564)(2.5) 1494(4902)(3.3) 1588(5210)(5.0)

COONAMBLE

| RWY                                                                                                                              | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 05                                                                                                                               | (3)  | 1527 (5010) | 1587 (5207) (6.85%) | 1527 (5010) | 1527 (5010) |
| Unlit OBST fence 5.2FT ABV RWS, PARL and 92M SE of RCL is not taken into account when determining TODA GRAD and STODA.           |      |             |                     |             |             |
| 23                                                                                                                               | (3)  | 1527 (5010) | 1587 (5207) (2.38%) | 1527 (5010) | 1527 (5010) |
| 1. Transitional SFC infringed by line of trees 23FT AGL APRX 90M FM RCL each side of RWY.                                        |      |             |                     |             |             |
| 2. CAUTION: Unlit OBST fence 3.1FT ABV RWS, PARL and 84M NW of RCL is not taken into account in determining TODA GRAD and STODA. |      |             |                     |             |             |
| Slope Level. RWY WID 30 RWS WID 150 Graded 90                                                                                    |      |             |                     |             |             |
| 12                                                                                                                               | (1)  | 580 (1903)  | 640 (2100) (3.55%)  | 580 (1903)  | 580 (1903)  |
| 30                                                                                                                               | (1)  | 580 (1903)  | 640 (2100) (2.3%)   | 580 (1903)  | 580 (1903)  |
| Slope 0.2% down to NW. RWY WID 30 RWS WID 90                                                                                     |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY05- 899(2949)(1.6) 1068(3504)(1.9) 1167(3829)(2.2) 1246(4088)(2.5) 1380(4528)(3.3)  
1515(4970)(5.0)  
RWY23- 1111(3645)(1.6) 1343(4406)(1.9) 1509(4951)(2.2)

COONDEWANNA

| RWY                                                    | (CN) | TORA        | TODA                | ASDA        | LDA         |
|--------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 08                                                     | (3)  | 1950 (6398) | 2080 (6824) (5.8%)  | 1950 (6398) | 1800 (5905) |
| RESA dimensions 90M X 60M commences from RWY end.      |      |             |                     |             |             |
| 26                                                     | (3)  | 1930 (6332) | 2080 (6824) (2.22%) | 1930 (6332) | 1800 (5905) |
| RESA dimensions 90M X 60M commences from RWY end.      |      |             |                     |             |             |
| 1. RWY 26 TKOF SFC area surveyed to 10,000M.           |      |             |                     |             |             |
| 2. RWY 08/26 TORA, TODA & ASDA begin at RWS end.       |      |             |                     |             |             |
| 3. RWY 08/26 APCH inner edge length 150M.              |      |             |                     |             |             |
| Slope 0.7% down to W. RWY WID 30 RWS WID 150 Graded 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY08- 1098(3602)(1.6) 1808(5932)(1.9) 1899(6230)(2.2) 1947(6388)(2.5) 2021(6630)(3.3)  
2071(6795)(5.0)  
RWY26- 2049(6722)(1.6) 2072(6798)(1.9) 2079(6821)(2.2)

COOTAMUNDRA

| RWY                                                      | (CN) | TORA        | TODA                 | ASDA        | LDA         |
|----------------------------------------------------------|------|-------------|----------------------|-------------|-------------|
| 10                                                       | (1)  | 855 (2805)  | 915 (3002) (4.14%)   | 855 (2805)  | 855 (2805)  |
| 28                                                       | (1)  | 855 (2805)  | 915 (3002) (3.21%)   | 855 (2805)  | 855 (2805)  |
| Slope 0.5% down to W. RWY WID 30 RWS WID 90              |      |             |                      |             |             |
| 16                                                       | (2)  | 1406 (4613) | 1466 (4810) (15.08%) | 1406 (4613) | 1406 (4613) |
| 34                                                       | (2)  | 1406 (4613) | 1466 (4810) (2.91%)  | 1406 (4613) | 1126 (3694) |
| RWY 34 PERM DTHR 280M indicated by 6 green inset lights. |      |             |                      |             |             |
| Slope Level. RWY WID 18 RWS WID 90                       |      |             |                      |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY16- 881(2890)(1.9) 1003(3291)(2.2) 1081(3547)(2.5) 1201(3940)(3.3) 1324(4344)(5.0)  
RWY34- 835(2739)(1.6) 1092(3583)(1.9) 1306(4285)(2.2) 1455(4774)(2.5)

COROWA

| RWY                                                             | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-----------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 05                                                              | (2)  | 1528 (5013) | 1588 (5210) (2.04%) | 1528 (5013) | 1528 (5013) |
| Side TNS infringed by isolated trees.                           |      |             |                     |             |             |
| 23                                                              | (2)  | 1528 (5013) | 1588 (5210) (3.28%) | 1528 (5013) | 1528 (5013) |
| Slope Level. RWY WID 23 RWS WID 150                             |      |             |                     |             |             |
| 14                                                              | (1)  | 1282 (4206) | 1342 (4403) (1.83%) | 1282 (4206) | 1282 (4206) |
| RWY 14 W side transitional surface infringed by isolated trees. |      |             |                     |             |             |
| 32                                                              | (1)  | 1282 (4206) | 1342 (4403) (3.06%) | 1282 (4206) | 1282 (4206) |
| Slope Level. RWY WID 18 RWS WID 90                              |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY05- 1240(4068)(1.6) 1498(4915)(1.9)  
RWY23- 858(2815)(1.6) 1083(3553)(1.9) 1248(4094)(2.2) 1374(4508)(2.5)  
RWY14- 1183(3881)(1.6)  
RWY32- 936(3071)(1.9) 1089(3573)(2.2) 1198(3930)(2.5)

CORRYONG

| RWY                                                                                                                                                                                                           | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 06                                                                                                                                                                                                            | (2)  | 1401 (4596) | 1461 (4793) (1.79%) | 1401 (4596) | 1324 (4344) |
| 1. LDG RWY 06 - Unlit OBST fence 2.8FT ABV and 23M W of RWS end.                                                                                                                                              |      |             |                     |             |             |
| 2. Transient OBST 12FT ABV and 48M E of RWS end has not been taken into account in the calculation of TODA GRAD and STODA.                                                                                    |      |             |                     |             |             |
| 3. RWY 06 DTHR 77M.                                                                                                                                                                                           |      |             |                     |             |             |
| 24                                                                                                                                                                                                            | (2)  | 1401 (4596) | 1461 (4793) (2.91%) | 1401 (4596) | 1314 (4311) |
| 1. CAUTION: OBST fence 2.8FT ABV and 23M SW of RWS end has not been taken into account in the calculation of the TODA GRAD and STODA. TKOF SFC survey RWY 06/24 based on 90M WID and 10,000M clearance plane. |      |             |                     |             |             |
| 2. Transient OBST 14FT ABV and 45M W of RWS end has not been taken into account in the calculation of TODA GRAD and STODA.                                                                                    |      |             |                     |             |             |
| 3. RWY 24 DTHR 87M.                                                                                                                                                                                           |      |             |                     |             |             |
| 4. RWY 06/24 transitional SFC infringed by isolated trees.                                                                                                                                                    |      |             |                     |             |             |
| Slope 0.3% down to NE. RWY WID 30 RWS WID 90 Graded 90                                                                                                                                                        |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY06- 1396(4580)(1.6)  
RWY24- 997(3271)(2.2) 1222(4009)(2.5)

COWRA

| RWY                                                                                                              | (CN) | TORA        | TODA                | ASDA        | LDA         |
|------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 03                                                                                                               | (1)  | 1166 (3825) | 1226 (4022) (3.31%) | 1166 (3825) | 1166 (3825) |
| Fence 6.7FT ABV and 31M NE of RWS end not taken into account in the calculation of TODA, GRAD and STODA.         |      |             |                     |             |             |
| 21                                                                                                               | (1)  | 1166 (3825) | 1226 (4022) (2.46%) | 1166 (3825) | 1166 (3825) |
| Slope 0.3% down to SW. RWY WID 30 RWS WID 80                                                                     |      |             |                     |             |             |
| 15                                                                                                               | (3)  | 1630 (5348) | 1706 (5597) (4.7%)  | 1630 (5348) | 1630 (5348) |
| OBST fence 2.0FT ABV and PARL to RWY, 59M W of RCL not taken into account in calculation of TODA GRAD and STODA. |      |             |                     |             |             |
| 33                                                                                                               | (3)  | 1630 (5348) | 1720 (5643) (4.34%) | 1630 (5348) | 1630 (5348) |
| Fence 2.4FT ABV and at RWS end not taken into account in the calculation of TODA, GRAD and STODA.                |      |             |                     |             |             |
| Slope 0.1% down to NW. RWY WID 30 RWS WID 90                                                                     |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| RWY03- | 833(2733)(1.9)  | 961(3153)(2.2)  | 1071(3514)(2.5) | 1225(4019)(3.3) |                 |
| RWY21- | 807(2648)(1.6)  | 974(3195)(1.9)  | 1123(3684)(2.2) |                 |                 |
| RWY15- | 986(3235)(2.2)  | 1217(3993)(2.5) | 1632(5354)(3.3) |                 |                 |
| RWY33- | 1331(4367)(1.6) | 1429(4688)(1.9) | 1501(4924)(2.2) | 1555(5102)(2.5) | 1650(5413)(3.3) |

CROKER ISLAND

| RWY                                                                             | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 13                                                                              | (2)  | 1433 (4701) | 1496 (4908) (1.77%) | 1433 (4701) | 1433 (4701) |
| 31                                                                              | (2)  | 1433 (4701) | 1496 (4908) (2.61%) | 1433 (4701) | 1433 (4701) |
| Slope 0.8% down to each end from 600M (1970) from SE end. RWY WID 23 RWS WID 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |  |
|--------|-----------------|-----------------|-----------------|-----------------|--|
| RWY13- | 1454(4770)(1.6) |                 |                 |                 |  |
| RWY31- | 1177(3862)(1.6) | 1335(4380)(1.9) | 1423(4669)(2.2) | 1479(4852)(2.5) |  |

CUE

| RWY                                                      | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 04                                                       | (3)  | 1980 (6496) | 2040 (6693) (2.22%) | 1980 (6496) | 1980 (6496) |
| RESA dimensions 90M X 60M commences from RWS end.        |      |             |                     |             |             |
| 22                                                       | (3)  | 1980 (6496) | 2040 (6693) (2.2%)  | 1980 (6496) | 1980 (6496) |
| RESA dimensions 90M X 60M commences from RWS end.        |      |             |                     |             |             |
| APCH RWY survey areas - RWY 04/22 APCH inner edge 150M.  |      |             |                     |             |             |
| Slope 0.41% down to SW. RWY WID 30 RWS WID 150 Graded 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |  |  |
|--------|-----------------|-----------------|-----------------|--|--|
| RWY04- | 1964(6443)(1.6) | 2008(6588)(1.9) | 2038(6686)(2.2) |  |  |
| RWY22- | 1958(6424)(1.6) | 2006(6581)(1.9) |                 |  |  |



CUNDERDIN

| RWY                                                | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 05                                                 | (3)  | 1841 (6040) | 1901 (6237) (2.55%) | 1841 (6040) | 1841 (6040) |
| RESA dimensions 285M X 45M commences from RWY end. |      |             |                     |             |             |
| 23                                                 | (3)  | 1841 (6040) | 1901 (6237) (2.64%) | 1841 (6040) | 1841 (6040) |
| RESA dimensions 60M X 45M commences from RWY end.  |      |             |                     |             |             |
| Slope 0.25% down to SW. RWY WID 30 RWS WID 90      |      |             |                     |             |             |
| 14                                                 | (3)  | 1509 (4951) | 1569 (5148) (1.72%) | 1509 (4951) | 1509 (4951) |
| RESA dimensions 60M X 45M commences from RWY end.  |      |             |                     |             |             |
| 1. OBST FENCE 4FT AGL 6M SE FM RWS END GRAD 20%    |      |             |                     |             |             |
| 32                                                 | (3)  | 1509 (4951) | 1569 (5148) (1.6%)  | 1509 (4951) | 1509 (4951) |
| RESA dimensions 60M X 45M commences from RWY end.  |      |             |                     |             |             |
| Slope 0.16% down to SE. RWY WID 30 RWS WID 90      |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY05- 1458(4783)(1.6) 1653(5423)(1.9) 1789(5869)(2.2) 1888(6194)(2.5)  
RWY23- 1790(5873)(1.6) 1833(6014)(1.9) 1866(6122)(2.2) 1891(6204)(2.5)  
RWY14- 1376(4514)(1.6)

CUNNAMULLA

| RWY                                                     | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 06                                                      | (2)  | 914 (2999)  | 974 (3195) (1.6%)   | 914 (2999)  | 914 (2999)  |
| 24                                                      | (2)  | 914 (2999)  | 974 (3195) (2.1%)   | 914 (2999)  | 914 (2999)  |
| Slope Level. RWY WID 18 RWS WID 90                      |      |             |                     |             |             |
| 12                                                      | (3)  | 1733 (5686) | 1793 (5882) (1.86%) | 1733 (5686) | 1733 (5686) |
| 30                                                      | (3)  | 1733 (5686) | 1793 (5882) (3.73%) | 1733 (5686) | 1733 (5686) |
| Slope 0.1% down to SE. RWY WID 30 RWS WID 150 Graded 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY24- 950(3117)(1.6) 966(3169)(1.9)  
RWY12- 1775(5823)(1.6)  
RWY30- 1715(5627)(1.6) 1737(5699)(1.9) 1753(5751)(2.2) 1765(5791)(2.5) 1786(5860)(3.3)

CURTIN

| RWY                                           | (CN)  | TORA         | TODA                | ASDA         | LDA          |
|-----------------------------------------------|-------|--------------|---------------------|--------------|--------------|
| 11                                            | (MIL) | 3049 (10003) | 3354 (11004) (2.2%) | 3049 (10003) | 3049 (10003) |
| 29                                            | (MIL) | 3049 (10003) | 3354 (11004) (1%)   | 3049 (10003) | 3049 (10003) |
| TKOF/Climb SFC inner edge WID 180M.           |       |              |                     |              |              |
| Slope 0.46% Down to W. RWY WID 45 RWS WID 150 |       |              |                     |              |              |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY11- 3189(10462)(1.6) 3289(10791)(1.9) 3314(10873)(2.0)

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DALGARANGA MINE

| RWY                                                      | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 11                                                       | (3)  | 1600 (5249) | 1660 (5446) (1.2%)  | 1600 (5249) | 1600 (5249) |
| RESA dimensions 60M X 60M commences from RWY end.        |      |             |                     |             |             |
| 29                                                       | (3)  | 1600 (5249) | 1660 (5446) (1.77%) | 1600 (5249) | 1600 (5249) |
| RESA dimensions 60M X 60M commences from RWY end.        |      |             |                     |             |             |
| Surveys are conducted using 90M baseline.                |      |             |                     |             |             |
| Slope 0.184% down to NW. RWY WID 30 RWS WID 90 Graded 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY29- 1636(5367)(1.6)

DARWIN

| RWY                                                                                                                               | (CN) | TORA         | TODA                 | ASDA         | LDA          |
|-----------------------------------------------------------------------------------------------------------------------------------|------|--------------|----------------------|--------------|--------------|
| 11                                                                                                                                | (4)  | 3354 (11004) | 3444 (11299) (2.16%) | 3354 (11004) | 3354 (11004) |
| RESA dimensions 234M X 150M commences from RWS end.                                                                               |      |              |                      |              |              |
| 29                                                                                                                                | (4)  | 3354 (11004) | 3444 (11299) (1.2%)  | 3354 (11004) | 3354 (11004) |
| RESA dimensions 240M X 150M commences from RWS end.                                                                               |      |              |                      |              |              |
| 1. RWY 11/29 OBST surveys conducted using 300M inner edge WID.                                                                    |      |              |                      |              |              |
| 2. RWY 11/29 Hook Cable maintenance conducted on regular basis. REF NOTAM for reduced OPR LEN details DRG periods of cable MAINT. |      |              |                      |              |              |
| 3. RWY 29 APCH and TNS infringed by trees up to 18FT.                                                                             |      |              |                      |              |              |
| Slope 0.2% down to SE. RWY WID 45 RWS WID 300 Graded 150                                                                          |      |              |                      |              |              |
| 18                                                                                                                                | (2)  | 1524 (5000)  | 1584 (5197) (1.7%)   | 1524 (5000)  | 1524 (5000)  |
| RESA dimensions 90M X 90M commences from RWS end.                                                                                 |      |              |                      |              |              |
| 36                                                                                                                                | (2)  | 1524 (5000)  | 1584 (5197) (1.35%)  | 1524 (5000)  | 1524 (5000)  |
| RESA dimensions 120M X 90M commences from RWS end.                                                                                |      |              |                      |              |              |
| 1. RWY 36 APCH TNS E and W side infringed by trees up to 7FT.                                                                     |      |              |                      |              |              |
| Slope 0.3% down to S. RWY WID 30 RWS WID 90                                                                                       |      |              |                      |              |              |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY11- 3037(9964)(1.6) 3269(10725)(1.9)

RWY18- 1560(5118)(1.6)

TAXIWAY INTERSECTION DECLARED DISTANCES

|        |                   |                          |                               |
|--------|-------------------|--------------------------|-------------------------------|
| RWY11- | TKOF from TWY B1; | RWY remaining 2238(7342) | reduce all DIST by 1116(3661) |
| RWY11- | TKOF from TWY B2; | RWY remaining 2238(7342) | reduce all DIST by 1116(3661) |
| RWY11- | TKOF from TWY C3; | RWY remaining 2882(9455) | reduce all DIST by 472(1549)  |
| RWY11- | TKOF from TWY C4; | RWY remaining 2897(9504) | reduce all DIST by 457(1499)  |
| RWY11- | TKOF from TWY E1; | RWY remaining 1690(5545) | reduce all DIST by 1664(5459) |
| RWY11- | TKOF from TWY E2; | RWY remaining 1690(5545) | reduce all DIST by 1664(5459) |
| RWY29- | TKOF from TWY D;  | RWY remaining 2236(7336) | reduce all DIST by 1118(3668) |
| RWY29- | TKOF from TWY E1; | RWY remaining 1687(5535) | reduce all DIST by 1667(5469) |
| RWY29- | TKOF from TWY E2; | RWY remaining 1687(5535) | reduce all DIST by 1667(5469) |

LAHSO DISTANCES

LDA for LAHSO

RWY 29 - 2687(8816)

RWY 36 - 1146(3760)

DEGRUSSA

| RWY                                                     | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 09                                                      | (3)  | 1920 (6299) | 1980 (6496) (1.61%) | 1920 (6299) | 1920 (6299) |
| 27                                                      | (3)  | 1920 (6299) | 1980 (6496) (2.96%) | 1920 (6299) | 1920 (6299) |
| Slope 0.22% down to W. RWY WID 30 RWS WID 150 Graded 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY09- 1973(6473)(1.6)

RWY27- 1914(6279)(1.6) 1936(6352)(1.9) 1952(6404)(2.2) 1965(6447)(2.5)

DENILQUIN

| RWY                                                     | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 06                                                      | (3)  | 1219 (3999) | 1369 (4491) (3.39%) | 1279 (4196) | 1219 (3999) |
| RESA dimensions 150M X 60M commences from RWY end.      |      |             |                     |             |             |
| 24                                                      | (3)  | 1219 (3999) | 1369 (4491) (3.01%) | 1279 (4196) | 1219 (3999) |
| RESA dimensions 150M X 60M commences from RWY end.      |      |             |                     |             |             |
| Slope 0.2% down to NE. RWY WID 30 RWS WID 150 Graded 90 |      |             |                     |             |             |
| 12                                                      | (1)  | 1487 (4879) | 1547 (5075) (4.37%) | 1487 (4879) | 1487 (4879) |
| 30                                                      | (1)  | 1487 (4879) | 1547 (5075) (2.71%) | 1487 (4879) | 1487 (4879) |
| Slope 0.1% down to NW. RWY WID 30 RWS WID 90            |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| RWY06- | 1112(3648)(1.6) | 1179(3868)(1.9) | 1234(4049)(2.2) | 1280(4199)(2.5) | 1360(4462)(3.3) |
| RWY24- | 999(3278)(1.6)  | 1130(3707)(1.9) | 1221(4006)(2.2) | 1285(4216)(2.5) |                 |
| RWY12- | 1196(3924)(1.6) | 1277(4190)(1.9) | 1339(4393)(2.2) | 1388(4554)(2.5) | 1476(4842)(3.3) |
| RWY30- | 1447(4747)(1.6) | 1479(4852)(1.9) | 1508(4947)(2.2) | 1533(5029)(2.5) |                 |

DERBY

| RWY                                                                                                          | (CN) | TORA        | TODA                | ASDA        | LDA         |
|--------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 05                                                                                                           | (1)  | 1158 (3799) | 1218 (3996) (1.98%) | 1158 (3799) | 1158 (3799) |
| 23                                                                                                           | (1)  | 1158 (3799) | 1218 (3996) (2.6%)  | 1158 (3799) | 1158 (3799) |
| Fence 3FT ABV and 1270M FM SOT, across RCL has been taken into account in calculation of TODA GRAD and STODA |      |             |                     |             |             |
| Slope 0.1% down to SW. RWY WID 18 RWS WID 90                                                                 |      |             |                     |             |             |
| 11                                                                                                           | (3)  | 1736 (5695) | 1826 (5991) (3.47%) | 1736 (5695) | 1736 (5695) |
| RWY 11 fences not taken into calculation of TODA GRAD and STODA.                                             |      |             |                     |             |             |
| 29                                                                                                           | (3)  | 1736 (5695) | 1796 (5892) (2.42%) | 1736 (5695) | 1736 (5695) |
| 1. Fence 1826M FM SOT and 78M L and R of CL 5FT ABV end of TODA.                                             |      |             |                     |             |             |
| 2. Fence 1885M FM SOT and on extended CL 6FT ABV end of TODA.                                                |      |             |                     |             |             |
| 3. RWY 11/29 APCH inner edge length 150M. TKOF inner edge length 180M.                                       |      |             |                     |             |             |
| Slope 0.1% down to W. RWY WID 30 RWS WID 90                                                                  |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| RWY05- | 944(3097)(1.6)  | 1164(3819)(1.9) |                 |                 |                 |
| RWY23- | 1186(3891)(1.6) | 1199(3934)(1.9) | 1208(3963)(2.2) | 1215(3986)(2.5) |                 |
| RWY11- | 1362(4468)(1.6) | 1501(4924)(1.9) | 1600(5249)(2.2) | 1675(5495)(2.5) | 1805(5922)(3.3) |
| RWY29- | 1778(5833)(1.6) | 1787(5863)(1.9) | 1793(5882)(2.2) |                 |                 |

DEVONPORT

| RWY                                                                                                      | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 06                                                                                                       | (4)  | 1838 (6030) | 1898 (6227) (2.28%) | 1838 (6030) | 1838 (6030) |
| RESA dimensions 90M X 60M commences from RWY end.                                                        |      |             |                     |             |             |
| Fence 3.1FT ABV and 29.6M E of RWS end not taken into account in the calculation of TODA GRAD and STODA. |      |             |                     |             |             |
| 24                                                                                                       | (4)  | 1838 (6030) | 1898 (6227) (2.79%) | 1838 (6030) | 1838 (6030) |
| RESA dimensions 90M X 60M commences from RWY end.                                                        |      |             |                     |             |             |
| Slope 0.1% down to W. RWY WID 45 RWS WID 300                                                             |      |             |                     |             |             |
| 14                                                                                                       | (2)  | 880 (2887)  | 940 (3084) (4.17%)  | 880 (2887)  | 880 (2887)  |
| 32                                                                                                       | (2)  | 880 (2887)  | 940 (3084) (3.24%)  | 880 (2887)  | 880 (2887)  |
| Slope 0.6% down to NW. RWY WID 30 RWS WID 90                                                             |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |  |  |
|--------|-----------------|-----------------|-----------------|--|--|
| RWY06- | 1206(3957)(1.9) | 1782(5846)(2.2) |                 |  |  |
| RWY24- | 1196(3924)(1.9) | 1579(5180)(2.2) | 1857(6092)(2.5) |  |  |
| RWY32- | 820(2690)(1.9)  | 854(2802)(2.2)  | 881(2890)(2.5)  |  |  |

DIRRANBANDI

| RWY                                                                                     | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-----------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 01                                                                                      | (2)  | 1217 (3993) | 1277 (4190) (3.41%) | 1217 (3993) | 1217 (3993) |
| 19                                                                                      | (2)  | 1217 (3993) | 1277 (4190) (1.76%) | 1217 (3993) | 1217 (3993) |
| CAUTION: Lit Telstra tower 1,233M FM RWY 01 SOT, 040DEG MAG, infringes inner HZS by 7M. |      |             |                     |             |             |
| Slope 0.1% down to S. RWY WID 30 RWS WID 90                                             |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|
| RWY01- | 954(3130)(1.9)  | 1123(3684)(2.2) | 1245(4085)(2.5) | 1274(4180)(3.3) |
| RWY19- | 1270(4167)(1.6) |                 |                 |                 |

DJARINDJIN/LOMBADINA

| RWY                                                    | (CN) | TORA        | TODA                | ASDA        | LDA         |
|--------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 10                                                     | (1)  | 1200 (3937) | 1260 (4134) (3.36%) | 1200 (3937) | 1200 (3937) |
| 28                                                     | (1)  | 1200 (3937) | 1260 (4134) (3.88%) | 1200 (3937) | 1200 (3937) |
| TNS infringed by trees both ends.                      |      |             |                     |             |             |
| Slope 0.58% down to W. RWY WID 18 RWS WID 80 Graded 45 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                |                 |                 |                                 |
|--------|----------------|-----------------|-----------------|---------------------------------|
| RWY10- | 874(2867)(1.9) | 1014(3327)(2.2) | 1105(3625)(2.5) | 1257(4124)(3.3)                 |
| RWY28- | 925(3035)(1.6) | 1001(3284)(1.9) | 1061(3481)(2.2) | 1110(3642)(2.5) 1208(3963)(3.3) |

DONALD

| RWY                                                                     | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 09                                                                      | (1)  | 1166 (3825) | 1226 (4022) (2.61%) | 1166 (3825) | 1166 (3825) |
| 27                                                                      | (1)  | 1166 (3825) | 1226 (4022) (2.82%) | 1166 (3825) | 1166 (3825) |
| Slope 0.6% down to W. RWY WID 18 RWS WID 90                             |      |             |                     |             |             |
| 18                                                                      | (1)  | 788 (2585)  | 848 (2782) (3.06%)  | 788 (2585)  | 788 (2585)  |
| 36                                                                      | (1)  | 788 (2585)  | 848 (2782) (1.2%)   | 788 (2585)  | 788 (2585)  |
| Slope 0.7%. 200M down to S; 0.5%. 588M down to N. RWY WID 30 RWS WID 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                |                 |                 |                 |
|--------|----------------|-----------------|-----------------|-----------------|
| RWY09- | 909(2982)(2.2) | 1175(3855)(2.5) |                 |                 |
| RWY27- | 805(2641)(1.6) | 964(3163)(1.9)  | 1083(3553)(2.2) | 1163(3816)(2.5) |
| RWY18- | 802(2631)(2.5) |                 |                 |                 |

DOOMADGEE

| RWY                                                                                                                                    | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 12                                                                                                                                     | (3)  | 1656 (5433) | 1716 (5630) (6.6%)  | 1656 (5433) | 1656 (5433) |
| RESA dimensions 90M X 60M commences from RWS end.                                                                                      |      |             |                     |             |             |
| 30                                                                                                                                     | (3)  | 1656 (5433) | 1716 (5630) (3.01%) | 1656 (5433) | 1656 (5433) |
| RESA dimensions 90M X 60M commences from RWS end.                                                                                      |      |             |                     |             |             |
| 1. Unlit OBST fence 5FT ABV RWS, 80M NE and 69M S of RWY CL has not been taken into account in the calculation of TODA GRAD and STODA. |      |             |                     |             |             |
| 2. Surveyed to a 150M inner edge.                                                                                                      |      |             |                     |             |             |
| Slope 0.1% down to SE. RWY WID 30 RWS WID 90                                                                                           |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                                 |
|--------|-----------------|-----------------|-----------------|---------------------------------|
| RWY12- | 1214(3983)(1.6) | 1374(4508)(1.9) | 1445(4741)(2.2) | 1496(4908)(2.5) 1589(5213)(3.3) |
|        | 1685(5528)(5.0) |                 |                 |                                 |
| RWY30- | 1353(4439)(1.6) | 1477(4846)(1.9) | 1567(5141)(2.2) | 1634(5361)(2.5)                 |

DUBBO

| RWY                                                                                                                                                           | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 05                                                                                                                                                            | (3)  | 1708 (5604) | 1768 (5800) (1.37%) | 1708 (5604) | 1708 (5604) |
| RESA dimensions 60M X 45M commences from RWY end.                                                                                                             |      |             |                     |             |             |
| 23                                                                                                                                                            | (3)  | 1708 (5604) | 1768 (5800) (2.7%)  | 1708 (5604) | 1708 (5604) |
| RESA dimensions 60M X 45M commences from RWY end.                                                                                                             |      |             |                     |             |             |
| Transient OBST up to 20.5FT ABV 199M SW of RWS end and fence 13.3FT ABV 186M SW of RWS end, not taken into account in the calculation of TODA GRAD and STODA. |      |             |                     |             |             |
| Slope 0.6% down to NE. Sealed blast areas 60 X 45 at RWY ends. RWY WID 45 RWS WID 150                                                                         |      |             |                     |             |             |
| 11                                                                                                                                                            | (2)  | 1067 (3501) | 1127 (3697) (2.51%) | 1067 (3501) | 1067 (3501) |
| RESA dimensions 60M X 18M commences from RWY end.                                                                                                             |      |             |                     |             |             |
| OBST: Fence 13FT ABV and up to 103M E of RWS end, not taken into account in the calculation of TODA GRAD and STODA.                                           |      |             |                     |             |             |
| 29                                                                                                                                                            | (2)  | 1067 (3501) | 1127 (3697) (3.83%) | 1067 (3501) | 1067 (3501) |
| RESA dimensions 60M X 18M commences from RWY end.                                                                                                             |      |             |                     |             |             |
| Slope 0.5% down to W. RWY WID 18 RWS WID 90                                                                                                                   |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |  |
|--------|-----------------|-----------------|-----------------|-----------------|--|
| RWY23- | 1201(3940)(1.9) | 1502(4928)(2.2) | 1684(5525)(2.5) |                 |  |
| RWY11- | 989(3245)(2.2)  | 1124(3688)(2.5) |                 |                 |  |
| RWY29- | 872(2861)(1.9)  | 935(3068)(2.2)  | 985(3232)(2.5)  | 1086(3563)(3.3) |  |

DUKETON GOLD

| RWY                                                         | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 18                                                          | (3)  | 2000 (6562) | 2060 (6758) (2.21%) | 2000 (6562) | 2000 (6562) |
| RESA dimensions 90M X 60M commences from RWY end.           |      |             |                     |             |             |
| 36                                                          | (3)  | 2000 (6562) | 2060 (6758) (2.45%) | 2000 (6562) | 2000 (6562) |
| RESA dimensions 90M X 60M commences from RWY end.           |      |             |                     |             |             |
| APCH RWY survey areas - RWY 18/36 APCH inner edge 150M.     |      |             |                     |             |             |
| Slope 0.33% down to the N. RWY WID 30 RWS WID 150 Graded 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |  |  |
|--------|-----------------|-----------------|-----------------|--|--|
| RWY18- | 1926(6319)(1.6) | 2004(6575)(1.9) | 2057(6749)(2.2) |  |  |
| RWY36- | 1955(6414)(1.6) | 2001(6565)(1.9) | 2036(6680)(2.2) |  |  |

EAST JAURDI

| RWY                                                     | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 08                                                      | (3)  | 1900 (6234) | 1960 (6430) (2.77%) | 1900 (6234) | 1900 (6234) |
| RESA dimensions 90M X 60M commences from RWS end.       |      |             |                     |             |             |
| 26                                                      | (3)  | 1900 (6234) | 1960 (6430) (2.72%) | 1900 (6234) | 1900 (6234) |
| RESA dimensions 90M X 60M commences from RWS end.       |      |             |                     |             |             |
| RWY 08/26 APCH inner edge length 150M.                  |      |             |                     |             |             |
| Slope 0.79% down to E. RWY WID 30 RWS WID 150 Graded 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|
| RWY08- | 1848(6063)(1.6) | 1886(6188)(1.9) | 1916(6286)(2.2) | 1941(6368)(2.5) |
| RWY26- | 1141(3743)(1.9) | 1551(5089)(2.2) | 1817(5961)(2.5) |                 |

EAST SALE

| RWY                                | (CN)  | TORA        | TODA                | ASDA        | LDA         |
|------------------------------------|-------|-------------|---------------------|-------------|-------------|
| 04                                 | (MIL) | 2437 (7995) | 2497 (8192) (1.2%)  | 2437 (7995) | 2437 (7995) |
| 22                                 | (MIL) | 2437 (7995) | 2497 (8192) (2.19%) | 2437 (7995) | 2437 (7995) |
| TKOF/Climb SFC inner edge WID 180. |       |             |                     |             |             |

RUNWAY INTERSECTION DECLARED DISTANCES

RWY 04 - TKOF from RWY 09/27; RWY remaining 1081 (3546) reduce all DIST by 1356 (4449)

RWY 22 - TKOF from RWY 09/27; RWY remaining 1417 (4649) reduce all DIST by 1020 (3346)

Slope 0.07% down to NE. RWY WID 45 RWS WID 150

|                                                         |       |             |                     |             |             |
|---------------------------------------------------------|-------|-------------|---------------------|-------------|-------------|
| 09                                                      | (MIL) | 2230 (7316) | 2290 (7513) (2.13%) | 2230 (7316) | 2230 (7316) |
| 27                                                      | (MIL) | 2230 (7316) | 2290 (7513) (2.52%) | 2230 (7316) | 2230 (7316) |
| TKOF/Climb SFC inner edge WID 180.                      |       |             |                     |             |             |
| Slope down 0.12% to E. RWY WID 45 RWS WID 150 Graded 90 |       |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|
| RWY22- | 2253(7392)(1.6) | 2397(7864)(1.9) |                 |                 |
| RWY09- | 2196(7205)(1.6) | 2253(7392)(1.9) |                 |                 |
| RWY27- | 2019(6624)(1.6) | 2141(7024)(1.9) | 2225(7300)(2.2) | 2287(7503)(2.5) |

TAXIWAY INTERSECTION DECLARED DISTANCES

|        |                   |                          |                               |
|--------|-------------------|--------------------------|-------------------------------|
| RWY04- | TKOF from TWY A5; | RWY remaining 1261(4137) | reduce all DIST by 1176(3858) |
| RWY04- | TKOF from TWY H3; | RWY remaining 1825(5987) | reduce all DIST by 612(2008)  |
| RWY22- | TKOF from TWY A5; | RWY remaining 1195(3921) | reduce all DIST by 1242(4075) |
| RWY22- | TKOF from TWY G;  | RWY remaining 1768(5800) | reduce all DIST by 669(2195)  |
| RWY27- | TKOF from TWY B5; | RWY remaining 1720(5643) | reduce all DIST by 510(1673)  |

ECHUCA

| RWY                                               | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 05                                                | (1)  | 510 (1673)  | 540 (1772) (5.44%)  | 510 (1673)  | 510 (1673)  |
| 23                                                | (1)  | 510 (1673)  | 540 (1772) (4.17%)  | 510 (1673)  | 510 (1673)  |
| Slope 0.1% down to W. RWY WID 30 RWS WID 60       |      |             |                     |             |             |
| 17                                                | (1)  | 1102 (3615) | 1162 (3812) (2.16%) | 1102 (3615) | 1102 (3615) |
| RESA dimensions 60M X 60M commences from RWY end. |      |             |                     |             |             |
| 35                                                | (1)  | 1102 (3615) | 1162 (3812) (2.56%) | 1102 (3615) | 1102 (3615) |
| RESA dimensions 60M X 60M commences from RWY end. |      |             |                     |             |             |
| Slope 0.1% down to N. RWY WID 18 RWS WID 90       |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                |                 |                 |  |
|--------|----------------|-----------------|-----------------|--|
| RWY17- | 969(3179)(1.6) | 1090(3576)(1.9) |                 |  |
| RWY35- | 817(2680)(1.9) | 1000(3281)(2.2) | 1138(3734)(2.5) |  |

EDINBURGH

| RWY                                                          | (CN)  | TORA        | TODA                | ASDA        | LDA         |
|--------------------------------------------------------------|-------|-------------|---------------------|-------------|-------------|
| 18                                                           | (MIL) | 2850 (9350) | 2910 (9547) (2.77%) | 2850 (9350) | 2560 (8399) |
| RWY18 DTHR 290M                                              |       |             |                     |             |             |
| 36                                                           | (MIL) | 2966 (9731) | 3026 (9928) (5.2%)  | 2966 (9731) | 2850 (9350) |
| 1. RWY36 DTHR 116M                                           |       |             |                     |             |             |
| 2. 60M blast pavement provided at both ends of RWY pavement. |       |             |                     |             |             |
| Slope 0.11% down to S. RWY WID 45 RWS WID 230 Graded 150     |       |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| RWY18- | 2812(9226)(1.6) | 2848(9344)(1.9) | 2858(9377)(2.0) | 2875(9432)(2.2) | 2896(9501)(2.5) |
| RWY36- | 2817(9242)(1.6) | 2869(9413)(1.9) | 2904(9527)(2.2) | 2932(9619)(2.5) | 2977(9767)(3.3) |
|        | 3022(9915)(5.0) |                 |                 |                 |                 |

TAXIWAY INTERSECTION DECLARED DISTANCES

|        |                  |                          |                               |
|--------|------------------|--------------------------|-------------------------------|
| RWY18- | TKOF from TWY E; | RWY remaining 2560(8399) | reduce all DIST by 290(951)   |
| RWY18- | TKOF from TWY F; | RWY remaining 1666(5466) | reduce all DIST by 1184(3884) |
| RWY36- | TKOF from TWY B; | RWY remaining 2850(9350) | reduce all DIST by 116(381)   |
| RWY36- | TKOF from TWY C; | RWY remaining 2190(7185) | reduce all DIST by 776(2546)  |

ELCHO ISLAND

| RWY                                                                                                                | (CN) | TORA        | TODA                | ASDA        | LDA         |
|--------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 10                                                                                                                 | (2)  | 1440 (4724) | 1500 (4921) (3.29%) | 1440 (4724) | 1440 (4724) |
| 28                                                                                                                 | (2)  | 1440 (4724) | 1500 (4921) (1.2%)  | 1440 (4724) | 1440 (4724) |
| 1. RWY 10/28 OBST surveys are conducted using 90M inner edge width.                                                |      |             |                     |             |             |
| 2. OBST trees 90FT AGL PSN 110M N and 120M S of CL full length infringes RWY 10/28 transitional SFC by up to 25FT. |      |             |                     |             |             |
| Slope 0.2% down to SE. RWY WID 30 RWS WID 90                                                                       |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|
| RWY10- | 1007(3304)(1.9) | 1169(3835)(2.2) | 1291(4236)(2.5) |
|--------|-----------------|-----------------|-----------------|

ELIWANA

| RWY                                                    | (CN) | TORA        | TODA                | ASDA        | LDA         |
|--------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 10                                                     | (3)  | 2500 (8202) | 2560 (8399) (1.88%) | 2500 (8202) | 2500 (8202) |
| RESA dimensions 90M X 60M commences from RWY end.      |      |             |                     |             |             |
| 28                                                     | (3)  | 2500 (8202) | 2560 (8399) (1.8%)  | 2500 (8202) | 2500 (8202) |
| RESA dimensions 90M X 60M commences from RWY end.      |      |             |                     |             |             |
| Slope 0.1% down to W. RWY WID 30 RWS WID 150 Graded 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |
|--------|-----------------|
| RWY10- | 2497(8192)(1.6) |
| RWY28- | 2531(8304)(1.6) |



EMERALD

| RWY                                                                                                                                                                                                                                                                             | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 06                                                                                                                                                                                                                                                                              | (3)  | 1900 (6234) | 1960 (6430) (1.5%)  | 1900 (6234) | 1900 (6234) |
| RESA dimensions 90M X 60M commences from RWY end.<br>Parallel fence 5.50FT ABV and 20M FM RWS end and 92M left and right of extended RCL has not been taken into account in the calculation of TODA GRAD and STODA.                                                             |      |             |                     |             |             |
| 24                                                                                                                                                                                                                                                                              | (3)  | 1900 (6234) | 1960 (6430) (3.15%) | 1900 (6234) | 1900 (6234) |
| RESA dimensions 90M X 60M commences from RWY end.<br>Parallel fence 7.80FT ABV and 35M FM RWS end and 92M left and right of extended RCL has not been taken into account in the calculation of TODA GRAD and STODA.<br>Slope 0.2% down to NE. RWY WID 30 RWS WID 150 Graded 150 |      |             |                     |             |             |
| 15                                                                                                                                                                                                                                                                              | (1)  | 618 (2028)  | 678 (2224) (2%)     | 618 (2028)  | 618 (2028)  |
| 33                                                                                                                                                                                                                                                                              | (1)  | 618 (2028)  | 678 (2224) (2.5%)   | 618 (2028)  | 618 (2028)  |
| Slope 0.4% down to NW. RWY WID 18 RWS WID 60                                                                                                                                                                                                                                    |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY24- 1610(5282)(1.6) 1724(5656)(1.9) 1806(5925)(2.2) 1868(6129)(2.5)

ESPERANCE

| RWY                                                                                                                                                                                                      | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 03                                                                                                                                                                                                       | (1)  | 1178 (3865) | 1238 (4062) (3.4%)  | 1178 (3865) | 1178 (3865) |
| RESA dimensions 60M X 60M commences from RWS end.<br>Caution: SE end RWY 21 unlit OBST fence 4FT AGL and 90M SW of RWS CL has not been taken into account in the calculation of TODA gradient and STODA. |      |             |                     |             |             |
| 21                                                                                                                                                                                                       | (1)  | 1178 (3865) | 1238 (4062) (2.44%) | 1178 (3865) | 1178 (3865) |
| RESA dimensions 60M X 60M commences from RWS end.<br>Slope NE end 0.3% down to SW, SW end level. RWY WID 18 RWS WID 60                                                                                   |      |             |                     |             |             |
| 11                                                                                                                                                                                                       | (3)  | 1800 (5905) | 1900 (6234) (3.62%) | 1800 (5905) | 1800 (5905) |
| RESA dimensions 90M X 60M commences from RWS end.                                                                                                                                                        |      |             |                     |             |             |
| 29                                                                                                                                                                                                       | (3)  | 1800 (5905) | 1900 (6234) (1.2%)  | 1800 (5905) | 1800 (5905) |
| RESA dimensions 90M X 60M commences from RWS end.<br>Slope 0.6% down to W. RWY WID 30 RWS WID 150                                                                                                        |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY03- 869(2851)(2.2) 999(3278)(2.5) 1219(3999)(3.3)  
RWY21- 1165(3822)(1.6) 1197(3927)(1.9) 1221(4006)(2.2)  
RWY11- 1795(5889)(1.6) 1831(6007)(1.9) 1853(6079)(2.2) 1869(6132)(2.5) 1893(6211)(3.3)

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FITZROY CROSSING

| RWY                                                                     | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 01                                                                      | (2)  | 1300 (4265) | 1360 (4462) (1.22%) | 1300 (4265) | 1300 (4265) |
| 19                                                                      | (2)  | 1300 (4265) | 1360 (4462) (2.09%) | 1300 (4265) | 1300 (4265) |
| RWY 01/19 APCB inner edge length 90M.                                   |      |             |                     |             |             |
| Slope N end 0.2% down to N. S end 0.2% down to S. RWY WID 30 RWS WID 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY19- 1287(4222)(1.6) 1335(4380)(1.9)

FLINDERS ISLAND

| RWY                                                                                                                                                                     | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 05                                                                                                                                                                      | (2)  | 1070 (3510) | 1130 (3707) (2.2%)  | 1070 (3510) | 1070 (3510) |
| RESA dimensions 60M X 60M commences from RWY end.                                                                                                                       |      |             |                     |             |             |
| Unlit OBST Fence 4.1FT ABV and 17M NE of RWS end, and transient OBST (road) 7.5FT ABV and 26M NE of RWS end are not included in the calculation of TODA GRAD and STODA. |      |             |                     |             |             |
| 23                                                                                                                                                                      | (2)  | 1070 (3510) | 1130 (3707) (1.86%) | 1070 (3510) | 1014 (3327) |
| RESA dimensions 60M X 60M commences from RWY end.                                                                                                                       |      |             |                     |             |             |
| RWY 23 DTHR 56 (184).                                                                                                                                                   |      |             |                     |             |             |
| Slope 0.5% down to SW. RWY WID 30 RWS WID 90                                                                                                                            |      |             |                     |             |             |
| 14                                                                                                                                                                      | (3)  | 1720 (5643) | 1780 (5840) (3.3%)  | 1720 (5643) | 1720 (5643) |
| RESA dimensions 60M X 60M commences from RWY end.                                                                                                                       |      |             |                     |             |             |
| Unlit OBST Fence 3.1FT ABV and at RWS end is not included in the calculation of TODA GRAD and STODA.                                                                    |      |             |                     |             |             |
| 32                                                                                                                                                                      | (3)  | 1720 (5643) | 1780 (5840) (3.72%) | 1720 (5643) | 1720 (5643) |
| RESA dimensions 60M X 60M commences from RWY end.                                                                                                                       |      |             |                     |             |             |
| Unlit OBST Fence 2.5FT ABV and at RWS end is not included in the calculation of TODA GRAD and STODA.                                                                    |      |             |                     |             |             |
| Slope 0.1% from centre down to ends. RWY WID 30 RWS WID 90                                                                                                              |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY23- 1126(3694)(1.6)  
RWY14- 1775(5823)(3.3)  
RWY32- 1337(4386)(3.3)

FORBES

| RWY                                                                                                                                       | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 09                                                                                                                                        | (1)  | 1228 (4029) | 1288 (4226) (1.3%)  | 1228 (4029) | 1228 (4029) |
| RESA dimensions 60M X 18M commences from RWY end.                                                                                         |      |             |                     |             |             |
| 27                                                                                                                                        | (1)  | 1228 (4029) | 1288 (4226) (2.99%) | 1228 (4029) | 1228 (4029) |
| RESA dimensions 60M X 18M commences from RWY end.                                                                                         |      |             |                     |             |             |
| Unlit OBST fence 4FT ABV RWY and 63M off the eastern end of RWY 09 has not been taken into account in calculation of TODA GRAD and STODA. |      |             |                     |             |             |
| Slope Level. RWY WID 18 RWS WID 90                                                                                                        |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY27- 1275(4183)(1.6) 1279(4196)(1.9) 1283(4209)(2.2) 1285(4216)(2.5)

FORREST

| RWY                                                                                                                              | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 09                                                                                                                               | (3)  | 1349 (4426) | 1409 (4623) (1.2%)  | 1349 (4426) | 1349 (4426) |
| RESA dimensions 60M X 150M commences from RWY end.                                                                               |      |             |                     |             |             |
| 27                                                                                                                               | (3)  | 1349 (4426) | 1409 (4623) (2.87%) | 1349 (4426) | 1349 (4426) |
| RESA dimensions 60M X 150M commences from RWY end.                                                                               |      |             |                     |             |             |
| 1. Unlit OBST. Levee bank 5FT ABV and 37M FM RWY 27 RWS end has not been taken into account in calculation of TODA GRAD & STODA. |      |             |                     |             |             |
| Slope 0.1% down to E. RWY WID 30 RWS WID 150 Graded 150                                                                          |      |             |                     |             |             |
| 18                                                                                                                               | (3)  | 1519 (4984) | 1579 (5180) (2.85%) | 1519 (4984) | 1519 (4984) |
| RESA dimensions 60M X 150M commences from RWY end.                                                                               |      |             |                     |             |             |
| 36                                                                                                                               | (3)  | 1519 (4984) | 1829 (6001) (1.2%)  | 1519 (4984) | 1519 (4984) |
| RESA dimensions 310M X 150M commences from RWY end.                                                                              |      |             |                     |             |             |
| RWY 18/36 transitional SFC may be infringed by ACFT parked on apron.                                                             |      |             |                     |             |             |
| Slope Level. RWY WID 45 RWS WID 150 Graded 150                                                                                   |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|
| RWY27- | 1255(4117)(1.6) | 1301(4268)(1.9) | 1335(4380)(2.2) | 1360(4462)(2.5) |
| RWY18- | 1318(4324)(1.6) | 1412(4632)(1.9) | 1480(4856)(2.2) | 1532(5026)(2.5) |

FORRESTANIA

| RWY                                                                                                                 | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 15                                                                                                                  | (3)  | 1530 (5020) | 1590 (5216) (2.15%) | 1530 (5020) | 1530 (5020) |
| RESA dimensions 60M X 60M commences from RWY end.                                                                   |      |             |                     |             |             |
| 33                                                                                                                  | (3)  | 1530 (5020) | 1590 (5216) (1.36%) | 1530 (5020) | 1530 (5020) |
| RESA dimensions 60M X 60M commences from RWY end.                                                                   |      |             |                     |             |             |
| 1. OBST fence 7FT AGL, 90M either side of CL 1590M FM SOT RWY 15 and RWY 33 not taken into account for survey data. |      |             |                     |             |             |
| 2. TKOF survey inner edge 180M.                                                                                     |      |             |                     |             |             |
| 3. RWY 15/33 APCH inner edge LEN 150M.                                                                              |      |             |                     |             |             |
| Slope 0.1% down to SE. RWY WID 30 RWS WID 150 Graded 90                                                             |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |
|--------|-----------------|-----------------|
| RWY15- | 1250(4101)(1.6) | 1459(4787)(1.9) |
|--------|-----------------|-----------------|

FORTESCUE DAVE FORREST

| RWY                                                                                                             | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-----------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 12                                                                                                              | (3)  | 2300 (7546) | 2360 (7743) (2.15%) | 2300 (7546) | 2300 (7546) |
| RESA dimensions 90M X 60M commences from RWY end.                                                               |      |             |                     |             |             |
| 30                                                                                                              | (3)  | 2300 (7546) | 2360 (7743) (2.11%) | 2300 (7546) | 2300 (7546) |
| RESA dimensions 90M X 60M commences from RWY end.                                                               |      |             |                     |             |             |
| APCH RWY inner edge 150M.                                                                                       |      |             |                     |             |             |
| Slope 700M NW end 0.3% down to SE, Centre 1,100M 1.2% down, SE 500M end level. RWY WID 30 RWS WID 150 Graded 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |
|--------|-----------------|-----------------|
| RWY12- | 2228(7310)(1.6) | 2315(7595)(1.9) |
| RWY30- | 2310(7579)(1.6) | 2342(7684)(1.9) |

GARDEN POINT

| RWY                                                                 | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 04                                                                  | (2)  | 1315 (4314) | 1375 (4511) (2.36%) | 1315 (4314) | 1315 (4314) |
| 22                                                                  | (2)  | 1315 (4314) | 1375 (4511) (4.4%)  | 1315 (4314) | 1315 (4314) |
| 1. RWY 04/22 OBST surveys are conducted using 90M inner edge width. |      |             |                     |             |             |
| 2. RWY 04/22 E & W side transitional SFC infringed.                 |      |             |                     |             |             |
| Slope 0.7% down to SW. RWY WID 18 RWS WID 90                        |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                |                 |                 |                 |                 |
|--------|----------------|-----------------|-----------------|-----------------|-----------------|
| RWY04- | 952(3123)(1.9) | 1256(4121)(2.2) |                 |                 |                 |
| RWY22- | 940(3084)(1.6) | 1037(3402)(1.9) | 1114(3655)(2.2) | 1176(3858)(2.5) | 1285(4216)(3.3) |

GAYNDAH

| RWY                                                | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 06                                                 | (2)  | 1265 (4150) | 1325 (4347) (8.05%) | 1265 (4150) | 1265 (4150) |
| RESA dimensions 140M X 75M commences from RWY end. |      |             |                     |             |             |
| 24                                                 | (2)  | 1265 (4150) | 1325 (4347) (4.3%)  | 1265 (4150) | 1265 (4150) |
| RESA dimensions 100M X 75M commences from RWY end. |      |             |                     |             |             |
| Slope 0.3% down to NE. RWY WID 23 RWS WID 90       |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                |                 |                 |                 |  |
|--------|----------------|-----------------|-----------------|-----------------|--|
| RWY06- | 917(3008)(2.2) | 1024(3360)(2.5) | 1125(3691)(3.3) | 1238(4062)(5.0) |  |
| RWY24- | 907(2976)(1.9) | 1054(3458)(2.2) | 1162(3812)(2.5) | 1265(4150)(3.3) |  |

GEORGETOWN (QLD)

| RWY                                                                                                                                   | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 06                                                                                                                                    | (1)  | 1158 (3799) | 1218 (3996) (3.3%)  | 1158 (3799) | 1158 (3799) |
| 24                                                                                                                                    | (1)  | 1158 (3799) | 1218 (3996) (4.23%) | 1158 (3799) | 1158 (3799) |
| Fence and trees, either side of RCL, infringe TNS by up to 10FT W end both sides.                                                     |      |             |                     |             |             |
| Slope down 1.25% FM SW end for 220M then rises 0.15% for 300M. Remaining 638M slopes down 0.7% to NE. RWY WID 18 RWS WID 90 Graded 80 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                |                 |                 |                 |  |
|--------|----------------|-----------------|-----------------|-----------------|--|
| RWY06- | 926(3038)(1.6) | 1040(3412)(1.9) | 1087(3566)(2.2) | 1126(3694)(2.5) |  |
| RWY24- | 874(2867)(2.2) | 946(3104)(2.5)  | 1137(3730)(3.3) |                 |  |

GERALDTON

| RWY                                                     | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 03                                                      | (4)  | 2389 (7838) | 2449 (8035) (1.68%) | 2389 (7838) | 2389 (7838) |
| RESA dimensions 240M X 90M commences from RWS end.      |      |             |                     |             |             |
| 21                                                      | (4)  | 2389 (7838) | 2449 (8035) (1.67%) | 2389 (7838) | 2389 (7838) |
| RESA dimensions 240M X 90M commences from RWS end.      |      |             |                     |             |             |
| Slope 0.3% down to S. RWY WID 45 RWS WID 300 Graded 150 |      |             |                     |             |             |
| 08                                                      | (1)  | 900 (2953)  | 960 (3150) (2.16%)  | 900 (2953)  | 900 (2953)  |
| 26                                                      | (1)  | 900 (2953)  | 960 (3150) (2.87%)  | 900 (2953)  | 900 (2953)  |
| Slope 0.3% down to W. RWY WID 18 RWS WID 90             |      |             |                     |             |             |
| 14                                                      | (1)  | 844 (2769)  | 904 (2966) (1.2%)   | 844 (2769)  | 844 (2769)  |
| 32                                                      | (1)  | 844 (2769)  | 904 (2966) (4.75%)  | 844 (2769)  | 844 (2769)  |
| Slope 0.1% down to SE. RWY WID 18 RWS WID 90            |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                |  |  |  |
|--------|-----------------|----------------|--|--|--|
| RWY03- | 2426(7959)(1.6) |                |  |  |  |
| RWY21- | 2374(7789)(1.6) |                |  |  |  |
| RWY26- | 828(2717)(2.2)  | 894(2933)(2.5) |  |  |  |
| RWY32- | 822(2697)(3.3)  |                |  |  |  |

GINBATA

| RWY                                                      | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 09                                                       | (4)  | 2500 (8202) | 2560 (8399) (1.35%) | 2500 (8202) | 2500 (8202) |
| RESA dimensions 60M X 90M commences from RWY end.        |      |             |                     |             |             |
| 27                                                       | (4)  | 2500 (8202) | 2560 (8399) (1.2%)  | 2500 (8202) | 2500 (8202) |
| RESA dimensions 60M X 90M commences from RWY end.        |      |             |                     |             |             |
| Slope 0.04% down to E. RWY WID 45 RWS WID 300 Graded 150 |      |             |                     |             |             |

GINGIN

| RWY                                                                          | (CN)  | TORA        | TODA             | ASDA        | LDA         |
|------------------------------------------------------------------------------|-------|-------------|------------------|-------------|-------------|
| 08                                                                           | (MIL) | 1828 (5997) | 1988 (6522) (0%) | 1828 (5997) | 1828 (5997) |
| 26                                                                           | (MIL) | 1828 (5997) | 2133 (6998) (0%) | 1828 (5997) | 1828 (5997) |
| 1. RWY08 and RWY26 No APCH or TKOF gradients have been considered.           |       |             |                  |             |             |
| 2. RWY 08 and RWY 26 TODA gradients not provided due obstruction in the CWY. |       |             |                  |             |             |
| 3. RWY SFC composition sealed.                                               |       |             |                  |             |             |
| 4. TKOF/CLIMB SFC inner edge WID 180M.                                       |       |             |                  |             |             |
| Slope 0.06% down to E. RWY WID 45 RWS WID 230                                |       |             |                  |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

ARRESTOR BARRIER ERRECTED (Net Poles 21FT AGL)

|        |                  |                  |                  |                  |
|--------|------------------|------------------|------------------|------------------|
| RWY 08 | 1524(5000)(1.6%) | 1578(5177)(1.9%) | 1592(5223)(2.0%) | 1618(5308)(2.2%) |
|        | 1648(5406)(2.5%) | 1703(5587)(3.3%) | 1762(5780)(5.0%) |                  |
| RWY 26 | 1486(4875)(1.6%) | 1549(5082)(1.9%) | 1566(5137)(2.0%) | 1595(5232)(2.2%) |
|        | 1630(5347)(2.5%) | 1690(5544)(3.3%) | 1754(5754)(5.0%) |                  |

ARRESTOR BARRIER RETRACTED (Net Poles 5FT)

|        |                  |                  |                  |                  |
|--------|------------------|------------------|------------------|------------------|
| RWY 08 | 1814(5951)(1.6%) | 1827(5994)(1.9%) | 1829(6000)(2.0%) | 1833(6013)(2.2%) |
|        | 1839(6033)(2.5%) | 1848(6062)(3.3%) | 1858(6095)(5.0%) |                  |
| RWY 26 | 1731(5679)(1.6%) | 1815(5954)(1.9%) | 1818(5964)(2.0%) | 1823(5980)(2.2%) |
|        | 1830(6003)(2.5%) | 1841(6040)(3.3%) | 1853(6079)(5.0%) |                  |

GLADSTONE

| RWY | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-----|------|-------------|---------------------|-------------|-------------|
| 10  | (3)  | 1885 (6184) | 1945 (6381) (4.28%) | 1885 (6184) | 1780 (5840) |

RESA dimensions 90M X 60M commences from RWY end.

1. RWY 10 DTHR 60M.
2. Reduce TORA, TODA, ASDA and STODA by 45M HN.
3. Caution: Fence 2.3FT ABV and at RWS end, and Transient OBST up to 8.3FT ABV and at RWS end are not taken into account in determining TODA GRAD and STODA.

|    |     |             |                     |             |             |
|----|-----|-------------|---------------------|-------------|-------------|
| 28 | (3) | 1920 (6299) | 1980 (6496) (5.69%) | 1920 (6299) | 1720 (5643) |
|----|-----|-------------|---------------------|-------------|-------------|

RESA dimensions 90M X 60M commences from RWY end.

1. RWY 28 DTHR 120M.
2. Reduce TORA, TODA, ASDA and STODA by 80M HN.
3. Physical distance BTN RWY 10/28 ends is 1965M.
4. OBST lights (group of LGT towers on coal loading gantry 250M long) 214FT AMSL PSN BRG 334 MAG 4,300M FM ARP. Infringes inner HZS by 15FT.
5. Caution: Unlit OBST has not been taken into account in calculation of TODA GRAD and STODA.

Slope 0.34% down to E. RWY WID 30 RWS WID 150 Graded 150

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|
| RWY10- | 1108(3635)(1.9) | 1367(4485)(2.2) | 1576(5171)(2.5) | 1867(6125)(3.3) |
| RWY28- | 806(2644)(2.5)  | 1940(6365)(3.3) | 1973(6473)(5.0) |                 |

TAXIWAY INTERSECTION DECLARED DISTANCES

|        |                   |                          |                               |
|--------|-------------------|--------------------------|-------------------------------|
| RWY10- | TKOF from TWY A1; | RWY remaining 1349(4426) | reduce all DIST by 536(1759)  |
| RWY10- | TKOF from TWY A4; | RWY remaining 989(3245)  | reduce all DIST by 896(2940)  |
| RWY28- | TKOF from TWY A4; | RWY remaining 869(2851)  | reduce all DIST by 1051(3448) |
| RWY28- | TKOF from TWY A5; | RWY remaining 1009(3310) | reduce all DIST by 911(2989)  |

GLEN INNES

| RWY                                                                                                                                                                    | (CN) | TORA        | TODA                | ASDA        | LDA         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 10                                                                                                                                                                     | (2)  | 1200 (3937) | 1260 (4134) (1.83%) | 1200 (3937) | 1200 (3937) |
| RESA dimensions 60M X 60M commences from RWY end.                                                                                                                      |      |             |                     |             |             |
| 28                                                                                                                                                                     | (2)  | 1200 (3937) | 1260 (4134) (1.67%) | 1200 (3937) | 1200 (3937) |
| RESA dimensions 60M X 60M commences from RWY end.                                                                                                                      |      |             |                     |             |             |
| Slope 0.2% down to W. RWY WID 30 RWS WID 90                                                                                                                            |      |             |                     |             |             |
| 14                                                                                                                                                                     | (3)  | 1498 (4915) | 1558 (5111) (2.53%) | 1498 (4915) | 1498 (4915) |
| RESA dimensions 60M X 60M commences from RWY end.                                                                                                                      |      |             |                     |             |             |
| Fence 2.5FT ABV and PARL to RWY, 91M NE of RCL and fence 6.7FT ABV and PARL to RWY, 91M SW of RCL not taken into account in the calculation of TODA GRAD and STODA.    |      |             |                     |             |             |
| 32                                                                                                                                                                     | (3)  | 1498 (4915) | 1558 (5111) (2.7%)  | 1498 (4915) | 1498 (4915) |
| RESA dimensions 60M X 60M commences from RWY end.                                                                                                                      |      |             |                     |             |             |
| 1. Transition SFC for RWY 10/28 and RWY 14/32 infringed by trees.                                                                                                      |      |             |                     |             |             |
| 2. Fence 2.9FT ABV and PARL to RWY, 91M NE of RCL and fence 0.9FT ABV and PARL to RWY, 91M SW of RCL not taken into account in the calculation of TODA GRAD and STODA. |      |             |                     |             |             |
| 3. APCH SFC slopes assessed on 3.33%.                                                                                                                                  |      |             |                     |             |             |
| 4. APCH SFC WID assessed on 150M inner edge.                                                                                                                           |      |             |                     |             |             |
| Slope 0.5% from N down to centre. 0.4% from S down to centre. RWY WID 30 RWS WID 150                                                                                   |      |             |                     |             |             |
| Graded 90                                                                                                                                                              |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |  |
|--------|-----------------|-----------------|-----------------|-----------------|--|
| RWY10- | 947(3107)(1.6)  |                 |                 |                 |  |
| RWY28- | 1224(4016)(1.6) |                 |                 |                 |  |
| RWY14- | 1209(3966)(2.2) | 1548(5079)(2.5) |                 |                 |  |
| RWY32- | 1170(3839)(1.6) | 1319(4327)(1.9) | 1428(4685)(2.2) | 1512(4961)(2.5) |  |

GNOWANGERUP

| RWY                                                  | (CN) | TORA        | TODA                | ASDA        | LDA         |
|------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 12                                                   | (2)  | 1499 (4918) | 1559 (5115) (3.08%) | 1499 (4918) | 1499 (4918) |
| RESA dimensions 60M X 60M commences from RWY end.    |      |             |                     |             |             |
| 30                                                   | (2)  | 1499 (4918) | 1559 (5115) (3.07%) | 1499 (4918) | 1499 (4918) |
| RESA dimensions 60M X 60M commences from RWY end.    |      |             |                     |             |             |
| Transitional SFC infringed by trees on north side.   |      |             |                     |             |             |
| Slope 1% down to SE. RWY WID 30 RWS WID 90 Graded 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |  |
|--------|-----------------|-----------------|-----------------|-----------------|--|
| RWY12- | 1427(4682)(1.6) | 1459(4787)(1.9) | 1485(4872)(2.2) | 1511(4957)(2.5) |  |
| RWY30- | 860(2821)(1.6)  | 1171(3842)(1.9) | 1344(4409)(2.2) | 1455(4774)(2.5) |  |

GOLD COAST

| RWY                                                                                                             | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-----------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 14                                                                                                              | (4)  | 2342 (7684) | 2402 (7880) (3.85%) | 2342 (7684) | 2342 (7684) |
| RESA dimensions 90M X 90M commences from RWS end.                                                               |      |             |                     |             |             |
| 1. Note: Fence 2FT ABV and 2M S of RWS end is not taken into account in the calculation of TODA GRAD and STODA. |      |             |                     |             |             |
| 2. RWY 14 RWS 300 - OPR restriction: TKOF RWS 150.                                                              |      |             |                     |             |             |
| 32                                                                                                              | (4)  | 2492 (8176) | 2552 (8373) (3.34%) | 2492 (8176) | 2042 (6699) |
| RESA dimensions 90M X 90M commences from RWS end.                                                               |      |             |                     |             |             |
| RWY 32 DTHR permanently 300M.                                                                                   |      |             |                     |             |             |
| Slope 0.1% down to SE. RWY WID 45 RWS WID 300                                                                   |      |             |                     |             |             |
| 17                                                                                                              | (1)  | 582 (1909)  | 642 (2106) (4.51%)  | 582 (1909)  | 582 (1909)  |
| 35                                                                                                              | (1)  | 582 (1909)  | 612 (2008) (4.14%)  | 582 (1909)  | 582 (1909)  |
| Slope 0.2% down to S. RWY WID 18 RWS WID 90                                                                     |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY14- 1757(5764)(1.6) 1935(6348)(1.9) 2058(6752)(2.2) 2153(7064)(2.5) 2325(7628)(3.3)  
RWY32- 1461(4793)(2.2) 1979(6493)(2.5) 2546(8353)(3.3)

TAXIWAY INTERSECTION DECLARED DISTANCES

RWY14- TKOF from TWY B; RWY remaining 1435(4708) reduce all DIST by 907(2976)  
RWY14- TKOF from TWY H; RWY remaining 1737(5699) reduce all DIST by 605(1985)  
RWY32- TKOF from TWY D; RWY remaining 1685(5528) reduce all DIST by 807(2648)  
RWY32- TKOF from TWY F; RWY remaining 1575(5167) reduce all DIST by 917(3008)  
RWY32- TKOF from TWY K; RWY remaining 2342(7684) reduce all DIST by 150(492)

GOLDEN GROVE

| RWY                                                            | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 11                                                             | (2)  | 1396 (4580) | 1456 (4777) (3.46%) | 1396 (4580) | 1396 (4580) |
| RESA dimensions 60M X 60M commences from RWS end.              |      |             |                     |             |             |
| 29                                                             | (2)  | 1396 (4580) | 1456 (4777) (1.78%) | 1396 (4580) | 1396 (4580) |
| RESA dimensions 60M X 60M commences from RWS end.              |      |             |                     |             |             |
| RWY 11/29 APCH inner edge length 90M. TKOF splay baseline 90M. |      |             |                     |             |             |
| Slope 0.5% down to E. RWY WID 30 RWS WID 90 Graded 80          |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY11- 1344(4409)(1.6) 1392(4567)(1.9) 1410(4626)(2.2) 1424(4672)(2.5) 1451(4760)(3.3)  
RWY29- 1432(4698)(1.6)

GOODOOGA

| RWY                                | (CN) | TORA        | TODA                | ASDA        | LDA         |
|------------------------------------|------|-------------|---------------------|-------------|-------------|
| 12                                 | (1)  | 1016 (3333) | 1076 (3530) (3.99%) | 1016 (3333) | 1016 (3333) |
| 30                                 | (1)  | 1016 (3333) | 1076 (3530) (1.76%) | 1016 (3333) | 1016 (3333) |
| Slope LEVEL. RWY WID 18 RWS WID 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY12- 816(2677)(2.2) 885(2904)(2.5) 1013(3323)(3.3)  
RWY30- 1068(3504)(1.6)



GOONDIWINDI

| RWY                                                    | (CN) | TORA        | TODA                | ASDA        | LDA         |
|--------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 04                                                     | (2)  | 1340 (4396) | 1400 (4593) (3.09%) | 1340 (4396) | 1340 (4396) |
| RESA dimensions 60M X 90M commences from RWY end.      |      |             |                     |             |             |
| 22                                                     | (2)  | 1340 (4396) | 1400 (4593) (2.7%)  | 1340 (4396) | 1340 (4396) |
| RESA dimensions 60M X 90M commences from RWY end.      |      |             |                     |             |             |
| Slope 0.1% down to NE. RWY WID 30 RWS WID 90 Graded 90 |      |             |                     |             |             |
| 12                                                     | (1)  | 795 (2608)  | 855 (2805) (4.95%)  | 795 (2608)  | 795 (2608)  |
| 30                                                     | (1)  | 795 (2608)  | 855 (2805) (1.6%)   | 795 (2608)  | 795 (2608)  |
| Slope 0.1% down to NW. RWY WID 30 RWS WID 90           |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|
| RWY04- | 1029(3376)(1.6) | 1150(3773)(1.9) | 1239(4065)(2.2) | 1306(4285)(2.5) |
| RWY22- | 1032(3386)(1.6) | 1178(3865)(1.9) | 1281(4203)(2.2) | 1359(4459)(2.5) |

GOULBURN

| RWY                                                                                                                             | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 04                                                                                                                              | (3)  | 1281 (4203) | 1342 (4403) (2.56%) | 1281 (4203) | 1281 (4203) |
| RESA dimensions 61M X 90M commences from RWY end.                                                                               |      |             |                     |             |             |
| 22                                                                                                                              | (3)  | 1281 (4203) | 1342 (4403) (2.41%) | 1281 (4203) | 1281 (4203) |
| RESA dimensions 61M X 90M commences from RWY end.                                                                               |      |             |                     |             |             |
| Fences 6.6FT ABV RWS end and PARL to RWY 22, 91.4M N and S of RCL not taken into account in calculation of TODA GRAD and STODA. |      |             |                     |             |             |
| Slope 1.2% down to NE. RWY WID 30 RWS WID 90 Graded 90                                                                          |      |             |                     |             |             |
| 08                                                                                                                              | (1)  | 679 (2228)  | 739 (2425) (3.9%)   | 679 (2228)  | 679 (2228)  |
| RESA dimensions 60M X 75M commences from RWY end.                                                                               |      |             |                     |             |             |
| 26                                                                                                                              | (1)  | 679 (2228)  | 739 (2425) (3.1%)   | 679 (2228)  | 679 (2228)  |
| RESA dimensions 60M X 75M commences from RWY end.                                                                               |      |             |                     |             |             |
| Slope 0.9% down to E. RWY WID 30 RWS WID 70                                                                                     |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|
| RWY04- | 1011(3317)(1.9) | 1167(3829)(2.2) | 1313(4308)(2.5) |
| RWY22- | 1014(3327)(2.2) |                 |                 |

GOVE

| RWY                                                                                             | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 13                                                                                              | (4)  | 2208 (7244) | 2268 (7441) (1.92%) | 2208 (7244) | 2208 (7244) |
| RESA dimensions 60M X 45M commences from RWY end.                                               |      |             |                     |             |             |
| 31                                                                                              | (4)  | 2208 (7244) | 2268 (7441) (2.11%) | 2208 (7244) | 2208 (7244) |
| RESA dimensions 60M X 45M commences from RWY end.                                               |      |             |                     |             |             |
| Length of approach inner edge 150M.                                                             |      |             |                     |             |             |
| Slope FM NW end 0.4% down to TWY E, FM TWY E level to SE end. RWY WID 45 RWS WID 150 Graded 150 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |
|--------|-----------------|-----------------|
| RWY13- | 2240(7349)(1.6) | 2267(7438)(1.9) |
| RWY31- | 1986(6516)(1.6) | 2180(7152)(1.9) |

GRAFTON

| RWY                                                                                                                         | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-----------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 18                                                                                                                          | (3)  | 1709 (5607) | 1769 (5804) (5.86%) | 1709 (5607) | 1709 (5607) |
| RESA dimensions 60M X 90M commences from RWY end.                                                                           |      |             |                     |             |             |
| S end unlit OBST bank 2FT ABV and 56M E of RWS CL has not been taken into account in the calculation of TODA GRAD and STODA |      |             |                     |             |             |
| 36                                                                                                                          | (3)  | 1709 (5607) | 1769 (5804) (1.2%)  | 1709 (5607) | 1709 (5607) |
| RESA dimensions 60M X 90M commences from RWY end.                                                                           |      |             |                     |             |             |
| Turns only at THR and turning nodes.                                                                                        |      |             |                     |             |             |
| Slope 0.8% down to N. RWY WID 30 RWS WID 150 Graded 90                                                                      |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY18- 993(3258)(1.9) 1206(3957)(2.2) 1343(4406)(2.5) 1548(5079)(3.3) 1725(5659)(5.0)

GRIFFITH

| RWY                                                     | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 06                                                      | (3)  | 1704 (5590) | 1795 (5889) (3.7%)  | 1704 (5590) | 1704 (5590) |
| 24                                                      | (3)  | 1704 (5590) | 1764 (5787) (2.86%) | 1704 (5590) | 1704 (5590) |
| Turning nodes each end 45M WID.                         |      |             |                     |             |             |
| Slope 0.3% down to SW. RWY WID 30 RWS WID 150 Graded 90 |      |             |                     |             |             |
| 18                                                      | (1)  | 600 (1968)  | 660 (2165) (5.14%)  | 600 (1968)  | 600 (1968)  |
| 36                                                      | (1)  | 600 (1968)  | 660 (2165) (2.12%)  | 600 (1968)  | 600 (1968)  |
| Slope 0.2% down to S. RWY WID 30 RWS WID 90             |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY06- 931(3054)(1.9) 1194(3917)(2.2) 1471(4826)(2.5) 1778(5833)(3.3)  
RWY24- 808(2651)(1.6) 1160(3806)(1.9) 1394(4573)(2.2) 1583(5194)(2.5)

GROOTE EYLANDT

| RWY                                                                                   | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 10                                                                                    | (3)  | 1903 (6243) | 1961 (6434) (3.05%) | 1903 (6243) | 1903 (6243) |
| RESA dimensions 90M X 90M commences from RWS end.                                     |      |             |                     |             |             |
| 28                                                                                    | (3)  | 1903 (6243) | 1961 (6434) (2.26%) | 1903 (6243) | 1903 (6243) |
| RESA dimensions 90M X 90M commences from RWS end.                                     |      |             |                     |             |             |
| RWY 10/28 transitional SFC infringed up to 24FT by trees APRX 150M N and S of RWY CL. |      |             |                     |             |             |
| Slope 0.3% down to W. RWY WID 30 RWS WID 150 Graded 90                                |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY10- 882(2894)(1.9) 1616(5302)(2.2) 1773(5817)(2.5)  
RWY28- 1645(5397)(1.6) 1809(5935)(1.9) 1939(6361)(2.2)

GRUYERE

| RWY                                                          | (CN) | TORA        | TODA                | ASDA        | LDA         |
|--------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 06                                                           | (3)  | 2100 (6890) | 2160 (7087) (2.97%) | 2100 (6890) | 2100 (6890) |
| 24                                                           | (3)  | 2100 (6890) | 2160 (7087) (2.6%)  | 2100 (6890) | 2100 (6890) |
| RWY 06/24 survey area APCH inner edge length 150M.           |      |             |                     |             |             |
| Slope 0.05% down to the NE. RWY WID 30 RWS WID 150 Graded 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY06- 1929(6329)(1.6) 2008(6588)(1.9) 2064(6772)(2.2) 2107(6913)(2.5)  
RWY24- 1975(6480)(1.6) 2053(6735)(1.9) 2110(6922)(2.2) 2153(7064)(2.5)

**GUDAI-DARRI MINE**

| RWY                                                          | (CN) | TORA        | TODA                | ASDA        | LDA         |
|--------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 12                                                           | (4)  | 2200 (7218) | 2260 (7415) (1.2%)  | 2200 (7218) | 2200 (7218) |
| RESA dimensions 90M X 90M commences from RWS end.            |      |             |                     |             |             |
| 30                                                           | (4)  | 2200 (7218) | 2260 (7415) (1.26%) | 2200 (7218) | 2200 (7218) |
| RESA dimensions 90M X 90M commences from RWS end.            |      |             |                     |             |             |
| Slope 0.24% down to the E. RWY WID 45 RWS WID 300 Graded 150 |      |             |                     |             |             |

**GUNNEDAH**

| RWY                                                                                                                | (CN) | TORA        | TODA               | ASDA        | LDA         |
|--------------------------------------------------------------------------------------------------------------------|------|-------------|--------------------|-------------|-------------|
| 11                                                                                                                 | (3)  | 1646 (5400) | 1706 (5597) (3.6%) | 1646 (5400) | 1646 (5400) |
| RESA dimensions 90M X 100M commences from RWY end.                                                                 |      |             |                    |             |             |
| Transient OBST up to 15.7FT ABV and 75M E of RWS end is not taken into account in calculating TODA GRAD and STODA. |      |             |                    |             |             |
| 29                                                                                                                 | (3)  | 1646 (5400) | 1706 (5597) (2.3%) | 1646 (5400) | 1646 (5400) |
| RESA dimensions 90M X 100M commences from RWY end.                                                                 |      |             |                    |             |             |
| Slope 0.1% down to W. RWY WID 30 RWS WID 150 Graded 90                                                             |      |             |                    |             |             |

**SUPPLEMENTARY TAKEOFF DISTANCES**

RWY11- 1130(3707)(1.6) 1393(4570)(1.9) 1492(4895)(2.2) 1557(5108)(2.5) 1676(5499)(3.3)  
RWY29- 1384(4541)(1.6) 1549(5082)(1.9) 1667(5469)(2.2)

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HALLS CREEK

| RWY                                               | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 04                                                | (3)  | 1475 (4839) | 1535 (5036) (1.86%) | 1475 (4839) | 1475 (4839) |
| RESA dimensions 90M X 60M commences from RWS end. |      |             |                     |             |             |
| 22                                                | (3)  | 1475 (4839) | 1535 (5036) (2.64%) | 1475 (4839) | 1475 (4839) |
| RESA dimensions 90M X 60M commences from RWS end. |      |             |                     |             |             |
| RWY 04/22 APCH inner edge width 150M.             |      |             |                     |             |             |
| Slope 0.2% down to NE. RWY WID 30 RWS WID 90      |      |             |                     |             |             |
| 08                                                | (1)  | 946 (3104)  | 976 (3202) (3.83%)  | 946 (3104)  | 946 (3104)  |
| RWY 08 fence 1,046M FM SOT and 4FT ABV RWY end.   |      |             |                     |             |             |
| 26                                                | (1)  | 946 (3104)  | 976 (3202) (4.07%)  | 946 (3104)  | 946 (3104)  |
| RWY 26 fence 1,066M FM SOT and 10FT ABV RWY end.  |      |             |                     |             |             |
| Slope 0.8% down to E. RWY WID 18 RWS WID 60       |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |                |
|--------|-----------------|-----------------|-----------------|-----------------|----------------|
| RWY04- | 1429(4688)(1.6) |                 |                 |                 |                |
| RWY22- | 1189(3901)(1.6) | 1338(4390)(1.9) | 1434(4705)(2.2) | 1506(4941)(2.5) |                |
| RWY08- | 838(2749)(1.6)  | 869(2851)(1.9)  | 895(2936)(2.2)  | 916(3005)(2.5)  | 956(3136)(3.3) |
| RWY26- | 886(2907)(3.3)  |                 |                 |                 |                |

HAMILTON

| RWY                                                                                                            | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 10                                                                                                             | (3)  | 1233 (4045) | 1293 (4242) (3%)    | 1233 (4045) | 1233 (4045) |
| 28                                                                                                             | (3)  | 1233 (4045) | 1293 (4242) (2.54%) | 1233 (4045) | 1233 (4045) |
| Slope 0.6% down to E, 0.8 down to W. RWY WID 30 RWS WID 90                                                     |      |             |                     |             |             |
| 17                                                                                                             | (3)  | 1664 (5459) | 1724 (5656) (1.8%)  | 1664 (5459) | 1664 (5459) |
| RESA dimensions 90M X 60M commences from RWS end.                                                              |      |             |                     |             |             |
| Unlit OBST fence, 2FT ABV, PARL and 90M W of RCL not taken into account in calculation of TODA GRAD and STODA. |      |             |                     |             |             |
| 35                                                                                                             | (3)  | 1664 (5459) | 1724 (5656) (2.62%) | 1664 (5459) | 1664 (5459) |
| RESA dimensions 90M X 60M commences from RWS end.                                                              |      |             |                     |             |             |
| Slope 0.5% down to N. RWY WID 30 RWS WID 150                                                                   |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |  |
|--------|-----------------|-----------------|-----------------|-----------------|--|
| RWY10- | 1156(3793)(1.6) | 1200(3937)(1.9) | 1229(4032)(2.2) | 1259(4131)(2.5) |  |
| RWY28- | 1013(3323)(1.6) | 1123(3684)(1.9) | 1204(3950)(2.2) | 1283(4209)(2.5) |  |
| RWY17- | 1475(4839)(1.6) |                 |                 |                 |  |
| RWY35- | 1379(4524)(1.6) | 1497(4911)(1.9) | 1597(5239)(2.2) | 1687(5535)(2.5) |  |

HAMILTON ISLAND

| RWY                                                                                                                        | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 14                                                                                                                         | (3)  | 1766 (5794) | 1841 (6040) (1.68%) | 1766 (5794) | 1706 (5597) |
| RESA dimensions 90M X 90M commences from RWY end.                                                                          |      |             |                     |             |             |
| 1. Transient yacht masts may infringe RWY 14 APCH SFC clearance - Caution RQ.                                              |      |             |                     |             |             |
| 2. TKOF run commences at end of turning node.                                                                              |      |             |                     |             |             |
| 32                                                                                                                         | (3)  | 1766 (5794) | 1826 (5991) (2.02%) | 1766 (5794) | 1706 (5597) |
| RESA dimensions 90M X 90M commences from RWY end.                                                                          |      |             |                     |             |             |
| 1. OBST fence 7FT AGL located up to 76M from RCL SW side for first 500M from RWY 32 SOT. Infringes 14.3% TNS by up to 2FT. |      |             |                     |             |             |
| 2. RWS WID 90(295) for ACFT BLW 22,700KG MTOW by day in VMC. Marked by white cones.                                        |      |             |                     |             |             |
| 3. TKOF run commences at end of turning node.                                                                              |      |             |                     |             |             |
| Slope Level. RWY WID 45 RWS WID 150                                                                                        |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |  |  |  |
|--------|-----------------|-----------------|--|--|--|
| RWY14- | 1792(5879)(1.6) |                 |  |  |  |
| RWY32- | 905(2969)(1.6)  | 1614(5295)(1.9) |  |  |  |

| HAY                                                                                                                                                                                                    |                 |                 |                     |                 |             |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------|---------------------|-----------------|-------------|--|
| RWY                                                                                                                                                                                                    | (CN)            | TORA            | TODA                | ASDA            | LDA         |  |
| 04                                                                                                                                                                                                     | (3)             | 1463 (4800)     | 1523 (4997) (3.05%) | 1463 (4800)     | 1463 (4800) |  |
| CAUTION: Transient OBST up to 15.3FT ABV and 48M NE of RWS, levee bank 3.4FT ABV and at RWS end, and fence 4FT ABV and 6M NE of RWS end are not taken into account in determining TODA GRAD and STODA. |                 |                 |                     |                 |             |  |
| 22                                                                                                                                                                                                     | (3)             | 1463 (4800)     | 1523 (4997) (2.76%) | 1463 (4800)     | 1463 (4800) |  |
| 1. OBST Fence 6FT ABV and at RWS end and PARL to RWY 72M W of RCL, are not taken into account in calculating TODA GRAD and STODA.                                                                      |                 |                 |                     |                 |             |  |
| 2. Transient OBST not accounted for in locating THR RWY 22.                                                                                                                                            |                 |                 |                     |                 |             |  |
| Slope Level. RWY WID 30 RWS WID 90 Graded 90                                                                                                                                                           |                 |                 |                     |                 |             |  |
| 15                                                                                                                                                                                                     | (2)             | 1140 (3740)     | 1200 (3937) (1.57%) | 1140 (3740)     | 1140 (3740) |  |
| 33                                                                                                                                                                                                     | (2)             | 1140 (3740)     | 1200 (3937) (4.07%) | 1140 (3740)     | 1140 (3740) |  |
| Slope Level. RWY WID 30 RWS WID 90 Graded 90                                                                                                                                                           |                 |                 |                     |                 |             |  |
| SUPPLEMENTARY TAKEOFF DISTANCES                                                                                                                                                                        |                 |                 |                     |                 |             |  |
| RWY04-                                                                                                                                                                                                 | 845(2772)(1.6)  | 1190(3904)(1.9) | 1428(4685)(2.2)     | 1471(4826)(2.5) |             |  |
| RWY22-                                                                                                                                                                                                 | 1334(4377)(1.6) | 1405(4610)(1.9) | 1456(4777)(2.2)     | 1496(4908)(2.5) |             |  |
| RWY33-                                                                                                                                                                                                 | 830(2723)(2.2)  | 925(3035)(2.5)  | 1107(3632)(3.3)     |                 |             |  |

| HERVEY BAY                                                                                                                                              |                 |                 |                     |                 |                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------|---------------------|-----------------|-----------------|
| RWY                                                                                                                                                     | (CN)            | TORA            | TODA                | ASDA            | LDA             |
| 11                                                                                                                                                      | (3)             | 2000 (6562)     | 2060 (6758) (5.19%) | 2000 (6562)     | 2000 (6562)     |
| RESA dimensions 150M X 60M commences from RWS end.                                                                                                      |                 |                 |                     |                 |                 |
| 29                                                                                                                                                      | (3)             | 2000 (6562)     | 2060 (6758) (2.82%) | 2000 (6562)     | 2000 (6562)     |
| RESA dimensions 150M X 60M commences from RWS end.                                                                                                      |                 |                 |                     |                 |                 |
| Slope W end up to 0.47% to 350M (Highest point), then down 0.40% to 520M, then down 0.74% to centre. E end down 0.27% to centre. RWY WID 30 RWS WID 150 |                 |                 |                     |                 |                 |
| SUPPLEMENTARY TAKEOFF DISTANCES                                                                                                                         |                 |                 |                     |                 |                 |
| RWY11-                                                                                                                                                  | 1313(4308)(1.6) | 1510(4954)(1.9) | 1646(5400)(2.2)     | 1745(5725)(2.5) | 1914(6279)(3.3) |
|                                                                                                                                                         | 2051(6729)(5.0) |                 |                     |                 |                 |
| RWY29-                                                                                                                                                  | 1351(4432)(1.9) | 1728(5669)(2.2) | 1915(6283)(2.5)     |                 |                 |

HOBART

| RWY                                                                                                                                        | (CN) | TORA        | TODA                | ASDA        | LDA         |
|--------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 12                                                                                                                                         | (4)  | 2727 (8947) | 2787 (9144) (3.23%) | 2727 (8947) | 2608 (8556) |
| RESA dimensions 90M X 90M commences from RWS end.                                                                                          |      |             |                     |             |             |
| 1. RWY 12 DTHR 119M.                                                                                                                       |      |             |                     |             |             |
| 2. RWY 12 TKOF run commences 119M beyond RWY 12 THR.                                                                                       |      |             |                     |             |             |
| 30                                                                                                                                         | (4)  | 2727 (8947) | 2787 (9144) (2.14%) | 2727 (8947) | 2727 (8947) |
| RESA dimensions 90M X 90M commences from RWS end.                                                                                          |      |             |                     |             |             |
| 1. Transition SFC infringed by trees.                                                                                                      |      |             |                     |             |             |
| 2. APCH lights up to 1.8FT high WI CWY.                                                                                                    |      |             |                     |             |             |
| 3. APCH lights BTN 3M and 270M FM CWY end and FM 3FT to 17FT ABV CWY end are not taken into account in calculation of TODA GRAD and STODA. |      |             |                     |             |             |
| Slope Level. RWY WID 45 RWS WID 300 Graded 150                                                                                             |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |  |
|--------|-----------------|-----------------|-----------------|-----------------|--|
| RWY12- | 2602(8537)(1.6) | 2660(8727)(1.9) | 2702(8865)(2.2) | 2734(8970)(2.5) |  |
| RWY30- | 2726(8943)(1.9) |                 |                 |                 |  |

TAXIWAY INTERSECTION DECLARED DISTANCES

|        |                  |                          |                               |
|--------|------------------|--------------------------|-------------------------------|
| RWY12- | TKOF from TWY C; | RWY remaining 2036(6680) | reduce all DIST by 691(2267)  |
| RWY12- | TKOF from TWY D; | RWY remaining 1290(4232) | reduce all DIST by 1437(4715) |
| RWY30- | TKOF from TWY D; | RWY remaining 1460(4790) | reduce all DIST by 1267(4157) |

HOPETOUN

| RWY                                                                                                                                                           | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 01                                                                                                                                                            | (1)  | 1110 (3642) | 1170 (3839) (2.8%)  | 1110 (3642) | 1110 (3642) |
| RESA dimensions 90M X 90M commences from RWY end.                                                                                                             |      |             |                     |             |             |
| 19                                                                                                                                                            | (1)  | 1110 (3642) | 1197 (3927) (3.39%) | 1110 (3642) | 1110 (3642) |
| RESA dimensions 60M X 90M commences from RWY end.                                                                                                             |      |             |                     |             |             |
| Fence 3FT ABV and 37M S of RWS end, and transient OBST up to 15FT ABV and 45M S of RWS end are not taken into account in calculating TODA GRAD and STODA.     |      |             |                     |             |             |
| Slope Level. RWY WID 18 RWS WID 90                                                                                                                            |      |             |                     |             |             |
| 08                                                                                                                                                            | (1)  | 487 (1598)  | 547 (1795) (3.66%)  | 487 (1598)  | 487 (1598)  |
| RESA dimensions 60M X 90M commences from RWY end.                                                                                                             |      |             |                     |             |             |
| 26                                                                                                                                                            | (1)  | 487 (1598)  | 547 (1795) (1.38%)  | 487 (1598)  | 487 (1598)  |
| RESA dimensions 60M X 90M commences from RWY end.                                                                                                             |      |             |                     |             |             |
| Fence 3.7FT ABV and 37M W of RWS end, and transient OBST up to 16.2FT ABV and 45M W of RWS end are not taken into account in calculating TODA GRAD and STODA. |      |             |                     |             |             |
| Slope Level. RWY WID 30 RWS WID 90                                                                                                                            |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY01- 979(3212)(1.6) 1045(3428)(1.9) 1095(3592)(2.2) 1136(3727)(2.5)  
RWY19- 829(2720)(1.6) 946(3104)(1.9) 1026(3366)(2.2) 1083(3553)(2.5) 1189(3901)(3.3)

HORN ISLAND

| RWY                                                                                               | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 08                                                                                                | (3)  | 1389 (4557) | 1449 (4754) (3.3%)  | 1389 (4557) | 1389 (4557) |
| 26                                                                                                | (3)  | 1389 (4557) | 1465 (4806) (1.78%) | 1389 (4557) | 1389 (4557) |
| 1. TKOF and APCH inner edge length 150M.                                                          |      |             |                     |             |             |
| 2. OBST trees 110M both left and right of RWY 08/26 CL infringe transitional SFC by up to 20FT.   |      |             |                     |             |             |
| 3. Fence 105M FM RWS, 80M S of RCL 17FT ABV CWY not taken into account in TODA gradient or STODA. |      |             |                     |             |             |
| Slope 0.2% down to W. RWY WID 30 RWS WID 150 Graded 90                                            |      |             |                     |             |             |
| 14                                                                                                | (2)  | 0 (0)       | 0 (0)               | 0 (0)       | 1235 (4052) |
| 32                                                                                                | (2)  | 1235 (4052) | 1295 (4249) (2.31%) | 1235 (4052) | 0 (0)       |
| 1. Due to terrain, TKOF RWY 14 and LDG RWY 32 not AVBL.                                           |      |             |                     |             |             |
| 2. RWY 14 APCH inner edge length 90M.                                                             |      |             |                     |             |             |
| Slope 0.9% down to NW. RWY WID 23 RWS WID 90                                                      |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY08- 814(2671)(2.2) 1046(3432)(2.5)  
RWY26- 1379(4524)(1.6)  
RWY32- 1201(3940)(1.6) 1248(4094)(1.9) 1284(4213)(2.2)

HORSHAM

| RWY                                                   | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 08                                                    | (3)  | 1322 (4337) | 1382 (4534) (1.2%)  | 1322 (4337) | 1322 (4337) |
| 26                                                    | (3)  | 1322 (4337) | 1382 (4534) (3.76%) | 1322 (4337) | 1322 (4337) |
| RWY 08/26 Fixed distance/touchdown markings not AVBL. |      |             |                     |             |             |
| Slope 0.1% down to W. RWY WID 30 RWS WID 90           |      |             |                     |             |             |
| 17                                                    | (2)  | 999 (3278)  | 1059 (3474) (1.2%)  | 999 (3278)  | 999 (3278)  |
| RWY 17 THR displaced 98(322).                         |      |             |                     |             |             |
| 35                                                    | (2)  | 999 (3278)  | 1157 (3796) (1.2%)  | 999 (3278)  | 999 (3278)  |
| Slope 0.1% down to N. RWY WID 24 RWS WID 80           |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY26- 1225(4019)(1.6) 1267(4157)(1.9) 1298(4258)(2.2) 1322(4337)(2.5) 1367(4485)(3.3)

HUGHENDEN

| RWY                                                     | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 06                                                      | (1)  | 1307 (4288) | 1367 (4485) (2.45%) | 1307 (4288) | 1307 (4288) |
| RESA dimensions 90M X 60M commences from RWS end.       |      |             |                     |             |             |
| 24                                                      | (1)  | 1307 (4288) | 1367 (4485) (3.78%) | 1307 (4288) | 1307 (4288) |
| RESA dimensions 90M X 60M commences from RWS end.       |      |             |                     |             |             |
| Slope 0.1% down to SW. RWY WID 18 RWS WID 60            |      |             |                     |             |             |
| 12                                                      | (3)  | 1644 (5394) | 1704 (5590) (3.18%) | 1644 (5394) | 1644 (5394) |
| RESA dimensions 90M X 60M commences from RWS end.       |      |             |                     |             |             |
| 30                                                      | (3)  | 1644 (5394) | 1704 (5590) (1.94%) | 1644 (5394) | 1644 (5394) |
| RESA dimensions 90M X 60M commences from RWS end.       |      |             |                     |             |             |
| Slope 0.2% down to NW. RWY WID 30 RWS WID 150 Graded 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|
| RWY06- | 1164(3819)(1.6) | 1258(4127)(1.9) | 1325(4347)(2.2) |                 |
| RWY24- | 947(3107)(1.9)  | 1061(3481)(2.2) | 1148(3766)(2.5) | 1309(4295)(3.3) |
| RWY12- | 1253(4111)(1.6) | 1428(4685)(1.9) | 1551(5089)(2.2) | 1616(5302)(2.5) |
| RWY30- | 1628(5341)(1.6) | 1697(5568)(1.9) |                 |                 |



INNISFAIL/MUNDOD

| RWY                                                                                                                    | (CN) | TORA        | TODA                | ASDA        | LDA         |
|------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 03                                                                                                                     | (1)  | 1204 (3950) | 1264 (4147) (2.82%) | 1204 (3950) | 1204 (3950) |
| RESA dimensions 90M X 60M commences from RWY end.                                                                      |      |             |                     |             |             |
| 21                                                                                                                     | (1)  | 1204 (3950) | 1264 (4147) (4.96%) | 1204 (3950) | 1204 (3950) |
| RESA dimensions 90M X 60M commences from RWY end.                                                                      |      |             |                     |             |             |
| Slope 0.3% down to NE. RWY WID 30 RWS WID 90                                                                           |      |             |                     |             |             |
| 14                                                                                                                     | (2)  | 1353 (4439) | 1413 (4636) (1.6%)  | 1353 (4439) | 1353 (4439) |
| RESA dimensions 90M X 60M commences from RWY end.                                                                      |      |             |                     |             |             |
| 32                                                                                                                     | (2)  | 1353 (4439) | 1413 (4636) (3.09%) | 1353 (4439) | 1353 (4439) |
| RESA dimensions 80M X 60M commences from RWY end.                                                                      |      |             |                     |             |             |
| RWY 14/32 unlit OBST seasonal crop 90M N of RWY 14 8FT ABV CWY not taken into account in calculation of TODA or STODA. |      |             |                     |             |             |
| Slope 0.2% down to SE. RWY WID 30 RWS WID 90                                                                           |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |  |
|--------|-----------------|-----------------|-----------------|-----------------|--|
| RWY03- | 1251(4104)(1.6) | 1263(4144)(1.9) |                 |                 |  |
| RWY21- | 1009(3310)(3.3) |                 |                 |                 |  |
| RWY32- | 1214(3983)(1.6) | 1283(4209)(1.9) | 1332(4370)(2.2) | 1367(4485)(2.5) |  |

INVERELL

| RWY                                                                                                                                   | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 04                                                                                                                                    | (1)  | 700 (2297)  | 730 (2395) (4.5%)   | 700 (2297)  | 700 (2297)  |
| 22                                                                                                                                    | (1)  | 700 (2297)  | 730 (2395) (5.06%)  | 700 (2297)  | 700 (2297)  |
| Slope 1.2% down to SW. RWY WID 18 RWS WID 60 Graded 60                                                                                |      |             |                     |             |             |
| 16                                                                                                                                    | (3)  | 2114 (6936) | 2174 (7132) (3.66%) | 2114 (6936) | 2114 (6936) |
| 34                                                                                                                                    | (3)  | 2114 (6936) | 2174 (7132) (3.73%) | 2114 (6936) | 2114 (6936) |
| 1. TODA end GRAD and STODA based on 180M TKOF inner edge width with 12.5% diversion splays.                                           |      |             |                     |             |             |
| 2. APCH GRAD to THR 16 at N end is 3.30% and to THR 34 at S end is 3.0% for 150M APCH inner edge width with 15% diversion splays.     |      |             |                     |             |             |
| Slope Average 1.0% down to N and FM THR 34 down 0.64% for first 1329M and then down 1.55% to THR 16. RWY WID 30 RWS WID 150 Graded 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| RWY16- | 1348(4423)(1.6) | 1722(5650)(1.9) | 1898(6227)(2.2) | 2001(6565)(2.5) | 2135(7005)(3.3) |
| RWY34- | 1884(6181)(1.6) | 1958(6424)(1.9) | 2018(6621)(2.2) | 2068(6785)(2.5) | 2158(7080)(3.3) |

IRON BRIDGE MINE

| RWY                                                      | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 12                                                       | (3)  | 2500 (8202) | 2560 (8399) (1.75%) | 2500 (8202) | 2500 (8202) |
| 30                                                       | (3)  | 2500 (8202) | 2560 (8399) (1.4%)  | 2500 (8202) | 2500 (8202) |
| Slope 0.28% down to NW. RWY WID 30 RWS WID 150 Graded 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |  |  |  |  |
|--------|-----------------|--|--|--|--|
| RWY12- | 2541(8337)(1.6) |  |  |  |  |
|--------|-----------------|--|--|--|--|

IVANHOE

| RWY                                                    | (CN) | TORA        | TODA                | ASDA        | LDA         |
|--------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 09                                                     | (2)  | 1019 (3343) | 1079 (3540) (3.21%) | 1019 (3343) | 1019 (3343) |
| 27                                                     | (2)  | 1019 (3343) | 1079 (3540) (3.9%)  | 1019 (3343) | 1019 (3343) |
| Slope 0.34% down to E. RWY WID 30 RWS WID 90 Graded 90 |      |             |                     |             |             |
| 16                                                     | (1)  | 1245 (4085) | 1305 (4281) (3.97%) | 1245 (4085) | 1245 (4085) |
| 34                                                     | (1)  | 1245 (4085) | 1305 (4281) (1.2%)  | 1245 (4085) | 1245 (4085) |
| Slope 0.6% down to N. RWY WID 18 RWS WID 90 Graded 90  |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| RWY09- | 1008(3307)(1.6) | 1026(3366)(1.9) | 1044(3425)(2.2) | 1057(3468)(2.5) |                 |
| RWY27- | 868(2848)(1.6)  | 925(3035)(1.9)  | 959(3146)(2.2)  | 986(3235)(2.5)  | 1049(3442)(3.3) |
| RWY16- | 1152(3779)(1.6) | 1188(3898)(1.9) | 1215(3986)(2.2) | 1238(4062)(2.5) | 1287(4222)(3.3) |

JABIRU

| RWY                                                                               | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-----------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 09                                                                                | (2)  | 1402 (4600) | 1482 (4862) (3.8%)  | 1402 (4600) | 1402 (4600) |
| RESA dimensions 80M X 46M commences from RWY end.                                 |      |             |                     |             |             |
| 27                                                                                | (2)  | 1402 (4600) | 1482 (4862) (2.05%) | 1402 (4600) | 1402 (4600) |
| RESA dimensions 80M X 46M commences from RWY end.                                 |      |             |                     |             |             |
| 1. RWS 09/27 gable markers 80M.                                                   |      |             |                     |             |             |
| 2. RWY 09/27: CWY LEN x WID 80M x 90M.                                            |      |             |                     |             |             |
| Slope 630M W end 0.8% down to W, 772M E end 1.0% down to E. RWY WID 23 RWS WID 90 |      |             |                     |             |             |
| Graded 80                                                                         |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| RWY09- | 1341(4400)(1.6) | 1368(4488)(1.9) | 1388(4554)(2.2) | 1404(4606)(2.5) | 1463(4800)(3.3) |
| RWY27- | 1370(4495)(1.6) | 1447(4747)(1.9) |                 |                 |                 |

JACINTH AMBROSIA

| RWY                                                                                 | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 14                                                                                  | (3)  | 1800 (5905) | 1860 (6102) (3.01%) | 1800 (5905) | 1800 (5905) |
| RESA dimensions 90M X 60M commences from RWS end.                                   |      |             |                     |             |             |
| 32                                                                                  | (3)  | 1800 (5905) | 1860 (6102) (2.16%) | 1800 (5905) | 1800 (5905) |
| RESA dimensions 90M X 60M commences from RWS end.                                   |      |             |                     |             |             |
| TKOF GRAD RWY 14/32 based on 90M inner edge WID.                                    |      |             |                     |             |             |
| Slope West End 150M 0.82% down to E; East End 1.5% down to W. RWY WID 30 RWS WID 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |  |  |  |
|--------|-----------------|-----------------|--|--|--|
| RWY14- | 1296(4252)(2.2) | 1636(5367)(2.5) |  |  |  |
| RWY32- | 1784(5853)(1.6) | 1833(6014)(1.9) |  |  |  |

JULIA CREEK

| RWY                                           | (CN) | TORA        | TODA               | ASDA        | LDA         |
|-----------------------------------------------|------|-------------|--------------------|-------------|-------------|
| 10                                            | (3)  | 1402 (4600) | 1462 (4797) (1.2%) | 1402 (4600) | 1402 (4600) |
| 28                                            | (3)  | 1402 (4600) | 1462 (4797) (1.2%) | 1402 (4600) | 1402 (4600) |
| Slope Level. RWY WID 30 RWS WID 150 Graded 90 |      |             |                    |             |             |

JUNDEE

| RWY                                                                                | (CN) | TORA        | TODA                | ASDA        | LDA         |
|------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 08                                                                                 | (3)  | 2095 (6873) | 2155 (7070) (1.4%)  | 2095 (6873) | 2095 (6873) |
| RESA dimensions 90M X 60M commences from RWS end.                                  |      |             |                     |             |             |
| 26                                                                                 | (3)  | 2095 (6873) | 2155 (7070) (1.92%) | 2095 (6873) | 2095 (6873) |
| RESA dimensions 90M X 60M commences from RWS end.                                  |      |             |                     |             |             |
| 1. RWY 08 and 26 TKOF SFC infringed by fence 5FT, offset APRX 70M FM CL each side. |      |             |                     |             |             |
| 2. RWY 08/26 APCH inner edge length 150M.                                          |      |             |                     |             |             |
| Slope 0.09% down to E. RWY WID 30 RWS WID 150 Graded 90                            |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |  |  |  |
|--------|-----------------|-----------------|--|--|--|
| RWY26- | 2091(6860)(1.6) | 2152(7060)(1.9) |  |  |  |
|--------|-----------------|-----------------|--|--|--|

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KALBARRI

| RWY                                                    | (CN) | TORA        | TODA                | ASDA        | LDA         |
|--------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 18                                                     | (3)  | 1600 (5249) | 1660 (5446) (2.59%) | 1600 (5249) | 1600 (5249) |
| RESA dimensions 120M X 60M commences from RWY end.     |      |             |                     |             |             |
| 36                                                     | (3)  | 1600 (5249) | 1660 (5446) (2.31%) | 1600 (5249) | 1600 (5249) |
| RESA dimensions 90M X 60M commences from RWY end.      |      |             |                     |             |             |
| RWY 18/36 APCH and TKOF inner edge length 90M.         |      |             |                     |             |             |
| Slope 0.27% Down to N. RWY WID 30 RWS WID 90 Graded 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|
| RWY18- | 1562(5125)(1.6) | 1602(5256)(1.9) | 1631(5351)(2.2) | 1654(5426)(2.5) |
| RWY36- | 1628(5341)(1.6) | 1651(5417)(1.9) | 1658(5440)(2.2) |                 |

KALGOORLIE-BOULDER

| RWY                                                     | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 11                                                      | (4)  | 2000 (6562) | 2060 (6758) (2.07%) | 2000 (6562) | 2000 (6562) |
| RESA dimensions 90M X 90M commences from RWY end.       |      |             |                     |             |             |
| 29                                                      | (4)  | 2000 (6562) | 2060 (6758) (1.89%) | 2000 (6562) | 2000 (6562) |
| RESA dimensions 90M X 90M commences from RWY end.       |      |             |                     |             |             |
| Slope 0.8% down to E. RWY WID 45 RWS WID 300 Graded 150 |      |             |                     |             |             |
| 18                                                      | (1)  | 1200 (3937) | 1260 (4134) (3.59%) | 1200 (3937) | 1200 (3937) |
| RESA dimensions 90M X 35M commences from RWY end.       |      |             |                     |             |             |
| 36                                                      | (1)  | 1200 (3937) | 1260 (4134) (1.94%) | 1200 (3937) | 1200 (3937) |
| RESA dimensions 90M X 35M commences from RWY end.       |      |             |                     |             |             |
| Slope 0.5% down to N. RWY WID 18 RWS WID 90             |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|
| RWY11- | 1990(6529)(1.6) | 2037(6683)(1.9) |                 |                 |
| RWY29- | 1687(5535)(1.6) |                 |                 |                 |
| RWY18- | 857(2812)(1.9)  | 987(3238)(2.2)  | 1077(3533)(2.5) | 1224(4016)(3.3) |
| RWY36- | 1192(3911)(1.6) | 1252(4108)(1.9) |                 |                 |

KALKGURUNG

| RWY                                          | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 03                                           | (2)  | 1250 (4101) | 1310 (4298) (1.69%) | 1250 (4101) | 1250 (4101) |
| 21                                           | (2)  | 1250 (4101) | 1310 (4298) (1.2%)  | 1250 (4101) | 1250 (4101) |
| Slope 0.8% down to NE. RWY WID 18 RWS WID 90 |      |             |                     |             |             |
| 13                                           | (1)  | 956 (3136)  | 986 (3235) (1.46%)  | 956 (3136)  | 956 (3136)  |
| 31                                           | (1)  | 956 (3136)  | 986 (3235) (1.2%)   | 956 (3136)  | 956 (3136)  |
| Slope 1.1 down to SE. RWY WID 18 RWS WID 90  |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |  |  |  |
|--------|-----------------|--|--|--|
| RWY03- | 1301(4268)(1.6) |  |  |  |
|--------|-----------------|--|--|--|

KAMBALDA

| RWY                                                     | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 16                                                      | (3)  | 1800 (5905) | 1860 (6102) (5.3%)  | 1800 (5905) | 1800 (5905) |
| RESA dimensions 60M X 60M commences from RWS end.       |      |             |                     |             |             |
| 34                                                      | (3)  | 1800 (5905) | 1860 (6102) (3.21%) | 1800 (5905) | 1800 (5905) |
| RESA dimensions 60M X 60M commences from RWS end.       |      |             |                     |             |             |
| Slope 0.28% down to SE. RWY WID 30 RWS WID 90 Graded 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| RWY16- | 1451(4760)(1.6) | 1538(5046)(1.9) | 1605(5266)(2.2) | 1657(5436)(2.5) | 1753(5751)(3.3) |
|        | 1850(6069)(5.0) |                 |                 |                 |                 |
| RWY34- | 1259(4131)(1.6) | 1494(4902)(1.9) | 1630(5348)(2.2) | 1724(5656)(2.5) |                 |

KARARA

| RWY                                                                                           | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-----------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 12                                                                                            | (3)  | 1400 (4593) | 1460 (4790) (3.62%) | 1400 (4593) | 1400 (4593) |
| RESA dimensions 90M X 60M commences from RWS end.                                             |      |             |                     |             |             |
| 30                                                                                            | (3)  | 1400 (4593) | 1460 (4790) (3.54%) | 1400 (4593) | 1400 (4593) |
| RESA dimensions 90M X 60M commences from RWS end.                                             |      |             |                     |             |             |
| 1. OBST fence 5FT AGL adjacent RWY 12/30 offset APRX 70M FM CL each side. Infringes TKOF SFC. |      |             |                     |             |             |
| 2. RWY 12/30 APCH inner edge length 150M.                                                     |      |             |                     |             |             |
| Slope 0.16% down to NW. RWY WID 30 RWS WID 150 Graded 90                                      |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| RWY12- | 1119(3671)(1.6) | 1287(4222)(1.9) | 1384(4541)(2.2) | 1408(4619)(2.5) | 1448(4751)(3.3) |
| RWY30- | 1147(3763)(1.6) | 1234(4049)(1.9) | 1298(4258)(2.2) | 1348(4423)(2.5) | 1439(4721)(3.3) |

KARLAWINDA MINE

| RWY                                                     | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 01                                                      | (3)  | 2000 (6562) | 2060 (6758) (1.98%) | 2000 (6562) | 2000 (6562) |
| RESA dimensions 240M X 60M commences from RWY end.      |      |             |                     |             |             |
| 19                                                      | (3)  | 2000 (6562) | 2060 (6758) (1.65%) | 2000 (6562) | 2000 (6562) |
| RESA dimensions 240M X 60M commences from RWY end.      |      |             |                     |             |             |
| Slope 0.25% down to S. RWY WID 30 RWS WID 280 Graded 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |
|--------|-----------------|-----------------|
| RWY01- | 1972(6470)(1.6) | 2046(6713)(1.9) |
| RWY19- | 2044(6706)(1.6) |                 |

KARRATHA

| RWY                                                                                                                                | (CN) | TORA        | TODA                | ASDA        | LDA         |
|------------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 08                                                                                                                                 | (4)  | 2280 (7480) | 2340 (7677) (1.25%) | 2280 (7480) | 2280 (7480) |
| RESA dimensions 90M X 90M commences from RWS end.                                                                                  |      |             |                     |             |             |
| 26                                                                                                                                 | (4)  | 2280 (7480) | 2340 (7677) (1.56%) | 2280 (7480) | 2280 (7480) |
| RESA dimensions 90M X 90M commences from RWS end.                                                                                  |      |             |                     |             |             |
| 1. RWY 08/26 transitional SFC south side infringed by secondary illuminated WDI 100M FM RWY 26 THR, 160M FM CL. Infringes by 20FT. |      |             |                     |             |             |
| Slope 0.16% down to E. RWY WID 45 RWS WID 300 Graded 150                                                                           |      |             |                     |             |             |

TAXIWAY INTERSECTION DECLARED DISTANCES

|        |                  |                          |                               |
|--------|------------------|--------------------------|-------------------------------|
| RWY08- | TKOF from TWY B; | RWY remaining 1665(5463) | reduce all DIST by 615(2018)  |
| RWY08- | TKOF from TWY E; | RWY remaining 495(1624)  | reduce all DIST by 1785(5856) |
| RWY26- | TKOF from TWY B; | RWY remaining 670(2198)  | reduce all DIST by 1610(5282) |
| RWY26- | TKOF from TWY E; | RWY remaining 1828(5997) | reduce all DIST by 452(1483)  |

KARUMBA

| RWY                                                                                                                          | (CN) | TORA        | TODA                | ASDA        | LDA         |
|------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 03                                                                                                                           | (3)  | 1378 (4521) | 1438 (4718) (4.1%)  | 1378 (4521) | 1378 (4521) |
| RESA dimensions 90M X 60M commences from RWY end.                                                                            |      |             |                     |             |             |
| 21                                                                                                                           | (3)  | 1378 (4521) | 1438 (4718) (3.61%) | 1378 (4521) | 1378 (4521) |
| RESA dimensions 150M X 60M commences from RWY end.                                                                           |      |             |                     |             |             |
| 1. Unlit OBST fence 4FT ABV and 20M SE of RWS end has not been taken into account in the calculation of TODA GRAD and STODA. |      |             |                     |             |             |
| 2. Surveyed to 90M inner edge.                                                                                               |      |             |                     |             |             |
| Slope 0.05% down to SW. RWY WID 30 RWS WID 90                                                                                |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| RWY03- | 1186(3891)(1.6) | 1252(4108)(1.9) | 1300(4265)(2.2) | 1336(4383)(2.5) | 1402(4600)(3.3) |
| RWY21- | 923(3028)(1.6)  | 1080(3543)(1.9) | 1196(3924)(2.2) | 1284(4213)(2.5) | 1414(4639)(3.3) |

KATANNING

| RWY                                                | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 07                                                 | (1)  | 1500 (4921) | 1560 (5118) (1.77%) | 1500 (4921) | 1500 (4921) |
| RESA dimensions 120M X 80M commences from RWY end. |      |             |                     |             |             |
| 25                                                 | (1)  | 1500 (4921) | 1560 (5118) (2.21%) | 1500 (4921) | 1500 (4921) |
| RESA dimensions 100M X 80M commences from RWY end. |      |             |                     |             |             |
| Slope 0.16% down to E. RWY WID 23 RWS WID 90       |      |             |                     |             |             |
| 13                                                 | (1)  | 1001 (3284) | 1061 (3481) (3.13%) | 1001 (3284) | 1001 (3284) |
| RESA dimensions 120M X 60M commences from RWY end. |      |             |                     |             |             |
| 31                                                 | (1)  | 1001 (3284) | 1061 (3481) (2.84%) | 1001 (3284) | 1001 (3284) |
| RESA dimensions 100M X 60M commences from RWY end. |      |             |                     |             |             |
| Slope 0.22% down to SW. RWY WID 18 RWS WID 60      |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |  |
|--------|-----------------|-----------------|-----------------|--|
| RWY07- | 1487(4879)(1.6) |                 |                 |  |
| RWY25- | 1162(3812)(1.6) | 1392(4567)(1.9) | 1554(5098)(2.2) |  |
| RWY13- | 829(2720)(2.2)  | 920(3018)(2.5)  |                 |  |
| RWY31- | 844(2769)(1.9)  | 935(3068)(2.2)  | 1003(3291)(2.5) |  |

KEMPSEY

| RWY                                                                                     | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-----------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 04                                                                                      | (2)  | 1643 (5390) | 1703 (5587) (2.3%)  | 1643 (5390) | 1643 (5390) |
| RESA dimensions 60M X 60M commences from RWY end.                                       |      |             |                     |             |             |
| 22                                                                                      | (2)  | 1643 (5390) | 1703 (5587) (4.07%) | 1643 (5390) | 1643 (5390) |
| RESA dimensions 60M X 60M commences from RWY end.                                       |      |             |                     |             |             |
| Slope 0.4% 340M down to SW, 0.5% 450M down to NE, LVL 850M to NE. RWY WID 30 RWS WID 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|
| RWY04- | 1501(4924)(1.6) | 1623(5325)(1.9) | 1696(5564)(2.2) |                 |
| RWY22- | 927(3041)(1.9)  | 1128(3701)(2.2) | 1279(4196)(2.5) | 1546(5072)(3.3) |

KENS BORE

| RWY                                                      | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 14                                                       | (3)  | 2100 (6890) | 2160 (7087) (1.43%) | 2100 (6890) | 2100 (6890) |
| RESA dimensions 240M X 60M commences from RWS end.       |      |             |                     |             |             |
| 32                                                       | (3)  | 2100 (6890) | 2160 (7087) (1.97%) | 2100 (6890) | 2100 (6890) |
| RESA dimensions 240M X 60M commences from RWS end.       |      |             |                     |             |             |
| Slope 0.1% down to SE. RWY WID 30 RWS WID 280 Graded 150 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |  |  |
|--------|-----------------|-----------------|--|--|
| RWY32- | 2059(6755)(1.6) | 2147(7044)(1.9) |  |  |
|--------|-----------------|-----------------|--|--|

KERANG

| RWY                                                                                                                                | (CN) | TORA        | TODA                | ASDA        | LDA         |
|------------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 05                                                                                                                                 | (1)  | 691 (2267)  | 751 (2464) (2.14%)  | 691 (2267)  | 691 (2267)  |
| 23                                                                                                                                 | (1)  | 691 (2267)  | 751 (2464) (1.86%)  | 691 (2267)  | 691 (2267)  |
| Slope Level. RWY WID 18 RWS WID 90                                                                                                 |      |             |                     |             |             |
| 14                                                                                                                                 | (1)  | 1067 (3501) | 1127 (3697) (2.85%) | 1067 (3501) | 1067 (3501) |
| Unlit OBST fence 2.8FT ABV and 2M S of RWS end has not been taken into account in the calculation of TODA GRAD and STODA.          |      |             |                     |             |             |
| 32                                                                                                                                 | (1)  | 1067 (3501) | 1127 (3697) (3.46%) | 1067 (3501) | 1067 (3501) |
| 1. CAUTION: 3.33% obstacle clearance APCH surface on RWY 32 terminates at RWY end THR not RWS end.                                 |      |             |                     |             |             |
| 2. Transient OBST up to 14.1FT ABV and 97M N of RWS end has not been taken into account in the calculation of TODA GRAD and STODA. |      |             |                     |             |             |
| 3. LDG RWY 32 - Unlit OBST fence 2.8FT ABV and 2M S of RWS end.                                                                    |      |             |                     |             |             |
| Slope Level. RWY WID 18 RWS WID 90                                                                                                 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                |                 |                 |
|--------|----------------|-----------------|-----------------|
| RWY14- | 903(2963)(1.9) | 995(3264)(2.2)  | 1065(3494)(2.5) |
| RWY32- | 936(3071)(2.5) | 1106(3629)(3.3) |                 |

KIMBA

| RWY                                                                                                               | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 03                                                                                                                | (2)  | 1580 (5184) | 1640 (5381) (1.6%)  | 1580 (5184) | 1580 (5184) |
| RESA dimensions 90M X 60M commences from RWY end.                                                                 |      |             |                     |             |             |
| 21                                                                                                                | (2)  | 1580 (5184) | 1640 (5381) (2.87%) | 1580 (5184) | 1580 (5184) |
| RESA dimensions 90M X 60M commences from RWY end.                                                                 |      |             |                     |             |             |
| 1. OBST fence 5FT ABV and 30M W of RWS has not been taken into account in the calculation of TODA GRAD and STODA. |      |             |                     |             |             |
| 2. 3.3% OBST clear APCH landing RWY 03 terminates at THR not RWS.                                                 |      |             |                     |             |             |
| Slope 0.3% down to NE. RWY WID 30 RWS WID 90                                                                      |      |             |                     |             |             |
| 15                                                                                                                | (2)  | 1112 (3648) | 1172 (3845) (1.2%)  | 1112 (3648) | 1112 (3648) |
| 33                                                                                                                | (2)  | 1112 (3648) | 1172 (3845) (2.23%) | 1112 (3648) | 1112 (3648) |
| Slope 0.2% down to NW. RWY WID 30 RWS WID 90                                                                      |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|
| RWY21- | 1309(4295)(1.6) | 1444(4737)(1.9) | 1531(5023)(2.2) | 1605(5266)(2.5) |
| RWY33- | 1056(3465)(1.6) | 1115(3658)(1.9) | 1168(3832)(2.2) |                 |

KING ISLAND

| RWY                                                                                                              | (CN) | TORA        | TODA                | ASDA        | LDA         |
|------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 10                                                                                                               | (3)  | 1585 (5200) | 1645 (5397) (2.46%) | 1585 (5200) | 1585 (5200) |
| RESA dimensions 60M X 30M commences from RWY end.                                                                |      |             |                     |             |             |
| OBST fence 108FT AMSL BRG 101 MAG 911M FM ARP not taken into account in calculation of TODA GRAD and STODA.      |      |             |                     |             |             |
| 28                                                                                                               | (3)  | 1585 (5200) | 1645 (5397) (1.2%)  | 1585 (5200) | 1585 (5200) |
| RESA dimensions 60M X 30M commences from RWY end.                                                                |      |             |                     |             |             |
| OBST fence 130FT AMSL BRG 297 MAG 894M FM ARP not taken into account in calculation of TODA GRAD and STODA.      |      |             |                     |             |             |
| Slope 0.33% down to the W and 0.45% down to the E. Highest point 660M FM W end. RWY WID 30 RWS WID 150 Graded 90 |      |             |                     |             |             |
| 17                                                                                                               | (2)  | 1105 (3625) | 1165 (3822) (4.37%) | 1105 (3625) | 1105 (3625) |
| RESA dimensions 60M X 30M commences from RWY end.                                                                |      |             |                     |             |             |
| 35                                                                                                               | (2)  | 1105 (3625) | 1165 (3822) (3.51%) | 1105 (3625) | 1105 (3625) |
| RESA dimensions 60M X 30M commences from RWY end.                                                                |      |             |                     |             |             |
| Slope 0.9% down to N. RWY WID 30 RWS WID 90                                                                      |      |             |                     |             |             |



SUPPLEMENTARY TAKEOFF DISTANCES

RWY10- 1307(4288)(1.6) 1465(4806)(1.9) 1588(5210)(2.2)  
RWY17- 1068(3504)(2.2) 1099(3606)(2.5) 1139(3737)(3.3)  
RWY35- 1053(3455)(1.6) 1080(3543)(1.9) 1102(3615)(2.2) 1122(3681)(2.5) 1158(3799)(3.3)

KINGAROY

| RWY                                                                        | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 05                                                                         | (2)  | 1303 (4275) | 1363 (4472) (3.89%) | 1303 (4275) | 1303 (4275) |
| RESA dimensions 60M X 60M commences from RWY end.                          |      |             |                     |             |             |
| 23                                                                         | (2)  | 1303 (4275) | 1363 (4472) (4.5%)  | 1303 (4275) | 1303 (4275) |
| RESA dimensions 60M X 60M commences from RWY end.                          |      |             |                     |             |             |
| Slope 1.3% down to SW. RWY WID 30 RWS WID 90                               |      |             |                     |             |             |
| 16                                                                         | (3)  | 1600 (5249) | 1660 (5446) (6.34%) | 1600 (5249) | 1600 (5249) |
| RESA dimensions 60M X 60M commences from RWS end.                          |      |             |                     |             |             |
| Critical OBST 4FT high levee bank 20M out and 67M left FM RWS extended CL. |      |             |                     |             |             |
| 34                                                                         | (3)  | 1600 (5249) | 1660 (5446) (4.52%) | 1600 (5249) | 1600 (5249) |
| RESA dimensions 60M X 60M commences from RWS end.                          |      |             |                     |             |             |
| Slope 0.9% down to N. RWY WID 30 RWS WID 150 Graded 90                     |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY16- 1189(3901)(1.9) 1388(4554)(2.2) 1456(4777)(2.5) 1553(5095)(3.3) 1633(5358)(5.0)  
RWY34- 1329(4360)(1.6) 1394(4573)(1.9) 1447(4747)(2.2) 1491(4892)(2.5) 1577(5174)(3.3)

KINGSCOTE/KANGAROO ISLAND

| RWY                                                                | (CN) | TORA        | TODA                | ASDA        | LDA         |
|--------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 01                                                                 | (3)  | 1815 (5955) | 1875 (6152) (2.19%) | 1815 (5955) | 1815 (5955) |
| RESA 90M X 60M commences from RWS end.                             |      |             |                     |             |             |
| TKOF RWY 01 OBST. Transient vehicles 17FT ABV and 145M FM RWS end. |      |             |                     |             |             |
| 19                                                                 | (3)  | 1815 (5955) | 1875 (6152) (2.33%) | 1815 (5955) | 1815 (5955) |
| RESA 90M X 60M commences from RWS end.                             |      |             |                     |             |             |
| Slope Level. RWY WID 30 RWS WID 150 Graded 90                      |      |             |                     |             |             |
| 06                                                                 | (2)  | 1134 (3720) | 1194 (3917) (3.55%) | 1134 (3720) | 1134 (3720) |
| RESA 90M X 60M commences from RWY end.                             |      |             |                     |             |             |
| 24                                                                 | (2)  | 1134 (3720) | 1194 (3917) (2.76%) | 1134 (3720) | 1134 (3720) |
| RESA 90M X 60M commences from RWY end.                             |      |             |                     |             |             |
| Slope 0.1% down to NE. RWY WID 30 RWS WID 90                       |      |             |                     |             |             |
| 15                                                                 | (2)  | 1384 (4541) | 1459 (4787) (2.99%) | 1384 (4541) | 1384 (4541) |
| RESA 90M X 60M commences from RWY end.                             |      |             |                     |             |             |
| 33                                                                 | (2)  | 1384 (4541) | 1444 (4737) (3.84%) | 1384 (4541) | 1384 (4541) |
| RESA 90M X 60M commences from RWY end.                             |      |             |                     |             |             |
| Slope Level. RWY WID 30 RWS WID 90                                 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY01- 1740(5709)(1.6) 1836(6024)(1.9)  
RWY19- 1653(5423)(1.6) 1769(5804)(1.9) 1848(6063)(2.2)  
RWY06- 809(2654)(1.9) 919(3015)(2.2) 1005(3297)(2.5) 1164(3819)(3.3)  
RWY24- 988(3241)(1.6) 1068(3504)(1.9) 1125(3691)(2.2) 1166(3825)(2.5)  
RWY15- 1019(3343)(1.6) 1184(3884)(1.9) 1304(4278)(2.2) 1395(4577)(2.5)  
RWY33- 997(3271)(2.2) 1140(3740)(2.5) 1417(4649)(3.3)

KOOLAN ISLAND/KOOLAN CENTRAL

| RWY                                                                                                                                                     | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 11                                                                                                                                                      | (3)  | 2100 (6890) | 2160 (7087) (1.81%) | 2100 (6890) | 2100 (6890) |
| RESA dimensions 90M X 60M commences from RWS end.                                                                                                       |      |             |                     |             |             |
| 29                                                                                                                                                      | (3)  | 2100 (6890) | 2160 (7087) (1.2%)  | 2100 (6890) | 2100 (6890) |
| RESA dimensions 90M X 60M commences from RWS end.                                                                                                       |      |             |                     |             |             |
| RWY 11/29 APCH inner edge length 150M.                                                                                                                  |      |             |                     |             |             |
| Slope 0.34% down to E. Slope rises 0.223% FM THR RWY 11 and rises 0.79% FM THR RWY 29. Highest point in centre of RWY. RWY WID 30 RWS WID 150 Graded 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY11- 2089(6854)(1.6)

KOWANYAMA

| RWY                                                                                    | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 12                                                                                     | (2)  | 1380 (4528) | 1440 (4724) (2.81%) | 1380 (4528) | 1380 (4528) |
| 30                                                                                     | (2)  | 1380 (4528) | 1440 (4724) (2.43%) | 1380 (4528) | 1380 (4528) |
| 1. TNS N side infringed by trees 1,000M W end, trees LOC 100M FM RCL infringe by 10FT. |      |             |                     |             |             |
| Slope Level. RWY WID 30 RWS WID 90                                                     |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY12- 841(2759)(1.6) 1067(3501)(1.9) 1224(4016)(2.2) 1344(4409)(2.5)  
RWY30- 1228(4029)(1.6) 1320(4331)(1.9) 1394(4573)(2.2)

KUNUNURRA

| RWY                                                       | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-----------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 12                                                        | (3)  | 1829 (6001) | 1889 (6197) (3.03%) | 1829 (6001) | 1829 (6001) |
| 30                                                        | (3)  | 1829 (6001) | 1889 (6197) (1.45%) | 1829 (6001) | 1829 (6001) |
| 1. RWY 30 TKOF terrain 15,780M FM TODA end 1027FT ABV AD. |      |             |                     |             |             |
| 2. RWY 12/30 APCH inner edge length 150M.                 |      |             |                     |             |             |
| Slope 0.1% down to NW. RWY WID 30 RWS WID 150             |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY12- 1420(4659)(1.6) 1580(5184)(1.9) 1694(5558)(2.2) 1780(5840)(2.5)

**LAKE CARGELLIGO**

| RWY                                                                                  | (CN) | TORA        | TODA                | ASDA        | LDA         |
|--------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 05                                                                                   | (2)  | 1200 (3937) | 1260 (4134) (1.58%) | 1200 (3937) | 1200 (3937) |
| RESA dimensions 60M X 90M commences from RWY end.                                    |      |             |                     |             |             |
| 23                                                                                   | (2)  | 1200 (3937) | 1260 (4134) (2.3%)  | 1200 (3937) | 1200 (3937) |
| RESA dimensions 60M X 90M commences from RWY end.                                    |      |             |                     |             |             |
| 12                                                                                   | (2)  | 879 (2884)  | 939 (3081) (3.04%)  | 879 (2884)  | 879 (2884)  |
| RESA dimensions 60M X 90M commences from RWY end.                                    |      |             |                     |             |             |
| 30                                                                                   | (2)  | 879 (2884)  | 939 (3081) (1.99%)  | 879 (2884)  | 879 (2884)  |
| RESA dimensions 60M X 90M commences from RWY end.                                    |      |             |                     |             |             |
| Slope Initial 350M 0.8% down to NW, remainder 0.3% down to NW. RWY WID 23 RWS WID 90 |      |             |                     |             |             |

**SUPPLEMENTARY TAKEOFF DISTANCES**

|        |                |                 |                |                |  |
|--------|----------------|-----------------|----------------|----------------|--|
| RWY23- | 992(3255)(1.9) | 1236(4055)(2.2) |                |                |  |
| RWY12- | 844(2769)(1.6) | 891(2923)(1.9)  | 909(2982)(2.2) | 922(3025)(2.5) |  |
| RWY30- | 849(2785)(1.6) | 920(3018)(1.9)  |                |                |  |

**LAKE EVELLA**

| RWY                                         | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 08                                          | (1)  | 1065 (3494) | 1125 (3691) (1.46%) | 1065 (3494) | 1065 (3494) |
| 26                                          | (1)  | 1065 (3494) | 1125 (3691) (3.4%)  | 1065 (3494) | 1065 (3494) |
| Slope 0.5% down to W. RWY WID 18 RWS WID 80 |      |             |                     |             |             |

**SUPPLEMENTARY TAKEOFF DISTANCES**

|        |                |                |                 |                 |                 |
|--------|----------------|----------------|-----------------|-----------------|-----------------|
| RWY26- | 936(3071)(1.6) | 981(3218)(1.9) | 1019(3343)(2.2) | 1051(3448)(2.5) | 1117(3665)(3.3) |
|--------|----------------|----------------|-----------------|-----------------|-----------------|

**LATROBE VALLEY**

| RWY                                                                                                                                                                     | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 03                                                                                                                                                                      | (2)  | 1430 (4692) | 1490 (4888) (3.01%) | 1430 (4692) | 1430 (4692) |
| RESA dimensions 68M X 90M commences from RWY end.                                                                                                                       |      |             |                     |             |             |
| 21                                                                                                                                                                      | (2)  | 1430 (4692) | 1490 (4888) (2.68%) | 1430 (4692) | 1430 (4692) |
| RESA dimensions 60M X 90M commences from RWY end.                                                                                                                       |      |             |                     |             |             |
| 1. Approaches RWY 03/21 based on 90 RWS WID.                                                                                                                            |      |             |                     |             |             |
| 2. RWY 03/21 TKOF SFC survey based on 180M RWS/inner edge.                                                                                                              |      |             |                     |             |             |
| 3. CAUTION: Transient OBST 13FT ABV and 51M NE of RWS end, and OBST - Fence 4.6FT ABV and 38M FM RWS end, not taken into account in calculation of TODA GRAD and STODA. |      |             |                     |             |             |
| 4. RWY 21 3.3% OBST CLR APCH SFC for LDG terminates at THR, not RWS end.                                                                                                |      |             |                     |             |             |
| 5. LDG RWY 21 - Transient OBST 13FT ABV and 51M NW of RWS end, and OBST fence 4.6FT ABV and 38M NE of RWS end.                                                          |      |             |                     |             |             |
| Slope 0.4% down to SW. RWY WID 23 RWS WID 90                                                                                                                            |      |             |                     |             |             |
| 09                                                                                                                                                                      | (1)  | 919 (3015)  | 978 (3209) (4.03%)  | 919 (3015)  | 919 (3015)  |
| RESA dimensions 60M X 90M commences from RWY end.                                                                                                                       |      |             |                     |             |             |
| RWY 09 N side transitional SFC infringed                                                                                                                                |      |             |                     |             |             |
| 27                                                                                                                                                                      | (1)  | 919 (3015)  | 978 (3209) (3.99%)  | 919 (3015)  | 919 (3015)  |
| RESA dimensions 60M X 90M commences from RWY end.                                                                                                                       |      |             |                     |             |             |
| Slope FM E 0.3% down to TWY, from TWY 1.0% down to W end. RWY WID 18 RWS WID 90                                                                                         |      |             |                     |             |             |

**SUPPLEMENTARY TAKEOFF DISTANCES**

|        |                 |                 |                 |                 |  |
|--------|-----------------|-----------------|-----------------|-----------------|--|
| RWY03- | 1061(3481)(1.6) | 1186(3891)(1.9) | 1301(4268)(2.2) | 1388(4554)(2.5) |  |
| RWY21- | 919(3015)(1.6)  | 1095(3592)(1.9) | 1276(4186)(2.2) | 1417(4649)(2.5) |  |
| RWY09- | 853(2799)(3.3)  |                 |                 |                 |  |
| RWY27- | 871(2858)(3.3)  |                 |                 |                 |  |

LAUNCESTON

| RWY                                                    | (CN) | TORA        | TODA                | ASDA        | LDA         |
|--------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 14R                                                    | (4)  | 1981 (6499) | 2041 (6696) (2.04%) | 1981 (6499) | 1981 (6499) |
| RESA dimensions 90M X 90M commences from RWY end.      |      |             |                     |             |             |
| 32L                                                    | (4)  | 1981 (6499) | 2041 (6696) (2.34%) | 1981 (6499) | 1981 (6499) |
| RESA dimensions 60M X 60M commences from RWY end.      |      |             |                     |             |             |
| Slope 0.3% ends down to centre. RWY WID 45 RWS WID 150 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY14R- 1834(6017)(1.6) 2004(6575)(1.9)  
RWY32L- 1299(4262)(1.6) 1973(6473)(1.9) 2033(6670)(2.2)

LAVERTON

| RWY                                               | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 07                                                | (3)  | 1800 (5905) | 1860 (6102) (2.71%) | 1800 (5905) | 1800 (5905) |
| RESA dimensions 50M X 60M commences from RWY end. |      |             |                     |             |             |
| 25                                                | (3)  | 1800 (5905) | 1860 (6102) (1.46%) | 1800 (5905) | 1800 (5905) |
| RESA dimensions 50M X 60M commences from RWY end. |      |             |                     |             |             |
| Slope 0.3% down to SW. RWY WID 30 RWS WID 90      |      |             |                     |             |             |
| 16                                                | (2)  | 919 (3015)  | 979 (3212) (2.17%)  | 919 (3015)  | 919 (3015)  |
| 34                                                | (2)  | 919 (3015)  | 979 (3212) (1.66%)  | 919 (3015)  | 919 (3015)  |
| Slope 0.2% down to N. RWY WID 30 RWS WID 90       |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY07- 1634(5361)(1.6) 1726(5663)(1.9) 1789(5869)(2.2) 1835(6020)(2.5)  
RWY16- 899(2949)(1.6) 946(3104)(1.9)  
RWY34- 968(3176)(1.6)

LEARMONTH

| RWY                                           | (CN) | TORA        | TODA                 | ASDA        | LDA         |
|-----------------------------------------------|------|-------------|----------------------|-------------|-------------|
| 18                                            | (4)  | 3047 (9997) | 3352 (10997) (2.85%) | 3047 (9997) | 3047 (9997) |
| 36                                            | (4)  | 3047 (9997) | 3352 (10997) (1.2%)  | 3047 (9997) | 3047 (9997) |
| TKOF Climb SFC Inner edge WID 180.            |      |             |                      |             |             |
| Slope 0.06% down to N. RWY WID 45 RWS WID 150 |      |             |                      |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY18- 3236(10617)(1.6) 3278(10754)(1.9) 3308(10853)(2.2) 3331(10928)(2.5)

TAXIWAY INTERSECTION DECLARED DISTANCES

|        |                  |                          |                               |
|--------|------------------|--------------------------|-------------------------------|
| RWY18- | TKOF from TWY F; | RWY remaining 2234(7329) | reduce all DIST by 813(2667)  |
| RWY18- | TKOF from TWY G; | RWY remaining 1379(4524) | reduce all DIST by 1668(5472) |
| RWY18- | TKOF from TWY W; | RWY remaining 829(2720)  | reduce all DIST by 2218(7277) |
| RWY36- | TKOF from TWY G; | RWY remaining 1683(5522) | reduce all DIST by 1364(4475) |
| RWY36- | TKOF from TWY W; | RWY remaining 2238(7342) | reduce all DIST by 809(2654)  |

LEIGH CREEK

| RWY                                                                                   | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 02                                                                                    | (2)  | 1219 (3999) | 1279 (4196) (1.2%)  | 1219 (3999) | 1219 (3999) |
| RESA dimensions 60M X 60M commences from RWY end.                                     |      |             |                     |             |             |
| 20                                                                                    | (2)  | 1219 (3999) | 1279 (4196) (1.91%) | 1219 (3999) | 1219 (3999) |
| RESA dimensions 60M X 60M commences from RWY end.                                     |      |             |                     |             |             |
| Slope 0.3% down centre to NE, 0.2% down centre to SW. RWY WID 18 RWS WID 90           |      |             |                     |             |             |
| 11                                                                                    | (2)  | 1710 (5610) | 1770 (5807) (3.15%) | 1710 (5610) | 1710 (5610) |
| RESA dimensions 60M X 60M commences from RWY end.                                     |      |             |                     |             |             |
| 29                                                                                    | (2)  | 1710 (5610) | 1770 (5807) (1.2%)  | 1710 (5610) | 1710 (5610) |
| RESA dimensions 60M X 60M commences from RWY end.                                     |      |             |                     |             |             |
| Slope 0.2% down NW to centre; 0.1% down SE to centre. RWY WID 30 RWS WID 90 Graded 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |  |
|--------|-----------------|-----------------|-----------------|-----------------|--|
| RWY20- | 950(3117)(1.6)  | 1278(4193)(1.9) |                 |                 |  |
| RWY11- | 1650(5413)(1.6) | 1698(5571)(1.9) | 1724(5656)(2.2) | 1742(5715)(2.5) |  |

LEINSTER

| RWY                                                                          | (CN) | TORA        | TODA                | ASDA        | LDA         |
|------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 10                                                                           | (3)  | 1800 (5905) | 1860 (6102) (3.26%) | 1800 (5905) | 1800 (5905) |
| RESA dimensions 90M X 60M commences from RWS end.                            |      |             |                     |             |             |
| 28                                                                           | (3)  | 1800 (5905) | 1860 (6102) (1.58%) | 1800 (5905) | 1800 (5905) |
| RESA dimensions 90M X 60M commences from RWS end.                            |      |             |                     |             |             |
| APCH inner edge length 150M.                                                 |      |             |                     |             |             |
| Slope 0.1% down to W, E end 0.1% down to E. RWY WID 30 RWS WID 150 Graded 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |  |
|--------|-----------------|-----------------|-----------------|-----------------|--|
| RWY10- | 1601(5253)(1.6) | 1682(5518)(1.9) | 1740(5709)(2.2) | 1784(5853)(2.5) |  |
|--------|-----------------|-----------------|-----------------|-----------------|--|

LEONORA

| RWY                                                                   | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-----------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 04                                                                    | (3)  | 2018 (6621) | 2078 (6818) (2.39%) | 2018 (6621) | 2018 (6621) |
| 22                                                                    | (3)  | 2018 (6621) | 2078 (6818) (2.45%) | 2018 (6621) | 2018 (6621) |
| Slope 0.3% down to SW. RWY WID 30 RWS WID 150 Graded 90               |      |             |                     |             |             |
| 12                                                                    | (2)  | 1140 (3740) | 1200 (3937) (3.13%) | 1140 (3740) | 1140 (3740) |
| 30                                                                    | (2)  | 1140 (3740) | 1200 (3937) (3.38%) | 1140 (3740) | 1140 (3740) |
| Slope 0.2% down to NW. Length of TKOF SFC 7500. RWY WID 30 RWS WID 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |  |
|--------|-----------------|-----------------|-----------------|-----------------|--|
| RWY04- | 1794(5886)(1.6) | 1934(6345)(1.9) | 2030(6660)(2.2) |                 |  |
| RWY22- | 1930(6332)(1.6) | 1996(6548)(1.9) | 2046(6713)(2.2) |                 |  |
| RWY12- | 848(2782)(2.2)  | 993(3258)(2.5)  |                 |                 |  |
| RWY30- | 1021(3350)(1.6) | 1072(3517)(1.9) | 1111(3645)(2.2) | 1141(3743)(2.5) |  |

LIGHTNING RIDGE

| RWY                                               | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 04                                                | (2)  | 733 (2405)  | 793 (2602) (5.72%)  | 733 (2405)  | 733 (2405)  |
| 22                                                | (2)  | 733 (2405)  | 793 (2602) (2.24%)  | 733 (2405)  | 733 (2405)  |
| Slope 0.7% down to SW. RWY WID 30 RWS WID 90      |      |             |                     |             |             |
| 10                                                | (1)  | 1506 (4941) | 1566 (5138) (3.17%) | 1506 (4941) | 1506 (4941) |
| 28                                                | (1)  | 1506 (4941) | 1566 (5138) (3.22%) | 1506 (4941) | 1506 (4941) |
| RESA dimensions 60M X 36M commences from RWS end. |      |             |                     |             |             |
| Slope 0.4% down to W. RWY WID 18 RWS WID 90       |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |  |
|--------|-----------------|-----------------|-----------------|-----------------|--|
| RWY10- | 1466(4810)(1.6) | 1508(4947)(1.9) | 1528(5013)(2.2) | 1543(5062)(2.5) |  |
| RWY28- | 1172(3845)(1.6) | 1369(4491)(1.9) | 1436(4711)(2.2) | 1487(4879)(2.5) |  |

LISMORE

| RWY                                                                                                                                                                                                                                                                                                                                                                                             | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 15                                                                                                                                                                                                                                                                                                                                                                                              | (3)  | 1647 (5403) | 1707 (5600) (4%)    | 1647 (5403) | 1647 (5403) |
| RESA dimensions 60M X 60M commences from RWY end.<br>Caution: Transient OBST up to 19.3FT ABV and 161M SE of RWS end is not taken account in the calculation of TODA GRAD or STODA.                                                                                                                                                                                                             |      |             |                     |             |             |
| 33                                                                                                                                                                                                                                                                                                                                                                                              | (3)  | 1647 (5403) | 1707 (5600) (2.66%) | 1647 (5403) | 1647 (5403) |
| RESA dimensions 60M X 60M commences from RWY end.<br>1. Horizontal SFC significantly infringed; caution night circling.<br>2. CAUTION: Unlit OBST fence at RWY 33 TODA end 2.8FT ABV RWY, has not been taken into account in the calculation of TODA GRAD and STODA.<br>3. Side transitions infringed. Marked by obstruction lights.<br>Slope 0.1% down to SE. RWY WID 30 RWS WID 150 Graded 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY15- 972(3189)(1.9) 1393(4570)(2.2) 1476(4842)(2.5) 1625(5331)(3.3)  
RWY33- 1379(4524)(2.5)

LOCKHART RIVER

| RWY                                                                                                                                                                                                                                                                                      | (CN) | TORA        | TODA                | ASDA        | LDA         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 12                                                                                                                                                                                                                                                                                       | (3)  | 1500 (4921) | 1560 (5118) (2.22%) | 1500 (4921) | 1500 (4921) |
| RESA dimensions 90M X 90M commences from RWS end.                                                                                                                                                                                                                                        |      |             |                     |             |             |
| 30                                                                                                                                                                                                                                                                                       | (3)  | 1500 (4921) | 1560 (5118) (2.41%) | 1500 (4921) | 1500 (4921) |
| RESA dimensions 90M X 90M commences from RWS end.<br>1. RWY reference code based on 90M TKOF inner edge WID.<br>2. CAUTION: Transitional SFC infringed by tree growth each side on SE end of RWY.<br>3. RWY 30 Extent of TKOF SFC 7500M.<br>Slope 0.6% down to NW. RWY WID 30 RWS WID 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY12- 1208(3963)(1.6) 1434(4705)(1.9) 1551(5089)(2.2)  
RWY30- 1270(4167)(2.2)

LONGREACH

| RWY                                                                                                                                                                                                                                                                                                                                                                                                                                                 | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 04                                                                                                                                                                                                                                                                                                                                                                                                                                                  | (3)  | 1936 (6352) | 2036 (6680) (1.2%)  | 1936 (6352) | 1936 (6352) |
| RESA dimensions 90M X 60M commences from RWS end.<br>RWY 04 approach side transition SFC E side infringed by hangar. 140M FM CL, infringed by 8FT marked by red OBST LGT.                                                                                                                                                                                                                                                                           |      |             |                     |             |             |
| 22                                                                                                                                                                                                                                                                                                                                                                                                                                                  | (3)  | 1936 (6352) | 2056 (6745) (2.87%) | 1936 (6352) | 1936 (6352) |
| RESA dimensions 90M X 60M commences from RWS end.<br>1. RWY 04/22 OBST TKOF SFC survey based on 180M inner edge WID.<br>2. OBST fence 11FT ABV and 105M S of RWS end centreline not taken into account in determination of TODA gradient and STODA.<br>3. Caution: NE end unlit OBST levee 4FT ABV and 88M SE of RWS CL has not been taken into account in the calculation of TODA GRAD and STODA.<br>Slope Level. RWY WID 30 RWS WID 150 Graded 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY22- 1739(5705)(1.6) 1885(6184)(1.9) 1967(6453)(2.2) 2015(6611)(2.5)

TAXIWAY INTERSECTION DECLARED DISTANCES

RWY04- TKOF from TWY C; RWY remaining 1873(6145) reduce all DIST by 63(207)

LORD HOWE ISLAND

| RWY                                                                                                                                                                                 | (CN) | TORA       | TODA               | ASDA       | LDA        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------|--------------------|------------|------------|
| 10                                                                                                                                                                                  | (2)  | 888 (2913) | 948 (3110) (9.46%) | 888 (2913) | 888 (2913) |
| RESA dimensions 30M X 60M commences from RWY end.                                                                                                                                   |      |            |                    |            |            |
| 28                                                                                                                                                                                  | (2)  | 888 (2913) | 948 (3110) (1.6%)  | 888 (2913) | 785 (2575) |
| RESA dimensions 30M X 60M commences from RWY end.                                                                                                                                   |      |            |                    |            |            |
| 1. RWY 28 DTHR 103M (338FT).                                                                                                                                                        |      |            |                    |            |            |
| 2. TORA is the LEN FM TKOF 10 end bar to TKOF 28 end bar. 60M sealed CWY provided to each end beyond TKOF end bars.                                                                 |      |            |                    |            |            |
| 3. If SOT FM sealed RWS CWY end bar, then add 60M to TORA, TODA, ASDA and STODA.                                                                                                    |      |            |                    |            |            |
| 4. RWY 10 TKOF critical 8.6% TODA end GRAD based on sand dune 50M (998M SOT) out FM and 47M left of E RWS end.                                                                      |      |            |                    |            |            |
| 5. Critical APCH GRAD to 103M DISP THR 28 is 2.98% over the traversing sand dune, and trees at 3.8% on a hillside 1206M out FM E RWS CWY end and 206M left of APCH to the E THR 28. |      |            |                    |            |            |
| 6. RWY 28 TKOF critical 1.6% TODA end GRAD and STODA ignore 3FT high sea wall 20M (968M SOT) out FM and 39M right of W RWS end.                                                     |      |            |                    |            |            |
| 7. Several significant transitional and inner horizontal OLS terrain infringements exist to both sides of the RWS.                                                                  |      |            |                    |            |            |
| 8. Beware, an anemometer about 260M back FM and 65M right of APCH to the W RWS end as it infringes the transitional OLS by 22FT.                                                    |      |            |                    |            |            |
| Slope Level. RWY WID 30 RWS WID 90                                                                                                                                                  |      |            |                    |            |            |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY10- 853(2799)(3.3) 907(2976)(5.0)

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**MACKAY**

| <b>RWY</b>                                        | <b>(CN)</b> | <b>TORA</b> | <b>TODA</b>         | <b>ASDA</b> | <b>LDA</b>  |
|---------------------------------------------------|-------------|-------------|---------------------|-------------|-------------|
| 14                                                | (4)         | 1981 (6499) | 2041 (6696) (2.14%) | 1981 (6499) | 1981 (6499) |
| RESA dimensions 90M X 90M commences from RWY end. |             |             |                     |             |             |
| 32                                                | (4)         | 1981 (6499) | 2041 (6696) (2.13%) | 1981 (6499) | 1981 (6499) |
| RESA dimensions 90M X 90M commences from RWY end. |             |             |                     |             |             |
| RWY 14/32 APCH SFC based on 150M inner edges.     |             |             |                     |             |             |
| Slope Level. RWY WID 45 RWS WID 150 Graded 150    |             |             |                     |             |             |

**SUPPLEMENTARY TAKEOFF DISTANCES**

|        |                 |                 |
|--------|-----------------|-----------------|
| RWY14- | 1883(6178)(1.6) | 2013(6604)(1.9) |
| RWY32- | 1838(6030)(1.6) | 1970(6463)(1.9) |

**MAITLAND (NSW)**

| <b>RWY</b>                                        | <b>(CN)</b> | <b>TORA</b> | <b>TODA</b>          | <b>ASDA</b> | <b>LDA</b>  |
|---------------------------------------------------|-------------|-------------|----------------------|-------------|-------------|
| 05                                                | (2)         | 1226 (4022) | 1286 (4219) (3.72%)  | 1226 (4022) | 1128 (3701) |
| RESA dimensions 30M X 80M commences from RWS end. |             |             |                      |             |             |
| RWY 05 DTHR 98M.                                  |             |             |                      |             |             |
| 23                                                | (2)         | 1226 (4022) | 1286 (4219) (4.38%)  | 1226 (4022) | 1226 (4022) |
| RESA dimensions 90M X 80M commences from RWS end. |             |             |                      |             |             |
| Slope 0.5% down to NE. RWY WID 15 RWS WID 80      |             |             |                      |             |             |
| 08                                                | (1)         | 1009 (3310) | 1039 (3409) (10.57%) | 1009 (3310) | 781 (2562)  |
| RESA dimensions 20M X 60M commences from RWS end. |             |             |                      |             |             |
| RWY 08 DTHR 228M.                                 |             |             |                      |             |             |
| 26                                                | (1)         | 1009 (3310) | 1039 (3409) (9.54%)  | 1009 (3310) | 800 (2625)  |
| RESA dimensions 30M X 60M commences from RWS end. |             |             |                      |             |             |
| RWY 26 DTHR 209M.                                 |             |             |                      |             |             |
| Slope 0.9% down to E. RWY WID 10 RWS WID 60       |             |             |                      |             |             |
| 18                                                | (1)         | 502 (1647)  | 532 (1745) (3.17%)   | 502 (1647)  | 502 (1647)  |
| RESA dimensions 60M X 60M commences from RWS end. |             |             |                      |             |             |
| 36                                                | (1)         | 502 (1647)  | 532 (1745) (5.63%)   | 502 (1647)  | 502 (1647)  |
| RESA dimensions 15M X 60M commences from RWS end. |             |             |                      |             |             |
| Slope 0.35% down to S. RWY WID 18 RWS WID 60      |             |             |                      |             |             |

**SUPPLEMENTARY TAKEOFF DISTANCES**

|        |                 |                |                 |                 |
|--------|-----------------|----------------|-----------------|-----------------|
| RWY05- | 880(2887)(1.9)  | 980(3215)(2.2) | 1064(3491)(2.5) | 1227(4026)(3.3) |
| RWY23- | 1047(3435)(3.3) |                |                 |                 |
| RWY08- | 877(2877)(5.0)  |                |                 |                 |

**MALLACOOTA**

| <b>RWY</b> | <b>(CN)</b> | <b>TORA</b> | <b>TODA</b>        | <b>ASDA</b> | <b>LDA</b> |
|------------|-------------|-------------|--------------------|-------------|------------|
| 07         | (2)         | 881 (2890)  | 941 (3087) (2.64%) | 881 (2890)  | 881 (2890) |
| 25         | (2)         | 881 (2890)  | 941 (3087) (3.78%) | 881 (2890)  | 881 (2890) |

1. All transitional SFC infringed.

2. CAUTION: Fence 15.6FT ABV and 70M W of RWS end has not been taken into account in the calculation of TODA GRAD and STODA.

Slope 0.7% down to E. RWY WID 30 RWS WID 90 Graded 90

|                                                   |     |             |                     |             |             |
|---------------------------------------------------|-----|-------------|---------------------|-------------|-------------|
| 18                                                | (1) | 1028 (3373) | 1088 (3570) (3.36%) | 1028 (3373) | 1028 (3373) |
| RESA dimensions 60M X 90M commences from RWY end. |     |             |                     |             |             |
| 36                                                | (1) | 1028 (3373) | 1088 (3570) (3.03%) | 1028 (3373) | 1028 (3373) |
| RESA dimensions 60M X 90M commences from RWY end. |     |             |                     |             |             |
| All transitional SFC infringed.                   |     |             |                     |             |             |

Slope 0.2% down to S. RWY WID 18 RWS WID 90 Graded 90

**SUPPLEMENTARY TAKEOFF DISTANCES**

|        |                |                 |                 |                |
|--------|----------------|-----------------|-----------------|----------------|
| RWY07- | 818(2684)(1.6) | 858(2815)(1.9)  | 894(2933)(2.2)  | 928(3045)(2.5) |
| RWY18- | 860(2821)(2.2) | 934(3064)(2.5)  | 1079(3540)(3.3) |                |
| RWY36- | 955(3133)(2.2) | 1015(3330)(2.5) |                 |                |

MANGALORE

| RWY                                          | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 05                                           | (2)  | 2027 (6650) | 2087 (6847) (3.13%) | 2027 (6650) | 2027 (6650) |
| 23                                           | (2)  | 2027 (6650) | 2087 (6847) (2.23%) | 2027 (6650) | 2027 (6650) |
| Slope 0.1% down to SW. RWY WID 23 RWS WID 90 |      |             |                     |             |             |
| 18                                           | (2)  | 1461 (4793) | 1521 (4990) (2.62%) | 1461 (4793) | 1461 (4793) |
| 36                                           | (2)  | 1461 (4793) | 1521 (4990) (3.82%) | 1461 (4793) | 1461 (4793) |
| Slope Level. RWY WID 23 RWS WID 90           |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| RWY05- | 1338(4390)(1.6) | 1593(5226)(1.9) | 1763(5784)(2.2) | 1897(6224)(2.5) |                 |
| RWY23- | 1741(5712)(1.6) | 1933(6342)(1.9) | 2076(6811)(2.2) |                 |                 |
| RWY18- | 1222(4009)(1.6) | 1357(4452)(1.9) | 1440(4724)(2.2) | 1501(4924)(2.5) |                 |
| RWY36- | 1020(3346)(1.6) | 1183(3881)(1.9) | 1270(4167)(2.2) | 1338(4390)(2.5) | 1469(4819)(3.3) |

MANINGRIDA

| RWY                                                              | (CN) | TORA        | TODA                | ASDA        | LDA         |
|------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 14                                                               | (3)  | 1530 (5020) | 1590 (5216) (2.15%) | 1530 (5020) | 1530 (5020) |
| RESA dimensions 60M X 60M commences from RWY end.                |      |             |                     |             |             |
| 32                                                               | (3)  | 1530 (5020) | 1590 (5216) (1.2%)  | 1530 (5020) | 1530 (5020) |
| RESA dimensions 90M X 60M commences from RWS end.                |      |             |                     |             |             |
| RWY 14/32 OBST surveys are conducted using 90M inner edge width. |      |             |                     |             |             |
| Slope 0.3% down to NW. RWY WID 30 RWS WID 90                     |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                |                 |  |  |  |
|--------|----------------|-----------------|--|--|--|
| RWY14- | 975(3199)(1.6) | 1361(4465)(1.9) |  |  |  |
|--------|----------------|-----------------|--|--|--|

MANJIMUP

| RWY                                                                                         | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 12                                                                                          | (1)  | 1224 (4016) | 1284 (4213) (3.44%) | 1224 (4016) | 1224 (4016) |
| Transition surface may be infringed by vegetation, IWI and parked aircraft adjacent to RWS. |      |             |                     |             |             |
| 30                                                                                          | (1)  | 1224 (4016) | 1284 (4213) (4.23%) | 1224 (4016) | 1224 (4016) |
| Transition surface may be infringed by vegetation, IWI and parked aircraft adjacent to RWS. |      |             |                     |             |             |
| Slope 0.32% down to SE. RWY WID 18 RWS WID 80 Graded 80                                     |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                |                 |                 |                 |                 |
|--------|----------------|-----------------|-----------------|-----------------|-----------------|
| RWY12- | 950(3117)(1.6) | 1045(3428)(1.9) | 1117(3665)(2.2) | 1173(3848)(2.5) | 1271(4170)(3.3) |
| RWY30- | 862(2828)(2.2) | 974(3195)(2.5)  | 1162(3812)(3.3) |                 |                 |

MARBLE BAR

| RWY                                                              | (CN) | TORA        | TODA                | ASDA        | LDA         |
|------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 09                                                               | (3)  | 2050 (6726) | 2110 (6922) (1.91%) | 2050 (6726) | 1900 (6234) |
| RESA dimensions 90M X 60M commences from RWS end.                |      |             |                     |             |             |
| TKOF run commences at starter extension, 150M beyond THR RWY 09. |      |             |                     |             |             |
| 27                                                               | (3)  | 1900 (6234) | 1960 (6430) (1.83%) | 1900 (6234) | 1900 (6234) |
| RESA dimensions 220M X 60M commences from RWS end.               |      |             |                     |             |             |
| TNS infringed by terrain rising up to 6FT from 400M W of TWY A.  |      |             |                     |             |             |
| Slope 0.223% down to W. RWY WID 30 RWS WID 90 Graded 90          |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |  |  |  |
|--------|-----------------|-----------------|--|--|--|
| RWY09- | 2080(6824)(1.6) | 2109(6919)(1.9) |  |  |  |
| RWY27- | 1920(6299)(1.6) |                 |  |  |  |

MAREEBA

| RWY                                                                                                                                        | (CN) | TORA        | TODA                | ASDA        | LDA         |
|--------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 10                                                                                                                                         | (3)  | 1839 (6033) | 1899 (6230) (4.54%) | 1839 (6033) | 1672 (5485) |
| 1. RWY 10 DTHR 167M (548FT).                                                                                                               |      |             |                     |             |             |
| 2. RWY reference code based on 90M TKOF inner edge WID.                                                                                    |      |             |                     |             |             |
| 3. Width of inner edge for Approach RWY 10 - 150M.                                                                                         |      |             |                     |             |             |
| 4. LDG RWY 10 Unlit OBST fence 4FT ABV & 25M SW of RWS end, has not been taken into account in the calculation of the TODA GRAD and STODA. |      |             |                     |             |             |
| 28                                                                                                                                         | (3)  | 1672 (5485) | 1732 (5682) (3.24%) | 1672 (5485) | 1505 (4938) |
| 1. RWY 28 DTHR 167M (548FT).                                                                                                               |      |             |                     |             |             |
| 2. RWY TKOF SFC survey based on 150M TKOF inner edge WID.                                                                                  |      |             |                     |             |             |
| 3. RWY 10/28 TKOF/Climb SFC Non-ICAO length surveyed 7500M.                                                                                |      |             |                     |             |             |
| Slope 0.55% down to W. RWY WID 30 RWS WID 90                                                                                               |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|
| RWY10- | 985(3232)(1.9)  | 1284(4213)(2.2) | 1466(4810)(2.5) | 1718(5636)(3.3) |
| RWY28- | 1308(4291)(1.6) | 1409(4623)(1.9) | 1488(4882)(2.2) | 1551(5089)(2.5) |

MARYBOROUGH (QLD)

| RWY                                                   | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 12                                                    | (2)  | 885 (2904)  | 945 (3100) (3.69%)  | 885 (2904)  | 885 (2904)  |
| RESA dimensions 60M X 90M commences from RWS end.     |      |             |                     |             |             |
| 30                                                    | (2)  | 885 (2904)  | 945 (3100) (2.42%)  | 885 (2904)  | 885 (2904)  |
| RESA dimensions 60M X 90M commences from RWS end.     |      |             |                     |             |             |
| Slope 0.2% down to NW. RWY WID 30 RWS WID 90          |      |             |                     |             |             |
| 17                                                    | (3)  | 1587 (5207) | 1707 (5600) (3.54%) | 1587 (5207) | 1587 (5207) |
| RESA dimensions 90M X 90M commences from RWS end.     |      |             |                     |             |             |
| 35                                                    | (3)  | 1587 (5207) | 1647 (5403) (3.48%) | 1587 (5207) | 1587 (5207) |
| RESA dimensions 90M X 90M commences from RWS end.     |      |             |                     |             |             |
| Slope 0.2% down to N. RWY WID 30 RWS WID 90 Graded 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

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| RWY12- | 889(2917)(3.3) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | </ |
|--------|----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|

MCARTHUR RIVER MINE

| RWY                                                                       | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 06                                                                        | (3)  | 2500 (8202) | 2560 (8399) (1.96%) | 2500 (8202) | 2500 (8202) |
| 24                                                                        | (3)  | 2500 (8202) | 2560 (8399) (2.47%) | 2500 (8202) | 2500 (8202) |
| Slope W end level. E end 0.3% down to E. RWY WID 30 RWS WID 150 Graded 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|
| RWY06- | 2300(7546)(1.6) | 2523(8277)(1.9) |                 |
| RWY24- | 2386(7828)(1.6) | 2468(8097)(1.9) | 2524(8281)(2.2) |

MEEKATHARRA

| RWY                                               | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 09                                                | (3)  | 2181 (7155) | 2241 (7352) (1.2%)  | 2181 (7155) | 2181 (7155) |
| RESA dimensions 90M X 30M commences from RWY end. |      |             |                     |             |             |
| 27                                                | (3)  | 2181 (7155) | 2241 (7352) (1.95%) | 2181 (7155) | 2181 (7155) |
| RESA dimensions 90M X 30M commences from RWY end. |      |             |                     |             |             |
| RWY 09/27 APCH inner edge length 150M.            |      |             |                     |             |             |
| Slope 0.12% down to E. RWY WID 30 RWS WID 150     |      |             |                     |             |             |
| 15                                                | (2)  | 1065 (3494) | 1125 (3691) (1.26%) | 1065 (3494) | 1065 (3494) |
| 33                                                | (2)  | 1065 (3494) | 1125 (3691) (1.2%)  | 1065 (3494) | 1065 (3494) |
| Slope 0.1% down to NW. RWY WID 30 RWS WID 90      |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY27- 2179(7149)(1.6) 2232(7323)(1.9)

MELBOURNE

| RWY                                                                                                                                                   | (CN) | TORA         | TODA                 | ASDA         | LDA          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|----------------------|--------------|--------------|
| 09                                                                                                                                                    | (4)  | 2286 (7500)  | 2436 (7992) (2.09%)  | 2346 (7697)  | 2286 (7500)  |
| RESA dimensions 240M X 150M commences from RWS end.                                                                                                   |      |              |                      |              |              |
| TNS infringed by trees RWY 09.                                                                                                                        |      |              |                      |              |              |
| 27                                                                                                                                                    | (4)  | 2286 (7500)  | 2436 (7992) (1.53%)  | 2346 (7697)  | 2286 (7500)  |
| RESA dimensions 240M X 150M commences from RWS end.                                                                                                   |      |              |                      |              |              |
| 1. RWY 27 APCH lights up to 2FT high WI CWY.                                                                                                          |      |              |                      |              |              |
| 2. RWY 27 APCH lights BTN 0 and 60M FM CWY end and 2FT ABV CWY end are not taken into account in calculation of TODA GRAD and STODA.                  |      |              |                      |              |              |
| 3. TNS infringed N side by OBST (illuminated WDI), 100M FM RWY 09 THR.                                                                                |      |              |                      |              |              |
| 4. TNS and APCH SFC infringed by trees RWY 27.                                                                                                        |      |              |                      |              |              |
| Slope E end level, centre 0.4% down to W. W end 0.1% down to E. RWY WID 45 RWS WID 300                                                                |      |              |                      |              |              |
| 16                                                                                                                                                    | (4)  | 3657 (11998) | 3777 (12392) (2.08%) | 3717 (12195) | 3657 (11998) |
| RESA dimensions 240M X 150M commences from RWS end.                                                                                                   |      |              |                      |              |              |
| 34                                                                                                                                                    | (4)  | 3657 (11998) | 3837 (12588) (2%)    | 3717 (12195) | 3657 (11998) |
| RESA dimensions 240M X 150M commences from RWS end.                                                                                                   |      |              |                      |              |              |
| 1. TNS infringed by trees both RWY.                                                                                                                   |      |              |                      |              |              |
| 2. RWY 34 APCH SFC infringed by trees.                                                                                                                |      |              |                      |              |              |
| 3. RWY 16 APCH lights up to 3FT high WI CWY.                                                                                                          |      |              |                      |              |              |
| 4. RWY 16 APCH lights BTN 3M & 124M FM RWY 34 CWY end and FM 3FT to 7FT ABV CWY end are not taken into account in calculation of TODA GRAD and STODA. |      |              |                      |              |              |
| Slope 0.9% down to S. RWY WID 60 RWS WID 300                                                                                                          |      |              |                      |              |              |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY09- 2284(7493)(1.6) 2391(7844)(1.9)  
RWY16- 3653(11985)(1.6) 3738(12264)(1.9)  
RWY34- 3417(11210)(1.6) 3758(12329)(1.9)

TAXIWAY INTERSECTION DECLARED DISTANCES

|        |                    |                           |                               |
|--------|--------------------|---------------------------|-------------------------------|
| RWY27- | TKOF from TWY A;   | RWY remaining 1652(5420)  | reduce all DIST by 634(2080)  |
| RWY16- | TKOF from RWY INT; | RWY remaining 2715(8907)  | reduce all DIST by 942(3091)  |
| RWY16- | TKOF from TWY C;   | RWY remaining 3353(11001) | reduce all DIST by 304(997)   |
| RWY16- | TKOF from TWY E;   | RWY remaining 2345(7693)  | reduce all DIST by 1312(4304) |
| RWY16- | TKOF from TWY F;   | RWY remaining 1818(5964)  | reduce all DIST by 1839(6033) |
| RWY34- | TKOF from TWY E;   | RWY remaining 1336(4383)  | reduce all DIST by 2321(7615) |
| RWY34- | TKOF from TWY G;   | RWY remaining 1953(6407)  | reduce all DIST by 1704(5590) |
| RWY34- | TKOF from TWY J;   | RWY remaining 2903(9524)  | reduce all DIST by 754(2474)  |

LAHSO DISTANCES

LDA for LAHSO  
RWY 34 - 2613(8573)

## MELBOURNE/ESSENDON

| RWY | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-----|------|-------------|---------------------|-------------|-------------|
| 08  | (4)  | 1921 (6302) | 1981 (6499) (2.59%) | 1921 (6302) | 1921 (6302) |
| 26  | (4)  | 1921 (6302) | 1981 (6499) (3.73%) | 1921 (6302) | 1921 (6302) |

1. OBST in flyover area of RWS refer ERSA.

2. Multiple lit and unlit masts BTN 2061-2204M FM RWY 26 SOT BTN 101M L and 101M R RCL.

3. Masts infringe 2% TKOF SFC up to 3.3% not ABV 261FT AMSL.

4. Masts are street lights along the Tullamarine Freeway.

Slope 0.4% down to the W for 700M then 0.2% down to E for the remainder. RWY WID 45 RWS WID 180 Graded 150

|    |     |             |                     |             |             |
|----|-----|-------------|---------------------|-------------|-------------|
| 17 | (3) | 1503 (4931) | 1563 (5128) (3.04%) | 1503 (4931) | 1503 (4931) |
| 35 | (3) | 1503 (4931) | 1563 (5128) (1.82%) | 1503 (4931) | 1503 (4931) |

RWY 35 fixed distance and touch down zone markings displaced 33M to N.

Slope 0.9% down to S. RWY WID 45 RWS WID 150

## SUPPLEMENTARY TAKEOFF DISTANCES

RWY08- 1918(6293)(1.6) 1949(6394)(1.9) 1968(6457)(2.2) 1976(6483)(2.5)

RWY26- 1713(5620)(1.6) 1781(5843)(1.9) 1831(6007)(2.2) 1871(6138)(2.5) 1951(6401)(3.3)

RWY17- 1427(4682)(1.6) 1470(4823)(1.9) 1501(4924)(2.2) 1528(5013)(2.5)

RWY35- 1302(4272)(1.6)

## MELBOURNE/MOORABBIN

| RWY | (CN) | TORA                                                   | TODA                | ASDA        | LDA         |
|-----|------|--------------------------------------------------------|---------------------|-------------|-------------|
| 04  | (1)  | 571 (1873)                                             | 601 (1972) (5.77%)  | 571 (1873)  | 500 (1640)  |
|     |      | RWY 04 DTHR 71M(232FT).                                |                     |             |             |
| 22  | (1)  | 571 (1873)                                             | 601 (1972) (5.34%)  | 571 (1873)  | 541 (1775)  |
|     |      | RWY 22 DTHR 30M(98FT).                                 |                     |             |             |
|     |      | Slope 0.2% down to SW. RWY WID 18 RWS WID 60 Graded 60 |                     |             |             |
| 13L | (2)  | 1149 (3770)                                            | 1209 (3966) (3.35%) | 1149 (3770) | 1040 (3412) |
|     |      | RWY 13L DTHR 109M(358FT).                              |                     |             |             |
| 31R | (2)  | 1149 (3770)                                            | 1209 (3966) (7.25%) | 1149 (3770) | 1149 (3770) |
|     |      | RWS surveyed to 80M.                                   |                     |             |             |
|     |      | Slope 0.4% down to SE. RWY WID 30 RWS WID 80 Graded 90 |                     |             |             |
| 13R | (1)  | 1060 (3478)                                            | 1120 (3674) (4%)    | 1060 (3478) | 894 (2933)  |
|     |      | RWY 13R DTHR 166M(545FT).                              |                     |             |             |
| 31L | (1)  | 1060 (3478)                                            | 1120 (3674) (3.34%) | 1060 (3478) | 914 (2999)  |

1. RWY 31L DTHR 146M(480FT).

2. ACFT 18FT AGL taxiing on TWY A, 1140 FM SOT RWY 31L not taken into account in the calculation of TODA GRAD.

3. RWS surveyed to 80M.

Slope 0.4% down to SE. RWY WID 18 RWS WID 80 Graded 90

|     |     |             |                     |             |             |
|-----|-----|-------------|---------------------|-------------|-------------|
| 17L | (2) | 1335 (4380) | 1395 (4577) (4.93%) | 1335 (4380) | 1050 (3445) |
|-----|-----|-------------|---------------------|-------------|-------------|

RESA dimensions 60M X 60M commences from RWS end.

RWY 17L DTHR 285M(936FT).

|     |     |             |                     |             |             |
|-----|-----|-------------|---------------------|-------------|-------------|
| 35R | (2) | 1335 (4380) | 1395 (4577) (9.73%) | 1335 (4380) | 1160 (3806) |
|-----|-----|-------------|---------------------|-------------|-------------|

RESA dimensions 60M X 60M commences from RWY end.

1. RWY 35R DTHR 175M(574FT).

2. RWS surveyed to 140M.

Slope 0.4% down to S. RWY WID 30 RWS WID 140 Graded 90

|     |     |             |                     |             |             |
|-----|-----|-------------|---------------------|-------------|-------------|
| 17R | (1) | 1240 (4068) | 1300 (4265) (9.22%) | 1240 (4068) | 1046 (3432) |
|-----|-----|-------------|---------------------|-------------|-------------|

RWY 17R DTHR 194M(636FT).

|     |     |             |                     |             |             |
|-----|-----|-------------|---------------------|-------------|-------------|
| 35L | (1) | 1240 (4068) | 1300 (4265) (9.69%) | 1240 (4068) | 1086 (3563) |
|-----|-----|-------------|---------------------|-------------|-------------|

1. RWY 35L DTHR 154M(505FT).

2. RWS surveyed to 80M.

Slope 0.4% down to S. RWY WID 18 RWS WID 80 Graded 90

SUPPLEMENTARY TAKEOFF DISTANCES

RWY13L- 866(2841)(1.9) 966(3169)(2.2) 1046(3432)(2.5) 1202(3944)(3.3)  
RWY31R- 943(3094)(3.3) 1113(3652)(5.0)  
RWY13R- 815(2674)(2.2) 907(2976)(2.5) 1083(3553)(3.3)  
RWY31L- 823(2700)(2.5) 1113(3652)(3.3)  
RWY17L- 824(2703)(1.6) 940(3084)(1.9) 1031(3383)(2.2) 1106(3629)(2.5) 1241(4071)(3.3)  
RWY35R- 887(2910)(2.2) 1036(3399)(2.5) 1217(3993)(3.3) 1332(4370)(5.0)  
RWY17R- 880(2887)(2.5) 1037(3402)(3.3) 1215(3986)(5.0)  
RWY35L- 817(2680)(2.5) 984(3228)(3.3) 1153(3783)(5.0)

TAXIWAY INTERSECTION DECLARED DISTANCES

RWY17R- TKOF from TWY A1; RWY remaining 1079(3540) reduce all DIST by 161(528)  
RWY35L- TKOF from TWY A7; RWY remaining 1066(3497) reduce all DIST by 174(571)

MERIMBULA

| RWY | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-----|------|-------------|---------------------|-------------|-------------|
| 03  | (3)  | 1602 (5256) | 1662 (5453) (3.21%) | 1602 (5256) | 1602 (5256) |

RESA dimensions 90M X 60M commences from RWY end.  
Fence 7.9FT ABV and PARL to RWY, 81M E of RCL, and transient OBST up to 13.4FT ABV and 95M NE of RWS end, not taken into account in the calculation of TODA GRAD and STODA.

Use of alternate start position RWY 03 PPR.

RWY 03 ALTERNATE declared distances:

TORA TODA ASDA LDA

1721 1781(3.21) 1721 1602

SUPPLEMENTARY TAKEOFF DISTANCES

|           |           |             |                     |                         |
|-----------|-----------|-------------|---------------------|-------------------------|
| 1015(2.2) | 1353(2.5) |             |                     |                         |
| 21        | (3)       | 1602 (5256) | 1662 (5453) (3.49%) | 1602 (5256) 1602 (5256) |

RESA dimensions 90M X 60M commences from RWY end.  
TKOF climb SFC inner edge 150M. Transition SFC infringed by trees both sides of RWY.  
Use of alternate start position RWY 21 PPR.

RWY 21 ALTERNATE declared distances:

TORA TODA ASDA LDA

1721 1781(3.49) 1721 1602

SUPPLEMENTARY TAKEOFF DISTANCES

1688(3.3)  
Slope Level. RWY WID 30 RWS WID 90

SUPPLEMENTARY TAKEOFF DISTANCES

RWY03- 896(2940)(2.2) 1234(4049)(2.5)  
RWY21- 1569(5148)(3.3)

MILDURA

| RWY                                                                                                                               | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-----------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 09                                                                                                                                | (4)  | 1830 (6004) | 1920 (6299) (1.93%) | 1830 (6004) | 1830 (6004) |
| RESA dimensions 120M X 90M commences from RWS end.                                                                                |      |             |                     |             |             |
| Transition SFC infringed.                                                                                                         |      |             |                     |             |             |
| Use of alternate start position RWY 09 requires PPR.                                                                              |      |             |                     |             |             |
| RWY 09 ALTERNATE declared distances:                                                                                              |      |             |                     |             |             |
| <b>TORA TODA ASDA LDA</b>                                                                                                         |      |             |                     |             |             |
| 1947 2037(1.89) 1947 1830                                                                                                         |      |             |                     |             |             |
| <b>SUPPLEMENTARY TKOF DISTANCES</b>                                                                                               |      |             |                     |             |             |
| 1967(1.6)                                                                                                                         |      |             |                     |             |             |
| 27                                                                                                                                | (4)  | 1830 (6004) | 1890 (6201) (1.67%) | 1830 (6004) | 1830 (6004) |
| RESA dimensions 90M X 90M commences from RWS end.                                                                                 |      |             |                     |             |             |
| Transition SFC infringed.                                                                                                         |      |             |                     |             |             |
| Slope 0.1% down to E. RWY WID 45 RWS WID 300 Graded 150                                                                           |      |             |                     |             |             |
| 18                                                                                                                                | (2)  | 1139 (3737) | 1199 (3934) (2.51%) | 1139 (3737) | 1139 (3737) |
| RESA dimensions 60M X 60M commences from RWS end.                                                                                 |      |             |                     |             |             |
| Transient OBST up to 6FT ABV and 85M S of RWS end not taken into account in calculation of TODA gradient and STODA.               |      |             |                     |             |             |
| 36                                                                                                                                | (2)  | 1139 (3737) | 1199 (3934) (2.03%) | 1139 (3737) | 1139 (3737) |
| RESA dimensions 60M X 60M commences from RWS end.                                                                                 |      |             |                     |             |             |
| CAUTION: Transient OBST up to 13FT ABV and 76M N of RWS end are not taken into account in the calculation of TODA GRAD and STODA. |      |             |                     |             |             |
| Slope 0.1% down to N. RWY WID 30 RWS WID 90 Graded 90                                                                             |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |  |
|--------|-----------------|-----------------|-----------------|-----------------|--|
| RWY09- | 1850(6069)(1.6) | 1916(6286)(1.9) |                 |                 |  |
| RWY27- | 1846(6056)(1.6) |                 |                 |                 |  |
| RWY18- | 1006(3300)(1.6) | 1097(3599)(1.9) | 1156(3793)(2.2) | 1198(3930)(2.5) |  |
| RWY36- | 994(3261)(1.6)  | 1144(3753)(1.9) |                 |                 |  |

TAXIWAY INTERSECTION DECLARED DISTANCES

|        |                    |                          |                              |
|--------|--------------------|--------------------------|------------------------------|
| RWY09- | TKOF from TWY D;   | RWY remaining 987(3238)  | reduce all DIST by 843(2766) |
| RWY27- | TKOF from RWY INT; | RWY remaining 1463(4800) | reduce all DIST by 367(1204) |
| RWY27- | TKOF from TWY C;   | RWY remaining 1166(3825) | reduce all DIST by 664(2178) |
| RWY27- | TKOF from TWY D;   | RWY remaining 861(2825)  | reduce all DIST by 969(3179) |

MILES

| RWY                                                                                                                    | (CN) | TORA        | TODA                | ASDA        | LDA         |
|------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 04                                                                                                                     | (2)  | 1590 (5216) | 1650 (5413) (1.28%) | 1590 (5216) | 1590 (5216) |
| 22                                                                                                                     | (2)  | 1590 (5216) | 1650 (5413) (2.57%) | 1590 (5216) | 1590 (5216) |
| Caution unlit OBST fence at RWY 22 TODA end 2.1FT ABV RWY has not been taken into account in calculation of TODA GRAD. |      |             |                     |             |             |
| Slope SW end 0.1% down to NE. NE end 0.4% down to SW. RWY WID 30 RWS WID 90 Graded 90                                  |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |  |
|--------|-----------------|-----------------|-----------------|-----------------|--|
| RWY22- | 1394(4573)(1.6) | 1500(4921)(1.9) | 1577(5174)(2.2) | 1637(5371)(2.5) |  |
|--------|-----------------|-----------------|-----------------|-----------------|--|

MILINGIMBI

| RWY                                                              | (CN) | TORA        | TODA                | ASDA        | LDA         |
|------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 11                                                               | (2)  | 1410 (4626) | 1470 (4823) (1.76%) | 1410 (4626) | 1410 (4626) |
| RESA dimensions 60M X 60M commences from RWS end.                |      |             |                     |             |             |
| 29                                                               | (2)  | 1410 (4626) | 1470 (4823) (2.66%) | 1410 (4626) | 1410 (4626) |
| RESA dimensions 60M X 60M commences from RWS end.                |      |             |                     |             |             |
| RWY 11/29 OBST surveys are conducted using 90M inner edge width. |      |             |                     |             |             |
| Slope 0.4% down to SE. RWY WID 30 RWS WID 90                     |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |  |
|--------|-----------------|-----------------|-----------------|-----------------|--|
| RWY11- | 1411(4629)(1.6) |                 |                 |                 |  |
| RWY29- | 1016(3333)(1.6) | 1200(3937)(1.9) | 1330(4363)(2.2) | 1426(4678)(2.5) |  |

MOOMBA

| RWY                                                                                                      | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 12                                                                                                       | (3)  | 1718 (5636) | 1778 (5833) (1.6%)  | 1718 (5636) | 1718 (5636) |
| RESA dimensions 90M X 60M commences from RWY end.                                                        |      |             |                     |             |             |
| Unlit OBST fence 6FT above, 82M SE of RWS and 98M N of RCL not included in the calculation of TODA GRAD. |      |             |                     |             |             |
| 30                                                                                                       | (3)  | 1718 (5636) | 1778 (5833) (1.57%) | 1718 (5636) | 1718 (5636) |
| RESA dimensions 90M X 60M commences from RWY end.                                                        |      |             |                     |             |             |
| Slope 0.34% down to SE. RWY WID 30 RWS WID 150 Graded 90                                                 |      |             |                     |             |             |

MORANBAH

| RWY                                                     | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 16                                                      | (3)  | 1524 (5000) | 1649 (5410) (2.2%)  | 1524 (5000) | 1524 (5000) |
| 34                                                      | (3)  | 1524 (5000) | 1649 (5410) (1.52%) | 1524 (5000) | 1524 (5000) |
| Slope 0.8% down to NW. RWY WID 30 RWS WID 150 Graded 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |  |  |  |
|--------|-----------------|-----------------|--|--|--|
| RWY16- | 1304(4278)(1.6) | 1605(5266)(1.9) |  |  |  |
|--------|-----------------|-----------------|--|--|--|

MORAWA

| RWY                                            | (CN) | TORA        | TODA                | ASDA        | LDA         |
|------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 09                                             | (1)  | 975 (3199)  | 1005 (3297) (1.58%) | 975 (3199)  | 975 (3199)  |
| 27                                             | (1)  | 975 (3199)  | 1005 (3297) (5.08%) | 975 (3199)  | 975 (3199)  |
| Slope 0.1% down to E. RWY WID 18 RWS WID 60    |      |             |                     |             |             |
| 15                                             | (2)  | 1350 (4429) | 1410 (4626) (1.56%) | 1350 (4429) | 1350 (4429) |
| 33                                             | (2)  | 1350 (4429) | 1410 (4626) (2.01%) | 1350 (4429) | 1350 (4429) |
| Slope 0.67% down to SSE. RWY WID 30 RWS WID 80 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |  |  |  |
|--------|-----------------|-----------------|--|--|--|
| RWY27- | 888(2913)(3.3)  | 1001(3284)(5.0) |  |  |  |
| RWY33- | 1260(4134)(1.6) | 1357(4452)(1.9) |  |  |  |



MOREE

| RWY                                                                      | (CN) | TORA        | TODA                | ASDA        | LDA         |
|--------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 01                                                                       | (3)  | 1613 (5292) | 1673 (5489) (3.32%) | 1613 (5292) | 1613 (5292) |
| RESA dimensions 90M X 60M commences from RWY end.                        |      |             |                     |             |             |
| RWY 01 - Infrequent transient OBST not accounted for in TKOF SFC survey. |      |             |                     |             |             |
| 19                                                                       | (3)  | 1613 (5292) | 1703 (5587) (1.41%) | 1613 (5292) | 1613 (5292) |
| RESA dimensions 60M X 60M commences from RWY end.                        |      |             |                     |             |             |
| Slope 0.1% down to S. RWY WID 30 RWS WID 150 Graded 90                   |      |             |                     |             |             |
| 05                                                                       | (2)  | 977 (3205)  | 1037 (3402) (2.37%) | 977 (3205)  | 977 (3205)  |
| 23                                                                       | (2)  | 977 (3205)  | 1037 (3402) (1.2%)  | 977 (3205)  | 977 (3205)  |
| Slope 0.2% down to SW. RWY WID 23 RWS WID 90                             |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY01- 1332(4370)(1.6) 1481(4859)(1.9) 1567(5141)(2.2) 1607(5272)(2.5) 1673(5489)(3.3)  
RWY05- 849(2785)(1.9) 980(3215)(2.2)

MORNINGTON ISLAND

| RWY                                                              | (CN) | TORA        | TODA                | ASDA        | LDA         |
|------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 09                                                               | (3)  | 1515 (4970) | 1575 (5167) (2.6%)  | 1515 (4970) | 1515 (4970) |
| RESA dimensions 90M X 60M commences from RWY end.                |      |             |                     |             |             |
| 27                                                               | (3)  | 1515 (4970) | 1575 (5167) (1.41%) | 1515 (4970) | 1515 (4970) |
| RESA dimensions 90M X 60M commences from RWY end.                |      |             |                     |             |             |
| RWY 09/27 length of TKOF and APCH inner edge 90M (non-standard). |      |             |                     |             |             |
| Slope Level. RWY WID 30 RWS WID 90                               |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY09- 1112(3648)(1.6) 1302(4272)(1.9) 1440(4724)(2.2) 1545(5069)(2.5)

MORUYA

| RWY                                                                                                                                    | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 04                                                                                                                                     | (2)  | 827 (2713)  | 887 (2910) (3.77%)  | 827 (2713)  | 827 (2713)  |
| RESA dimensions 60M X 80M commences from RWS end.                                                                                      |      |             |                     |             |             |
| 22                                                                                                                                     | (2)  | 827 (2713)  | 887 (2910) (4.15%)  | 827 (2713)  | 827 (2713)  |
| RESA dimensions 150M X 80M commences from RWS end.                                                                                     |      |             |                     |             |             |
| Slope 0.1% down to NE. RWY WID 18 RWS WID 80                                                                                           |      |             |                     |             |             |
| 18                                                                                                                                     | (3)  | 1523 (4997) | 1583 (5194) (5.95%) | 1523 (4997) | 1523 (4997) |
| RESA dimensions 160M X 90M commences from RWS end.                                                                                     |      |             |                     |             |             |
| 36                                                                                                                                     | (3)  | 1523 (4997) | 1583 (5194) (3.67%) | 1523 (4997) | 1523 (4997) |
| RESA dimensions 90M X 90M commences from RWS end.                                                                                      |      |             |                     |             |             |
| Fence 6FT high parallel to and adjacent to both sides of RWS edge N end, not taken into account in calculation of TODA GRAD and STODA. |      |             |                     |             |             |
| Slope Level. RWY WID 30 RWS WID 150 Graded 90                                                                                          |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY04- 809(2654)(1.6) 826(2710)(1.9) 843(2766)(2.2) 856(2808)(2.5) 878(2881)(3.3)  
RWY18- 1414(4639)(3.3) 1554(5098)(5.0)  
RWY36- 899(2949)(1.6) 1131(3711)(1.9) 1284(4213)(2.2) 1394(4573)(2.5) 1538(5046)(3.3)

MOUNT GAMBIER

| RWY                                                                            | (CN) | TORA        | TODA                | ASDA        | LDA         |
|--------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 06                                                                             | (2)  | 846 (2776)  | 906 (2972) (3.79%)  | 846 (2776)  | 846 (2776)  |
| 24                                                                             | (2)  | 846 (2776)  | 962 (3156) (4%)     | 846 (2776)  | 846 (2776)  |
| Slope 0.3% down to SW. RWY WID 30 RWS WID 90                                   |      |             |                     |             |             |
| 11                                                                             | (2)  | 922 (3025)  | 985 (3232) (4.19%)  | 922 (3025)  | 922 (3025)  |
| RWY 11 APCH transitional SFC NE side infringed by trees.                       |      |             |                     |             |             |
| 29                                                                             | (2)  | 922 (3025)  | 982 (3222) (3.87%)  | 922 (3025)  | 922 (3025)  |
| Slope 0.1% down to SE. RWY WID 30 RWS WID 90                                   |      |             |                     |             |             |
| 18                                                                             | (3)  | 1644 (5394) | 1704 (5590) (3.74%) | 1644 (5394) | 1644 (5394) |
| RESA dimensions 90M X 60M commences from RWS end.                              |      |             |                     |             |             |
| 36                                                                             | (3)  | 1644 (5394) | 1704 (5590) (2.25%) | 1644 (5394) | 1644 (5394) |
| RESA dimensions 90M X 60M commences from RWS end.                              |      |             |                     |             |             |
| RWY 36 APCH transitional SFC infringed 10FT by trees 180M E and 155M W of RCL. |      |             |                     |             |             |
| Slope 0.3% down to S. RWY WID 30 RWS WID 150 Graded 90                         |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| RWY06- | 861(2825)(3.3)  |                 |                 |                 |                 |
| RWY24- | 949(3113)(3.3)  |                 |                 |                 |                 |
| RWY11- | 853(2799)(3.3)  |                 |                 |                 |                 |
| RWY29- | 833(2733)(3.3)  |                 |                 |                 |                 |
| RWY18- | 1004(3294)(1.6) | 1164(3819)(1.9) | 1303(4275)(2.2) | 1414(4639)(2.5) | 1627(5338)(3.3) |
| RWY36- | 1085(3560)(1.6) | 1459(4787)(1.9) | 1681(5515)(2.2) |                 |                 |

MOUNT GORDON

| RWY                                         | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 08                                          | (2)  | 1170 (3839) | 1230 (4035) (4.56%) | 1170 (3839) | 1170 (3839) |
| 26                                          | (2)  | 1170 (3839) | 1230 (4035) (7.46%) | 1170 (3839) | 1170 (3839) |
| Slope 1.0% down to E. RWY WID 30 RWS WID 80 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                |                 |                |                 |                 |
|--------|----------------|-----------------|----------------|-----------------|-----------------|
| RWY08- | 824(2703)(1.6) | 918(3012)(1.9)  | 991(3251)(2.2) | 1050(3445)(2.5) | 1160(3806)(3.3) |
| RWY26- | 945(3100)(3.3) | 1173(3848)(5.0) |                |                 |                 |

MOUNT HOLLAND

| RWY                                                     | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 08                                                      | (2)  | 1600 (5249) | 1660 (5446) (3.11%) | 1600 (5249) | 1600 (5249) |
| 26                                                      | (2)  | 1600 (5249) | 1660 (5446) (3.07%) | 1600 (5249) | 1600 (5249) |
| Slope 0.33% down to E. RWY WID 30 RWS WID 140 Graded 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |  |
|--------|-----------------|-----------------|-----------------|-----------------|--|
| RWY08- | 1403(4603)(1.6) | 1489(4885)(1.9) | 1546(5072)(2.2) | 1591(5220)(2.5) |  |
| RWY26- | 1163(3816)(1.9) | 1447(4747)(2.2) | 1581(5187)(2.5) |                 |  |

MOUNT HOTHAM

| RWY                                                   | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 11                                                    | (3)  | 1460 (4790) | 1520 (4987) (1.73%) | 1460 (4790) | 1460 (4790) |
| RESA dimensions 90M X 90M commences from RWY end.     |      |             |                     |             |             |
| 29                                                    | (3)  | 1460 (4790) | 1520 (4987) (4.94%) | 1460 (4790) | 1460 (4790) |
| RESA dimensions 90M X 90M commences from RWY end.     |      |             |                     |             |             |
| Slope 0.7% down to E. RWY WID 30 RWS WID 90 Graded 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |  |  |  |  |
|--------|-----------------|--|--|--|--|
| RWY11- | 1484(4869)(1.6) |  |  |  |  |
|--------|-----------------|--|--|--|--|

MOUNT ISA

| RWY                                                                                                                                                                                                                                                                  | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 16                                                                                                                                                                                                                                                                   | (4)  | 2560 (8399) | 2620 (8596) (2.67%) | 2560 (8399) | 2560 (8399) |
| RESA dimensions 90M X 45M commences from RWS end.<br>Parallel fence 4.4FT ABV and 3M FM RWY strip end and 87M left of extended RCL at the SE end has not been taken into account in the calculation of TODA MNM required climb gradient and supplementary TKOF DIST. |      |             |                     |             |             |
| 34                                                                                                                                                                                                                                                                   | (4)  | 2560 (8399) | 2620 (8596) (2.57%) | 2560 (8399) | 2560 (8399) |
| RESA dimensions 90M X 45M commences from RWS end.<br>APCH inner edge width 150M.<br>Slope 510M S end 0.1% down to S, 2050M N end 0.15% down to N. RWY WID 45 RWS WID 150                                                                                             |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY16- 1192(3911)(1.9) 2352(7716)(2.2) 2579(8461)(2.5)  
RWY34- 1638(5374)(2.2) 2465(8087)(2.5)

MOUNT KEITH

| RWY                                                                                                                                                                                                                                                   | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 11                                                                                                                                                                                                                                                    | (3)  | 1797 (5896) | 1860 (6102) (2.72%) | 1797 (5896) | 1797 (5896) |
| RESA dimensions 90M X 60M commences from RWS end.                                                                                                                                                                                                     |      |             |                     |             |             |
| 29                                                                                                                                                                                                                                                    | (3)  | 1797 (5896) | 1860 (6102) (3.45%) | 1797 (5896) | 1797 (5896) |
| RESA dimensions 90M X 60M commences from RWS end.<br>1. TKOF SFC infringed by boundary fence 8FT AGL, offset 85M FM CL.<br>2. APCH RWY survey area, RWY 11/29 APCH inner edge length 150M.<br>Slope 0.32% down to E. RWY WID 30 RWS WID 150 Graded 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY11- 1770(5807)(1.6) 1804(5919)(1.9) 1829(6001)(2.2) 1849(6066)(2.5)  
RWY29- 1571(5154)(1.6) 1667(5469)(1.9) 1732(5682)(2.2) 1779(5837)(2.5) 1855(6086)(3.3)

MOUNT MAGNET

| RWY                                                                                                                           | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 04                                                                                                                            | (1)  | 900 (2953)  | 960 (3150) (1.2%)   | 900 (2953)  | 900 (2953)  |
| Fence 989M FM RWY 04 SOT and 5FT AGL.                                                                                         |      |             |                     |             |             |
| 22                                                                                                                            | (1)  | 900 (2953)  | 960 (3150) (1.2%)   | 900 (2953)  | 900 (2953)  |
| Slope 0.25% down to SW. RWY WID 30 RWS WID 90                                                                                 |      |             |                     |             |             |
| 16                                                                                                                            | (3)  | 1800 (5905) | 1860 (6102) (1.48%) | 1800 (5905) | 1800 (5905) |
| RESA dimensions 90M X 60M commences from RWS end.                                                                             |      |             |                     |             |             |
| 34                                                                                                                            | (3)  | 1800 (5905) | 1860 (6102) (3.92%) | 1800 (5905) | 1800 (5905) |
| RESA dimensions 90M X 60M commences from RWS end.<br>APCH SFC inner edge 150M.<br>Slope 0.5% down to S. RWY WID 30 RWS WID 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY34- 1631(5351)(1.6) 1706(5597)(1.9) 1752(5748)(2.2) 1784(5853)(2.5) 1835(6020)(3.3)

MUDGEE

| RWY                                                                                                                                                                                                          | (CN) | TORA        | TODA                | ASDA        | LDA         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 04                                                                                                                                                                                                           | (3)  | 1739 (5705) | 1799 (5902) (4.93%) | 1739 (5705) | 1739 (5705) |
| RESA dimensions 60M X 90M commences from RWY end.<br>Lit fence 5.5FT ABV at RWS end not taken into account in the calculation of TODA, GRAD, and STODA.                                                      |      |             |                     |             |             |
| 22                                                                                                                                                                                                           | (3)  | 1739 (5705) | 1799 (5902) (6.11%) | 1739 (5705) | 1739 (5705) |
| RESA dimensions 60M X 90M commences from RWY end.<br>Fence 6.3FT ABV and 3M SW of RWS end not taken into account in the calculation of TODA, GRAD and STODA.<br>Slope 0.6% down to SW. RWY WID 30 RWS WID 90 |      |             |                     |             |             |
| 16                                                                                                                                                                                                           | (2)  | 1075 (3527) | 1135 (3724) (3.16%) | 1075 (3527) | 1075 (3527) |
| 34                                                                                                                                                                                                           | (2)  | 1075 (3527) | 1135 (3724) (2.99%) | 1075 (3527) | 1075 (3527) |
| Slope 0.4% down to S. RWY WID 30 RWS WID 90                                                                                                                                                                  |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|
| RWY04- | 1497(4911)(2.2) | 1567(5141)(2.5) | 1681(5515)(3.3) |
| RWY16- | 919(3015)(1.9)  | 999(3278)(2.2)  | 1044(3425)(2.5) |
| RWY34- | 810(2657)(2.2)  | 953(3127)(2.5)  |                 |

MURRIN MURRIN

| RWY                                                     | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 03                                                      | (3)  | 2000 (6562) | 2060 (6758) (1.35%) | 2000 (6562) | 2000 (6562) |
| 21                                                      | (3)  | 2000 (6562) | 2060 (6758) (1.62%) | 2000 (6562) | 2000 (6562) |
| Slope 0.10% down to N. RWY WID 30 RWS WID 150 Graded 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |
|--------|-----------------|
| RWY21- | 2051(6729)(1.6) |
|--------|-----------------|

NARACOORTE

| RWY                                                                         | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-----------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 02                                                                          | (2)  | 1337 (4386) | 1397 (4583) (4.1%)  | 1337 (4386) | 1337 (4386) |
| 20                                                                          | (2)  | 1337 (4386) | 1397 (4583) (1.91%) | 1337 (4386) | 1337 (4386) |
| Slope 0.1% down to S. RWY WID 23 RWS WID 90                                 |      |             |                     |             |             |
| 08                                                                          | (2)  | 1048 (3438) | 1108 (3635) (3.5%)  | 1048 (3438) | 1048 (3438) |
| RESA dimensions 90M X 60M commences from RWS end.                           |      |             |                     |             |             |
| 26                                                                          | (2)  | 1048 (3438) | 1108 (3635) (1.25%) | 1048 (3438) | 1048 (3438) |
| RESA dimensions 90M X 60M commences from RWS end.                           |      |             |                     |             |             |
| APCH SFC 3.3% OBST clear APCH SFC LDG RWY 26 terminates at THR not RWS end. |      |             |                     |             |             |
| Slope 0.1% down to W. RWY WID 18 RWS WID 90                                 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|
| RWY02- | 958(3143)(2.2)  | 1076(3530)(2.5) | 1282(4206)(3.3) |
| RWY20- | 1300(4265)(1.6) | 1396(4580)(1.9) |                 |
| RWY08- | 1054(3458)(3.3) |                 |                 |

NARRABRI

| RWY                                                                                                                                                                  | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 09                                                                                                                                                                   | (1)  | 800 (2625)  | 860 (2821) (5%)     | 800 (2625)  | 800 (2625)  |
| 27                                                                                                                                                                   | (1)  | 800 (2625)  | 860 (2821) (1.2%)   | 800 (2625)  | 800 (2625)  |
| Slope 1.3% down to W. RWY WID 30 RWS WID 90                                                                                                                          |      |             |                     |             |             |
| 18                                                                                                                                                                   | (3)  | 1765 (5791) | 1825 (5987) (2.01%) | 1765 (5791) | 1765 (5791) |
| RESA dimensions 240M X 90M commences from RWS end.                                                                                                                   |      |             |                     |             |             |
| Fence 7.3FT ABV and PARL to RWY 91M E of RCL and fence 6.6FT ABV and PARL to RWY, 86M E of RCL not taken into account in the calculation of TODA gradient and STODA. |      |             |                     |             |             |
| 36                                                                                                                                                                   | (3)  | 1765 (5791) | 1825 (5987) (2.8%)  | 1765 (5791) | 1765 (5791) |
| RESA dimensions 240M X 90M commences from RWS end.                                                                                                                   |      |             |                     |             |             |
| Slope 1.35% down to S for first 377M, 0.4% down to S for next 547M, then 0.9% for remainder.                                                                         |      |             |                     |             |             |
| RWY WID 30 RWS WID 150 Graded 90                                                                                                                                     |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                                 |
|--------|-----------------|-----------------|---------------------------------|
| RWY18- | 1572(5157)(1.6) | 1770(5807)(1.9) |                                 |
| RWY36- | 1313(4308)(1.6) | 1619(5312)(1.9) | 1736(5695)(2.2) 1791(5876)(2.5) |

NARRANDERA

| RWY                                                          | (CN) | TORA        | TODA                | ASDA        | LDA         |
|--------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 05                                                           | (2)  | 1020 (3346) | 1190 (3904) (2.62%) | 1130 (3707) | 900 (2953)  |
| RWY 05 DTHR 120M.                                            |      |             |                     |             |             |
| 23                                                           | (2)  | 1020 (3346) | 1080 (3543) (5.09%) | 1020 (3346) | 1020 (3346) |
| Slope 0.1% down to NE. RWY WID 30 RWS WID 90                 |      |             |                     |             |             |
| 14                                                           | (3)  | 1610 (5282) | 1826 (5991) (5.19%) | 1766 (5794) | 1610 (5282) |
| RESA dimensions 216M X 90M commences from RWY end.           |      |             |                     |             |             |
| 32                                                           | (3)  | 1610 (5282) | 1670 (5479) (1.34%) | 1610 (5282) | 1610 (5282) |
| RESA dimensions 60M X 90M commences from RWY end.            |      |             |                     |             |             |
| Turning nodes at both ends and 540M from THR RWY 14. WID 45. |      |             |                     |             |             |
| Slope 0.1% down to NW. RWY WID 30 RWS WID 150 Graded 90      |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                                                                 |
|--------|-----------------|-----------------|-----------------------------------------------------------------|
| RWY05- | 875(2871)(1.9)  | 1034(3392)(2.2) | 1151(3776)(2.5)                                                 |
| RWY23- | 865(2838)(3.3)  | 1074(3524)(5.0) |                                                                 |
| RWY14- | 1090(3576)(1.6) | 1322(4337)(1.9) | 1486(4875)(2.2) 1610(5282)(2.5) 1711(5613)(3.3) 1818(5964)(5.0) |

NARROMINE

| RWY                                                                                                        | (CN) | TORA        | TODA                 | ASDA        | LDA         |
|------------------------------------------------------------------------------------------------------------|------|-------------|----------------------|-------------|-------------|
| 04                                                                                                         | (2)  | 1100 (3609) | 1160 (3806) (2.89%)  | 1100 (3609) | 1013 (3323) |
| RWY 04 DTHR 87M (285FT).                                                                                   |      |             |                      |             |             |
| 22                                                                                                         | (2)  | 1100 (3609) | 1160 (3806) (6.64%)  | 1100 (3609) | 1100 (3609) |
| Slope Level. RWY WID 30 RWS WID 90                                                                         |      |             |                      |             |             |
| 11                                                                                                         | (3)  | 1521 (4990) | 1581 (5187) (12.79%) | 1521 (4990) | 1521 (4990) |
| CAUTION: Sign 9.4FT ABV and 12M E of RWS end is not taken into account in determining TODA GRAD and STODA. |      |             |                      |             |             |
| 29                                                                                                         | (3)  | 1521 (4990) | 1581 (5187) (1.8%)   | 1521 (4990) | 1263 (4144) |
| RWY 29 DTHR 258M (846FT).                                                                                  |      |             |                      |             |             |
| Slope 0.1% down to W. RWY WID 30 RWS WID 150 Graded 90                                                     |      |             |                      |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |  |
|--------|-----------------|-----------------|-----------------|-----------------|--|
| RWY04- | 931(3054)(2.2)  | 1044(3425)(2.5) |                 |                 |  |
| RWY22- | 845(2772)(2.5)  | 1061(3481)(3.3) | 1139(3737)(5.0) |                 |  |
| RWY11- | 870(2854)(2.2)  | 1068(3504)(2.5) | 1359(4459)(3.3) | 1462(4797)(5.0) |  |
| RWY29- | 1482(4862)(1.6) |                 |                 |                 |  |

NEWMAN

| RWY                                               | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 05                                                | (3)  | 2072 (6798) | 2132 (6995) (1.39%) | 2072 (6798) | 2072 (6798) |
| RESA dimensions 60M X 90M commences from RWY end. |      |             |                     |             |             |
| 23                                                | (3)  | 2072 (6798) | 2132 (6995) (1.94%) | 2072 (6798) | 2072 (6798) |
| RESA dimensions 60M X 90M commences from RWY end. |      |             |                     |             |             |
| Slope 0.1% down to NE. RWY WID 30 RWS WID 150     |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |  |  |  |
|--------|-----------------|-----------------|--|--|--|
| RWY23- | 1897(6224)(1.6) | 2111(6926)(1.9) |  |  |  |
|--------|-----------------|-----------------|--|--|--|

NGUKURR

| RWY                                         | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 11                                          | (2)  | 1530 (5020) | 1590 (5216) (2.87%) | 1530 (5020) | 1530 (5020) |
| 29                                          | (2)  | 1530 (5020) | 1590 (5216) (1.96%) | 1530 (5020) | 1530 (5020) |
| Slope 0.3% down to E. RWY WID 18 RWS WID 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |  |
|--------|-----------------|-----------------|-----------------|-----------------|--|
| RWY11- | 1284(4213)(1.6) | 1388(4554)(1.9) | 1467(4813)(2.2) | 1529(5016)(2.5) |  |
| RWY29- | 1492(4895)(1.6) | 1575(5167)(1.9) |                 |                 |  |

NHILL

| RWY                                         | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 09                                          | (2)  | 1000 (3281) | 1060 (3478) (3.15%) | 1000 (3281) | 1000 (3281) |
| 27                                          | (2)  | 1000 (3281) | 1060 (3478) (2.14%) | 1000 (3281) | 1000 (3281) |
| Slope 0.8% down to W. RWY WID 18 RWS WID 90 |      |             |                     |             |             |
| 18                                          | (1)  | 1102 (3615) | 1162 (3812) (2.64%) | 1102 (3615) | 1102 (3615) |
| 36                                          | (1)  | 1102 (3615) | 1162 (3812) (2.81%) | 1102 (3615) | 1102 (3615) |
| Slope 0.5% down to S. RWY WID 30 RWS WID 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |  |
|--------|-----------------|-----------------|-----------------|-----------------|--|
| RWY09- | 897(2943)(2.5)  |                 |                 |                 |  |
| RWY27- | 876(2874)(1.6)  | 974(3195)(1.9)  |                 |                 |  |
| RWY18- | 1002(3287)(1.6) | 1039(3409)(1.9) | 1092(3583)(2.2) | 1141(3743)(2.5) |  |
| RWY36- | 820(2690)(2.2)  | 973(3192)(2.5)  |                 |                 |  |

NIFTY

| RWY                                               | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 12                                                | (3)  | 2039 (6690) | 2099 (6886) (1.44%) | 2039 (6690) | 2039 (6690) |
| RESA dimensions 90M X 90M commences from RWS end. |      |             |                     |             |             |
| 30                                                | (3)  | 2039 (6690) | 2099 (6886) (3.23%) | 2039 (6690) | 2039 (6690) |
| RESA dimensions 90M X 90M commences from RWS end. |      |             |                     |             |             |
| Slope Level. RWY WID 30 RWS WID 90                |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY30- 1982(6503)(1.6) 2025(6644)(1.9) 2053(6735)(2.2) 2070(6791)(2.5)

NORFOLK ISLAND

| RWY                                                                                                | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 04                                                                                                 | (2)  | 1435 (4708) | 1495 (4905) (3.53%) | 1435 (4708) | 1435 (4708) |
| 22                                                                                                 | (2)  | 1435 (4708) | 1495 (4905) (2.45%) | 1435 (4708) | 1435 (4708) |
| RWY 04/22 APCH & TKOF survey conducted using 90M inner edge WID.                                   |      |             |                     |             |             |
| Slope 0.9% down to SW. RWY WID 30 RWS WID 90                                                       |      |             |                     |             |             |
| 11                                                                                                 | (4)  | 1950 (6398) | 2010 (6594) (1.6%)  | 1950 (6398) | 1890 (6201) |
| 29                                                                                                 | (4)  | 1950 (6398) | 2010 (6594) (1.67%) | 1950 (6398) | 1890 (6201) |
| RESA dimensions 78M X 64M commences from RWY end.                                                  |      |             |                     |             |             |
| TKOF run commences at end starter extension for both directions, 60M beyond THR at either RWY end. |      |             |                     |             |             |
| Slope 0.7% down to W. RWY WID 45 RWS WID 150                                                       |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY04- 1009(3310)(2.5) 1444(4737)(3.3)  
RWY22- 1347(4419)(1.6) 1432(4698)(1.9) 1483(4865)(2.2)  
RWY29- 2001(6565)(1.6)

NORMANTON

| RWY                                                                                                                        | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 14                                                                                                                         | (3)  | 1676 (5499) | 1736 (5695) (2.3%)  | 1676 (5499) | 1676 (5499) |
| RESA dimensions 150M X 60M commences from RWY end.                                                                         |      |             |                     |             |             |
| 1. Unlit OBST fence 7.5FT ABV and 20M SE of RWS end has not been taken into account in calculation of TODA GRAD and STODA. |      |             |                     |             |             |
| 2. 3.33% OBST CLR APCH SFC LDG RWY 14 terminates at THR, not RWS end.                                                      |      |             |                     |             |             |
| 32                                                                                                                         | (3)  | 1676 (5499) | 1736 (5695) (1.91%) | 1676 (5499) | 1676 (5499) |
| RESA dimensions 80M X 60M commences from RWY end.                                                                          |      |             |                     |             |             |
| 1. Unlit OBST fence 6.5FT ABV and 35M N of RWS end has not been taken into account in calculation of TODA GRAD and STODA.  |      |             |                     |             |             |
| 2. 3.33% OBST CLR APCH SFC LDG RWY 32 terminates at THR, not RWS end.                                                      |      |             |                     |             |             |
| Slope 0.8% down to NW. RWY WID 30 RWS WID 150 Graded 90                                                                    |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY14- 1611(5285)(1.6) 1683(5522)(1.9) 1725(5659)(2.2)  
RWY32- 1668(5472)(1.6) 1735(5692)(1.9)

NORTHERN PENINSULA

| RWY                                                                                                                                                                | (CN) | TORA        | TODA                | ASDA        | LDA         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 13                                                                                                                                                                 | (3)  | 1834 (6017) | 1894 (6214) (2.92%) | 1834 (6017) | 1834 (6017) |
| RESA dimensions 90M X 90M commences from RWY end.                                                                                                                  |      |             |                     |             |             |
| TKOF inner edge infringed by fence 1894M FM RWY 13 SOT 1FT ABV CWY (19FT AMSL) and 76M L of CL fence 1894M FM RWY 13 SOT 10FT ABV CWY (28FT AMSL) and 72M R of CL. |      |             |                     |             |             |
| 31                                                                                                                                                                 | (3)  | 1834 (6017) | 1894 (6214) (3.32%) | 1834 (6017) | 1834 (6017) |
| RESA dimensions 60M X 90M commences from RWY end.                                                                                                                  |      |             |                     |             |             |
| 1. Transitional SFC infringed by terrain, apron LGT and IWI on W side.                                                                                             |      |             |                     |             |             |
| 2. Transitional SFC infringed by trees on each side at S end.                                                                                                      |      |             |                     |             |             |
| 3. RWY 13/31 APCH inner edge length 150M.                                                                                                                          |      |             |                     |             |             |
| 4. RWY 13/31 TKOF inner edge length 180M.                                                                                                                          |      |             |                     |             |             |
| Slope 0.3% down to SE. RWY WID 30 RWS WID 90                                                                                                                       |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|
| RWY13- | 1518(4980)(1.6) | 1652(5420)(1.9) | 1753(5751)(2.2) | 1833(6014)(2.5) |
| RWY31- | 1155(3789)(2.2) | 1441(4728)(2.5) | 1885(6184)(3.3) |                 |

NOVA

| RWY                                                      | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 06                                                       | (3)  | 2000 (6562) | 2060 (6758) (2.72%) | 2000 (6562) | 2000 (6562) |
| RESA dimensions 90M X 60M commences from RWS end.        |      |             |                     |             |             |
| 24                                                       | (3)  | 2000 (6562) | 2060 (6758) (2.51%) | 2000 (6562) | 2000 (6562) |
| RESA dimensions 90M X 60M commences from RWS end.        |      |             |                     |             |             |
| RWY 06/24 APCH inner edge length 150M.                   |      |             |                     |             |             |
| Slope 0.46% down to NE. RWY WID 30 RWS WID 150 Graded 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|
| RWY06- | 1724(5656)(1.6) | 1845(6053)(1.9) | 1939(6361)(2.2) | 2013(6604)(2.5) |
| RWY24- | 1801(5909)(1.6) | 1931(6335)(1.9) | 2009(6591)(2.2) | 2059(6755)(2.5) |

NOWRA

| RWY                                                                                                                                                      | (CN)  | TORA        | TODA                  | ASDA        | LDA         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------|-----------------------|-------------|-------------|
| 03                                                                                                                                                       | (MIL) | 2046 (6713) | 2106 (6909) (6.98%)   | 2046 (6713) | 2046 (6713) |
| 21                                                                                                                                                       | (MIL) | 2046 (6713) | 2106 (6909) (6.85%)   | 2046 (6713) | 2046 (6713) |
| TKOF/Climb SFC inner edge WID 180.                                                                                                                       |       |             |                       |             |             |
| Slope down 0.8% to NE to 450M, then down 0.2% to 650M, then up 0.3% to 850M, then up 0.9% to 1850M, then up 0.4% to RWY end. RWY WID 45 RWS WID 230      |       |             |                       |             |             |
| 08                                                                                                                                                       | (MIL) | 2094 (6870) | 2154 (7067) (159.66%) | 2094 (6870) | 2094 (6870) |
| 26                                                                                                                                                       | (MIL) | 2094 (6870) | 2154 (7067) (9.71%)   | 2094 (6870) | 2003 (6571) |
| 1. RWY 26 DTHR 91M.                                                                                                                                      |       |             |                       |             |             |
| 2. TKOF/Climb SFC inner edge WID 180M.                                                                                                                   |       |             |                       |             |             |
| 3. RWS WID RWY 08/26 southern side at start of RWY 26 reduced due perimeter road. RWS WID 58M FM RWY CL (south side) for first 50M, remainder unchanged. |       |             |                       |             |             |
| 4. CAUTION: Transitional SFC at E end RWY 08/26 may be infringed by transient vehicles.                                                                  |       |             |                       |             |             |
| 5. CRITICAL OBSTACLES: WIP REF trees, CTC AD OPR for current status.                                                                                     |       |             |                       |             |             |
| Slope down 2.5% to E to 400M, then down 0.7% to 1200M, then down 0.4% to 1500M, then up 0.3% to 1650M, then up 1.0% to RWY end. RWY WID 45 RWS WID 150   |       |             |                       |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| RWY03- | 802(2631)(1.6)  | 1122(3681)(1.9) | 1204(3950)(2.0) | 1342(4403)(2.2) | 1501(4924)(2.5) |
|        | 1772(5814)(3.3) | 2023(6637)(5.0) |                 |                 |                 |
| RWY21- | 1063(3487)(2.0) | 1336(4383)(2.2) | 1551(5089)(2.5) | 1847(6060)(3.3) | 2007(6585)(5.0) |
| RWY08- | 1981(6499)(1.6) | 2002(6568)(1.9) | 2008(6588)(2.0) | 2019(6624)(2.2) | 2033(6670)(2.5) |
|        | 2058(6752)(3.3) | 2088(6850)(5.0) |                 |                 |                 |
| RWY26- | 971(3186)(2.5)  | 1521(4990)(3.3) | 1862(6109)(5.0) |                 |                 |



NUMBULWAR

| RWY | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-----|------|-------------|---------------------|-------------|-------------|
| 15  | (2)  | 1320 (4331) | 1380 (4528) (2.14%) | 1320 (4331) | 1320 (4331) |
| 33  | (2)  | 1320 (4331) | 1380 (4528) (1.2%)  | 1320 (4331) | 1320 (4331) |

Slope 0.2% down to NW. RWY WID 18 RWS WID 90

SUPPLEMENTARY TAKEOFF DISTANCES

RWY15- 1303(4275)(1.6) 1351(4432)(1.9)

NYNGAN

| RWY | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-----|------|-------------|---------------------|-------------|-------------|
| 05  | (3)  | 1643 (5390) | 1703 (5587) (4.3%)  | 1643 (5390) | 1643 (5390) |
| 23  | (3)  | 1643 (5390) | 1703 (5587) (3.19%) | 1643 (5390) | 1643 (5390) |

Slope Level. RWY WID 30 RWS WID 150 Graded 90

|    |     |             |                     |             |             |
|----|-----|-------------|---------------------|-------------|-------------|
| 18 | (2) | 1065 (3494) | 1125 (3691) (3.03%) | 1065 (3494) | 1065 (3494) |
| 36 | (2) | 1065 (3494) | 1125 (3691) (3.13%) | 1065 (3494) | 1065 (3494) |

Slope Level. RWY WID 30 RWS WID 90

SUPPLEMENTARY TAKEOFF DISTANCES

RWY05- 1256(4121)(1.6) 1437(4715)(1.9) 1556(5105)(2.2) 1648(5407)(2.5) 1695(5561)(3.3)

RWY23- 1084(3556)(1.6) 1321(4334)(1.9) 1466(4810)(2.2) 1570(5151)(2.5)

RWY18- 981(3218)(2.2) 1117(3665)(2.5)

RWY36- 1054(3458)(1.6) 1077(3533)(1.9) 1094(3589)(2.2) 1106(3629)(2.5)

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| OAKEY                                               |                 |                 |                     |                 |             |  |
|-----------------------------------------------------|-----------------|-----------------|---------------------|-----------------|-------------|--|
| RWY                                                 | (CN)            | TORA            | TODA                | ASDA            | LDA         |  |
| 05                                                  | (MIL)           | 914 (2999)      | 974 (3195) (2.42%)  | 914 (2999)      | 914 (2999)  |  |
| 23                                                  | (MIL)           | 914 (2999)      | 974 (3195) (1.36%)  | 914 (2999)      | 914 (2999)  |  |
| 1. TKOF/Climb SFC overall length 2,500M.            |                 |                 |                     |                 |             |  |
| 2. TKOF/Climb SFC inner edge WID 80M.               |                 |                 |                     |                 |             |  |
| Slope 0.19% down to SW. RWY WID 23 RWS WID 90       |                 |                 |                     |                 |             |  |
| 09                                                  | (MIL)           | 1089 (3573)     | 1149 (3770) (1.8%)  | 1089 (3573)     | 1089 (3573) |  |
| 27                                                  | (MIL)           | 1089 (3573)     | 1149 (3770) (2.45%) | 1089 (3573)     | 1089 (3573) |  |
| 1. TKOF/Climb SFC overall length 2,500M.            |                 |                 |                     |                 |             |  |
| 2. TKOF/Climb SFC inner edge WID 80M.               |                 |                 |                     |                 |             |  |
| Slope 0.26% down to W. RWY WID 23 RWS WID 90        |                 |                 |                     |                 |             |  |
| 14                                                  | (MIL)           | 1649 (5410)     | 1709 (5607) (2.97%) | 1649 (5410)     | 1649 (5410) |  |
| 1. RWY 14 2% SUPP GRAD - 1637(5370)                 |                 |                 |                     |                 |             |  |
| 2. RWY 14 5400 FT (H24).                            |                 |                 |                     |                 |             |  |
| 32                                                  | (MIL)           | 1707 (5600)     | 1767 (5797) (1.35%) | 1707 (5600)     | 1707 (5600) |  |
| 1. RWY 32 reduced to 5,400FT (HN).                  |                 |                 |                     |                 |             |  |
| 2. TKOF/Climb SFC inner edge WID 180.               |                 |                 |                     |                 |             |  |
| 3. Extra pavement 58M included in AVBL RWY 32 TORA. |                 |                 |                     |                 |             |  |
| 4. TKOF/climb SFC overall length 15,000M.           |                 |                 |                     |                 |             |  |
| Slope 0.02% down to NW. RWY WID 30 RWS WID 90       |                 |                 |                     |                 |             |  |
| SUPPLEMENTARY TAKEOFF DISTANCES                     |                 |                 |                     |                 |             |  |
| RWY05-                                              | 802(2631)(1.9)  | 844(2769)(2.0)  | 915(3002)(2.2)      |                 |             |  |
| RWY09-                                              | 1131(3711)(1.6) |                 |                     |                 |             |  |
| RWY27-                                              | 944(3097)(1.9)  | 988(3241)(2.0)  | 1065(3494)(2.2)     |                 |             |  |
| RWY14-                                              | 1212(3976)(1.9) | 1633(5358)(2.0) | 1654(5426)(2.2)     | 1680(5512)(2.5) |             |  |

| OENPELLI                                                      |                 |                 |                     |                 |             |  |
|---------------------------------------------------------------|-----------------|-----------------|---------------------|-----------------|-------------|--|
| RWY                                                           | (CN)            | TORA            | TODA                | ASDA            | LDA         |  |
| 12                                                            | (2)             | 1320 (4331)     | 1380 (4528) (2.38%) | 1320 (4331)     | 1320 (4331) |  |
| 30                                                            | (2)             | 1320 (4331)     | 1380 (4528) (2.77%) | 1320 (4331)     | 1320 (4331) |  |
| Slope 0.2% down to NW, 0.2% down to SE. RWY WID 18 RWS WID 90 |                 |                 |                     |                 |             |  |
| SUPPLEMENTARY TAKEOFF DISTANCES                               |                 |                 |                     |                 |             |  |
| RWY12-                                                        | 1160(3806)(1.6) | 1263(4144)(1.9) | 1340(4396)(2.2)     |                 |             |  |
| RWY30-                                                        | 1238(4062)(1.6) | 1289(4229)(1.9) | 1328(4357)(2.2)     | 1357(4452)(2.5) |             |  |

| OLYMPIC DAM                                                                   |                 |                 |                     |                 |             |  |
|-------------------------------------------------------------------------------|-----------------|-----------------|---------------------|-----------------|-------------|--|
| RWY                                                                           | (CN)            | TORA            | TODA                | ASDA            | LDA         |  |
| 07                                                                            | (3)             | 1860 (6102)     | 1920 (6299) (3.23%) | 1860 (6102)     | 1860 (6102) |  |
| RESA dimensions 90M X 90M commences from RWY end.                             |                 |                 |                     |                 |             |  |
| 25                                                                            | (3)             | 1860 (6102)     | 1920 (6299) (1.86%) | 1860 (6102)     | 1860 (6102) |  |
| RESA dimensions 90M X 90M commences from RWY end.                             |                 |                 |                     |                 |             |  |
| TNS infringed by trees north side.                                            |                 |                 |                     |                 |             |  |
| Slope E end 400M 0.6% down to W, W end 0.5% down to E. RWY WID 30 RWS WID 150 |                 |                 |                     |                 |             |  |
| Graded 90                                                                     |                 |                 |                     |                 |             |  |
| SUPPLEMENTARY TAKEOFF DISTANCES                                               |                 |                 |                     |                 |             |  |
| RWY07-                                                                        | 1379(4524)(1.6) | 1539(5049)(1.9) | 1678(5505)(2.2)     | 1777(5830)(2.5) |             |  |
| RWY25-                                                                        | 1450(4757)(1.6) |                 |                     |                 |             |  |

ON SLOW

| RWY                                               | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 03                                                | (3)  | 1900 (6234) | 1960 (6430) (2%)    | 1900 (6234) | 1900 (6234) |
| RESA dimensions 90M X 60M commences from RWS end. |      |             |                     |             |             |
| 21                                                | (3)  | 1900 (6234) | 1960 (6430) (1.65%) | 1900 (6234) | 1900 (6234) |
| RESA dimensions 90M X 60M commences from RWS end. |      |             |                     |             |             |
| RWY 03/21 APCH inner edge length 150M.            |      |             |                     |             |             |
| Slope 0%. RWY WID 30 RWS WID 150 Graded 90        |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |
|--------|-----------------|-----------------|
| RWY03- | 1436(4711)(1.6) | 1850(6069)(1.9) |
| RWY21- | 1956(6417)(1.6) |                 |

ORANGE

| RWY                                                    | (CN) | TORA        | TODA                | ASDA        | LDA         |
|--------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 04                                                     | (1)  | 964 (3163)  | 1024 (3360) (5.28%) | 964 (3163)  | 964 (3163)  |
| 22                                                     | (1)  | 964 (3163)  | 1024 (3360) (3.52%) | 964 (3163)  | 964 (3163)  |
| Slope 0.9% down to NE. RWY WID 30 RWS WID 90           |      |             |                     |             |             |
| 11                                                     | (3)  | 2213 (7260) | 2335 (7661) (2.17%) | 2213 (7260) | 2213 (7260) |
| 29                                                     | (3)  | 2213 (7260) | 2273 (7457) (3.3%)  | 2213 (7260) | 2213 (7260) |
| Slope 0.2% down to W. RWY WID 30 RWS WID 150 Graded 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                                 |
|--------|-----------------|-----------------|---------------------------------|
| RWY04- | 841(2759)(2.5)  | 943(3094)(3.3)  | 1011(3317)(5.0)                 |
| RWY22- | 962(3156)(3.3)  |                 |                                 |
| RWY11- | 2116(6942)(1.6) | 2261(7418)(1.9) |                                 |
| RWY29- | 1653(5423)(1.6) | 1883(6178)(1.9) | 2000(6562)(2.2) 2096(6877)(2.5) |

ORBOST

| RWY                                                   | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 07                                                    | (2)  | 1140 (3740) | 1200 (3937) (2.36%) | 1140 (3740) | 1140 (3740) |
| RESA dimensions 120M X 90M commences from RWY end.    |      |             |                     |             |             |
| 25                                                    | (2)  | 1140 (3740) | 1200 (3937) (2.88%) | 1140 (3740) | 1140 (3740) |
| RESA dimensions 60M X 90M commences from RWY end.     |      |             |                     |             |             |
| Slope 0.4% down to E. RWY WID 18 RWS WID 90 Graded 80 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                |                 |
|--------|----------------|-----------------|
| RWY07- | 987(3238)(1.9) | 1135(3724)(2.2) |
| RWY25- | 918(3012)(2.2) | 1070(3510)(2.5) |

OSBORNE MINE

| RWY                                               | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 12                                                | (2)  | 2000 (6562) | 2060 (6758) (2.79%) | 2000 (6562) | 2000 (6562) |
| RESA dimensions 90M X 60M commences from RWY end. |      |             |                     |             |             |
| 30                                                | (2)  | 2000 (6562) | 2060 (6758) (2.38%) | 2000 (6562) | 2000 (6562) |
| RESA dimensions 90M X 60M commences from RWY end. |      |             |                     |             |             |
| Slope 0.58% down to SE. RWY WID 23 RWS WID 90     |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|
| RWY12- | 1710(5610)(1.6) | 1802(5912)(1.9) | 1895(6217)(2.2) | 1987(6519)(2.5) |
| RWY30- | 1897(6224)(1.6) | 1993(6539)(1.9) | 2039(6690)(2.2) |                 |

**PALM ISLAND**

| RWY                                                                               | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-----------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 14                                                                                | (2)  | 1135 (3724) | 1195 (3921) (1.2%)  | 1135 (3724) | 1135 (3724) |
| 32                                                                                | (2)  | 1135 (3724) | 1195 (3921) (2.82%) | 1135 (3724) | 1135 (3724) |
| Transitional SFC infringed by trees up to 36FT, IWL by 16FT, terrain on NE side.  |      |             |                     |             |             |
| RWY 14/32 APCH inner edge length 90M.                                             |      |             |                     |             |             |
| Slope 0.4% down to NW, and 0.8% down to SE from RWY centre. RWY WID 18 RWS WID 80 |      |             |                     |             |             |

**SUPPLEMENTARY TAKEOFF DISTANCES**

RWY32- 1048(3438)(1.6) 1103(3619)(1.9) 1142(3747)(2.2) 1171(3842)(2.5)

**PARABURDOO**

| RWY                                            | (CN) | TORA        | TODA                | ASDA        | LDA         |
|------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 06                                             | (4)  | 2132 (6995) | 2192 (7192) (1.77%) | 2132 (6995) | 2132 (6995) |
| 24                                             | (4)  | 2132 (6995) | 2192 (7192) (1.2%)  | 2132 (6995) | 2132 (6995) |
| RWY 06/24 length of approach inner edge 280M.  |      |             |                     |             |             |
| Slope 0.45% down to SW. RWY WID 45 RWS WID 280 |      |             |                     |             |             |

**SUPPLEMENTARY TAKEOFF DISTANCES**

RWY06- 2172(7126)(1.6)

**PARKES**

| RWY                                                                                                                | (CN) | TORA        | TODA                | ASDA        | LDA         |
|--------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 04                                                                                                                 | (3)  | 1684 (5525) | 1744 (5722) (2.22%) | 1684 (5525) | 1684 (5525) |
| RESA dimensions 98M X 30M commences from RWY end.                                                                  |      |             |                     |             |             |
| 22                                                                                                                 | (3)  | 1684 (5525) | 1744 (5722) (3.76%) | 1684 (5525) | 1684 (5525) |
| RESA dimensions 98M X 30M commences from RWY end.                                                                  |      |             |                     |             |             |
| Slope 0.7% down to SW. RWY WID 30 RWS WID 150 Graded 150                                                           |      |             |                     |             |             |
| 11                                                                                                                 | (2)  | 1623 (5325) | 1683 (5522) (4.05%) | 1623 (5325) | 1623 (5325) |
| RESA dimensions 91M X 30M commences from RWY end.                                                                  |      |             |                     |             |             |
| CAUTION: Fence 5.8FT ABV and 20M from RWS end is not taken into account in the calculation of TODA GRAD and STODA. |      |             |                     |             |             |
| 29                                                                                                                 | (2)  | 1623 (5325) | 1683 (5522) (2.44%) | 1623 (5325) | 1450 (4757) |
| RESA dimensions 110M X 30M commences from RWY end.                                                                 |      |             |                     |             |             |
| RWY 29 DTHR 173M (567FT).                                                                                          |      |             |                     |             |             |
| Slope 0.7% down to W. RWY WID 30 RWS WID 90                                                                        |      |             |                     |             |             |

**SUPPLEMENTARY TAKEOFF DISTANCES**

RWY04- 1145(3757)(1.9) 1726(5663)(2.2)  
RWY22- 1258(4127)(1.6) 1373(4505)(1.9) 1469(4819)(2.2) 1543(5062)(2.5) 1680(5512)(3.3)  
RWY11- 1335(4380)(3.3)  
RWY29- 1377(4518)(1.6) 1565(5134)(1.9) 1628(5341)(2.2)

PEARCE

| RWY                                                                                   | (CN)  | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------------------------------------------|-------|-------------|---------------------|-------------|-------------|
| 05                                                                                    | (MIL) | 1691 (5548) | 1751 (5745) (6.75%) | 1691 (5548) | 1691 (5548) |
| 23                                                                                    | (MIL) | 1691 (5548) | 1751 (5745) (6.58%) | 1691 (5548) | 1691 (5548) |
| 1. CWY RWY 05 and RWY 23 60M. SWY both RWY nil.                                       |       |             |                     |             |             |
| 2. TKOF/CLIMB SFC inner edge WID 180M.                                                |       |             |                     |             |             |
| Slope 0.64% down to SW. RWY WID 45 RWS WID 230                                        |       |             |                     |             |             |
| 18L                                                                                   | (MIL) | 2974 (9757) | 3034 (9954) (0%)    | 2974 (9757) | 2439 (8002) |
| RWY 18L DTHR 535M.                                                                    |       |             |                     |             |             |
| 36R                                                                                   | (MIL) | 2974 (9757) | 3034 (9954) (0%)    | 2974 (9757) | 2974 (9757) |
| 1. CWY RWY 18L and RWY 36R 60M. SWY both RWY nil.                                     |       |             |                     |             |             |
| 2. TKOF/CLIMB SFC inner edge WID 180M.                                                |       |             |                     |             |             |
| 3. TODA gradient not provided due arrestor barrier forming an obstruction in the CWY. |       |             |                     |             |             |
| Slope 0.23% up to S to 594M then, 0.55% up to 1437M, then down 0.45% to RWY end. RWY  |       |             |                     |             |             |
| WID 45 RWS WID 280 Graded 180                                                         |       |             |                     |             |             |
| 18R                                                                                   | (MIL) | 1741 (5712) | 1801 (5909) (0%)    | 1801 (5909) | 1741 (5712) |
| Refer AD OPR for TODA GRAD details.                                                   |       |             |                     |             |             |
| 36L                                                                                   | (MIL) | 1741 (5712) | 1801 (5909) (0%)    | 1801 (5909) | 1741 (5712) |
| Refer AD OPR for TODA GRAD details.                                                   |       |             |                     |             |             |
| Slope 0.35% down to S. Exists WI RWS 18L/36R. RWY WID 30                              |       |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES  
ARRESTOR BARRIER ERECTED (Net Poles 21FT AGL)

|         |                  |                  |                  |                  |
|---------|------------------|------------------|------------------|------------------|
| RWY 18L | 2477(8128)(1.6%) | 2593(8506)(1.9%) | 2621(8599)(2.0%) | 2668(8754)(2.2%) |
|         | 2722(8930)(2.5%) | 2809(9217)(3.3%) | 2893(9493)(5.0%) |                  |
| RWY 36R | 2477(8128)(1.6%) | 2593(8506)(1.9%) | 2621(8599)(2.0%) | 2668(8754)(2.2%) |
|         | 2722(8930)(2.5%) | 2809(9217)(3.3%) | 2893(9493)5.0%)  |                  |

ARRESTOR BARRIER RETRACTED (Net Poles 5FT AGL)

|         |                  |                  |                  |                  |
|---------|------------------|------------------|------------------|------------------|
| RWY 18L | 2901(9519)(1.6%) | 2929(9609)(1.9%) | 2936(9631)(2.0%) | 2947(9668)(2.2%) |
|         | 2960(9710)(2.5%) | 2981(9779)(3.3%) | 3001(9844)(5.0%) |                  |
| RWY 36R | 2520(8267)(1.6%) | 2785(9136)(1.9%) | 2853(9360)(2.0%) | 2947(9668)(2.2%) |
|         | 2960(9710)(2.5%) | 2981(9779)(3.3%) | 3001(9844)(5.0%) |                  |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| RWY05- | 1658(5440)(5.0) |                 |                 |                 |                 |
| RWY23- | 1320(4331)(1.6) | 1393(4570)(1.9) | 1413(4636)(2.0) | 1450(4757)(2.2) | 1497(4911)(2.5) |
|        | 1586(5203)(3.3) | 1692(5551)(5.0) |                 |                 |                 |

TAXIWAY INTERSECTION DECLARED DISTANCES

|         |                                            |                               |
|---------|--------------------------------------------|-------------------------------|
| RWY18L- | TKOF from INT RWYRWY remaining 1875(6152)  | reduce all DIST by 1099(3606) |
|         | 05/23;                                     |                               |
| RWY18L- | TKOF from TWY A3; RWY remaining 2439(8002) | reduce all DIST by 535(1755)  |
| RWY18L- | TKOF from TWY D2; RWY remaining 1632(5354) | reduce all DIST by 1342(4403) |
| RWY36R- | TKOF from TWY C1; RWY remaining 2324(7625) | reduce all DIST by 650(2133)  |
| RWY36R- | TKOF from TWY E1; RWY remaining 1685(5528) | reduce all DIST by 1289(4229) |

**PERTH**

| <b>RWY</b>                                                                                             | <b>(CN)</b> | <b>TORA</b>  | <b>TODA</b>          | <b>ASDA</b>  | <b>LDA</b>   |
|--------------------------------------------------------------------------------------------------------|-------------|--------------|----------------------|--------------|--------------|
| 03                                                                                                     | (4)         | 3444 (11299) | 3504 (11496) (2.04%) | 3444 (11299) | 3444 (11299) |
| RESA dimensions 90M X 90M commences from RWS end.                                                      |             |              |                      |              |              |
| 21                                                                                                     | (4)         | 3444 (11299) | 3644 (11955) (2.75%) | 3444 (11299) | 3444 (11299) |
| RESA dimensions 90M X 90M commences from RWS end.                                                      |             |              |                      |              |              |
| 1. RWY 03/21: Transitional SFC infringed W side 300M FM RWY 03 THR. OBST is illuminated WDI 94FT AMSL. |             |              |                      |              |              |
| 2. OLS extensively infringed by terrain E of AD.                                                       |             |              |                      |              |              |
| Slope 0.2% down to N. RWY WID 45 RWS WID 300 Graded 150                                                |             |              |                      |              |              |
| 06                                                                                                     | (4)         | 2163 (7096)  | 2224 (7296) (2.39%)  | 2163 (7096)  | 2163 (7096)  |
| RESA dimensions 90M X 90M commences from RWS end.                                                      |             |              |                      |              |              |
| 24                                                                                                     | (4)         | 2163 (7096)  | 2224 (7296) (2.29%)  | 2163 (7096)  | 2163 (7096)  |
| RESA dimensions 90M X 90M commences from RWS end.                                                      |             |              |                      |              |              |
| OLS extensively infringed by terrain E of AD.                                                          |             |              |                      |              |              |
| Slope from THR 0.1% down to centre. RWY WID 45 RWS WID 300 Graded 150                                  |             |              |                      |              |              |

**SUPPLEMENTARY TAKEOFF DISTANCES**

RWY03- 3353(11001)(1.6) 3465(11368)(1.9)  
 RWY21- 3353(11001)(1.6) 3544(11627)(1.9) 3627(11899)(2.2) 3637(11932)(2.5)  
 RWY06- 1332(4370)(2.2)  
 RWY24- 1736(5695)(1.6) 2024(6640)(1.9) 2185(7169)(2.2)

**TAXIWAY INTERSECTION DECLARED DISTANCES**

RWY03- TKOF from TWY A7; RWY remaining 2035(6676) reduce all DIST by 1409(4623)  
 RWY03- TKOF from TWY A9; RWY remaining 2535(8317) reduce all DIST by 909(2982)  
 RWY03- TKOF from TWY C9; RWY remaining 2535(8317) reduce all DIST by 909(2982)  
 RWY21- TKOF from TWY D; RWY remaining 2680(8793) reduce all DIST by 764(2507)  
 RWY06- TKOF from TWY J1; RWY remaining 1819(5968) reduce all DIST by 344(1129)

**PERTH/JANDAKOT**

| <b>RWY</b>                                        | <b>(CN)</b> | <b>TORA</b> | <b>TODA</b>         | <b>ASDA</b> | <b>LDA</b>  |
|---------------------------------------------------|-------------|-------------|---------------------|-------------|-------------|
| 06L                                               | (2)         | 1392 (4567) | 1452 (4764) (2.41%) | 1392 (4567) | 1274 (4180) |
| RESA dimensions 60M X 90M commences from RWY end. |             |             |                     |             |             |
| 1. RWY 06L DTHR 118M (387FT).                     |             |             |                     |             |             |
| 2. APCH inner edge length 90M.                    |             |             |                     |             |             |
| 24R                                               | (2)         | 1392 (4567) | 1452 (4764) (2.92%) | 1392 (4567) | 1246 (4088) |
| RESA dimensions 60M X 90M commences from RWY end. |             |             |                     |             |             |
| 1. RWY 24R DTHR 146M (479FT).                     |             |             |                     |             |             |
| 2. APCH inner edge length 90M.                    |             |             |                     |             |             |
| Slope Level. RWY WID 30 RWS WID 90                |             |             |                     |             |             |
| 06R                                               | (1)         | 1150 (3773) | 1210 (3970) (3.59%) | 1150 (3773) | 1150 (3773) |
| 24L                                               | (1)         | 1150 (3773) | 1324 (4344) (2.51%) | 1150 (3773) | 1150 (3773) |
| Slope Level. RWY WID 18 RWS WID 90                |             |             |                     |             |             |
| 12                                                | (2)         | 1508 (4947) | 1568 (5144) (1.87%) | 1508 (4947) | 1508 (4947) |
| APCH inner edge length 90M.                       |             |             |                     |             |             |
| 30                                                | (2)         | 1508 (4947) | 1568 (5144) (3.25%) | 1508 (4947) | 1508 (4947) |
| RESA dimensions 60M X 90M commences from RWY end. |             |             |                     |             |             |
| APCH inner edge length 90M.                       |             |             |                     |             |             |
| Slope Level. RWY WID 30 RWS WID 90                |             |             |                     |             |             |

**SUPPLEMENTARY TAKEOFF DISTANCES**

RWY06L- 1234(4049)(1.6) 1336(4383)(1.9) 1409(4623)(2.2)  
 RWY24R- 912(2992)(1.9) 1122(3681)(2.2) 1282(4206)(2.5)  
 RWY06R- 906(2972)(1.9) 994(3261)(2.2) 1060(3478)(2.5) 1179(3868)(3.3)  
 RWY24L- 807(2648)(1.6) 1125(3691)(1.9) 1242(4075)(2.2) 1319(4327)(2.5)  
 RWY12- 1486(4875)(1.6)  
 RWY30- 805(2641)(1.9) 1055(3461)(2.2) 1245(4085)(2.5)

TAXIWAY INTERSECTION DECLARED DISTANCES

|         |                   |                          |                              |
|---------|-------------------|--------------------------|------------------------------|
| RWY06L- | TKOF from TWY B1; | RWY remaining 1265(4150) | reduce all DIST by 127(417)  |
| RWY06L- | TKOF from TWY B2; | RWY remaining 970(3182)  | reduce all DIST by 422(1384) |
| RWY24R- | TKOF from TWY B4; | RWY remaining 1025(3363) | reduce all DIST by 360(1181) |
| RWY24R- | TKOF from TWY B5; | RWY remaining 1240(4068) | reduce all DIST by 145(476)  |
| RWY06R- | TKOF from TWY G;  | RWY remaining 1085(3560) | reduce all DIST by 65(213)   |
| RWY30-  | TKOF from TWY K3; | RWY remaining 990(3248)  | reduce all DIST by 518(1699) |
| RWY30-  | TKOF from TWY S4; | RWY remaining 990(3248)  | reduce all DIST by 518(1699) |

PETERBOROUGH/GREAT OCEAN ROAD

| RWY                                                   | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 08                                                    | (1)  | 1142 (3747) | 1202 (3944) (4.53%) | 1142 (3747) | 1142 (3747) |
| RESA dimensions 60M X 90M commences from SWY end.     |      |             |                     |             |             |
| 26                                                    | (1)  | 1142 (3747) | 1202 (3944) (4.47%) | 1142 (3747) | 1142 (3747) |
| RESA dimensions 60M X 90M commences from SWY end.     |      |             |                     |             |             |
| Slope 1.9% down to W. RWY WID 30 RWS WID 90 Graded 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                                                 |
|--------|-----------------|-----------------|-------------------------------------------------|
| RWY08- | 1127(3697)(2.2) | 1157(3796)(2.5) | 1184(3884)(3.3)                                 |
| RWY26- | 1104(3622)(1.6) | 1118(3668)(1.9) | 1130(3707)(2.2) 1140(3740)(2.5) 1174(3852)(3.3) |

PLUTONIC

| RWY                                                | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 07                                                 | (3)  | 2069 (6788) | 2129 (6985) (3.38%) | 2069 (6788) | 2069 (6788) |
| RESA dimensions 90M x 60M commences from RWS end.  |      |             |                     |             |             |
| 25                                                 | (3)  | 2069 (6788) | 2129 (6985) (1.5%)  | 2069 (6788) | 2069 (6788) |
| RESA dimensions 90M x 60M commences from RWS end.  |      |             |                     |             |             |
| APCH SFC inner edge 90M. TKOF SFC inner edge 180M. |      |             |                     |             |             |
| Slope 0.49% down to W. RWY WID 30 RWS WID 90       |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                                                 |
|--------|-----------------|-----------------|-------------------------------------------------|
| RWY07- | 1587(5207)(1.6) | 1735(5692)(1.9) | 1849(6066)(2.2) 1941(6368)(2.5) 2114(6936)(3.3) |
|--------|-----------------|-----------------|-------------------------------------------------|

POINT COOK

| RWY                                 | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-------------------------------------|------|-------------|---------------------|-------------|-------------|
| 04                                  | (2)  | 1135 (3724) | 1195 (3921) (2.78%) | 1135 (3724) | 1135 (3724) |
| 22                                  | (2)  | 1135 (3724) | 1195 (3921) (2.32%) | 1135 (3724) | 1135 (3724) |
| Slope Level. RWY WID 45 RWS WID 150 |      |             |                     |             |             |
| 08                                  | (2)  | 1066 (3497) | 1126 (3694) (2.23%) | 1066 (3497) | 1066 (3497) |
| 26                                  | (2)  | 1066 (3497) | 1126 (3694) (4.06%) | 1066 (3497) | 1066 (3497) |
| Slope Level. RWY WID 45 RWS WID 150 |      |             |                     |             |             |
| 17                                  | (3)  | 1371 (4498) | 1431 (4695) (4.4%)  | 1371 (4498) | 1371 (4498) |
| 35                                  | (3)  | 1371 (4498) | 1431 (4695) (3.54%) | 1371 (4498) | 1371 (4498) |

1. RWY 17: CAUTION: 3.3% OBST clear APCH SFC LDG RWY 17 terminates at THR not RWS end.

2. RWY 35: CAUTION: Fence 9.8FT ABV and at RWS end is not taken into account in the calculation of TODA GRAD and STODA.

Slope Level. RWY WID 45 RWS WID 150

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                                                 |
|--------|-----------------|-----------------|-------------------------------------------------|
| RWY04- | 1033(3389)(1.6) | 1093(3586)(1.9) | 1137(3730)(2.2) 1170(3839)(2.5)                 |
| RWY22- | 990(3248)(1.6)  | 1090(3576)(1.9) | 1166(3825)(2.2)                                 |
| RWY08- | 1046(3432)(1.6) | 1088(3570)(1.9) | 1123(3684)(2.2)                                 |
| RWY26- | 867(2844)(2.5)  | 1036(3399)(3.3) |                                                 |
| RWY17- | 1313(4308)(1.6) | 1341(4400)(1.9) | 1361(4465)(2.2) 1377(4518)(2.5) 1407(4616)(3.3) |
| RWY35- | 967(3173)(1.9)  | 1125(3691)(2.2) | 1226(4022)(2.5) 1397(4583)(3.3)                 |



POONCARIE

| RWY | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-----|------|-------------|---------------------|-------------|-------------|
| 06  | (1)  | 1053 (3455) | 1113 (3652) (2.13%) | 1053 (3455) | 1053 (3455) |
| 24  | (1)  | 1053 (3455) | 1113 (3652) (3.67%) | 1053 (3455) | 1053 (3455) |

Slope 0.2% down to NE. RWY WID 18 RWS WID 90

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |  |
|--------|-----------------|-----------------|-----------------|-----------------|--|
| RWY06- | 1001(3284)(1.6) | 1075(3527)(1.9) |                 |                 |  |
| RWY24- | 849(2785)(1.9)  | 935(3068)(2.2)  | 1000(3281)(2.5) | 1099(3606)(3.3) |  |

PORMPURA AW

| RWY | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-----|------|-------------|---------------------|-------------|-------------|
| 14  | (2)  | 1360 (4462) | 1600 (5249) (2.42%) | 1360 (4462) | 1360 (4462) |
| 32  | (2)  | 1360 (4462) | 1420 (4659) (1.91%) | 1360 (4462) | 1360 (4462) |

Approach and TKOF inner edge WID 90M non standard.

Slope Level. RWY WID 30 RWS WID 90

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |  |  |
|--------|-----------------|-----------------|-----------------|--|--|
| RWY14- | 1418(4652)(1.6) | 1506(4941)(1.9) | 1565(5134)(2.2) |  |  |
| RWY32- | 1365(4478)(1.6) | 1417(4649)(1.9) |                 |  |  |

PORT AUGUSTA

| RWY | (CN) | TORA                                              | TODA                | ASDA        | LDA         |
|-----|------|---------------------------------------------------|---------------------|-------------|-------------|
| 15  | (3)  | 1650 (5413)                                       | 1710 (5610) (1.71%) | 1650 (5413) | 1650 (5413) |
|     |      | RESA dimensions 90M X 60M commences from RWY end. |                     |             |             |
| 33  | (3)  | 1650 (5413)                                       | 1710 (5610) (2.66%) | 1650 (5413) | 1650 (5413) |

RESA dimensions 90M X 60M commences from RWY end.

TKOF RWY 33 OBST mound 5FT ABV and 48M N of RWS end not taken into account in determination of TODA, GRAD and STODA.

Slope NW end 510M 0.88% down to SE, SE end 1140M level. RWY WID 30 RWS WID 150

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |  |
|--------|-----------------|-----------------|-----------------|-----------------|--|
| RWY15- | 1697(5568)(1.6) |                 |                 |                 |  |
| RWY33- | 1594(5230)(1.6) | 1657(5436)(1.9) | 1685(5528)(2.2) | 1703(5587)(2.5) |  |

PORT HEDLAND

| RWY | (CN) | TORA                                                     | TODA                | ASDA        | LDA         |
|-----|------|----------------------------------------------------------|---------------------|-------------|-------------|
| 14  | (4)  | 2500 (8202)                                              | 2560 (8399) (1.53%) | 2500 (8202) | 2500 (8202) |
|     |      | RESA dimensions 120M X 90M commences from RWY end.       |                     |             |             |
| 32  | (4)  | 2500 (8202)                                              | 2560 (8399) (1.2%)  | 2500 (8202) | 2500 (8202) |
|     |      | RESA dimensions 120M X 90M commences from RWY end.       |                     |             |             |
|     |      | Slope 0.1% down to NW. RWY WID 45 RWS WID 300 Graded 150 |                     |             |             |
| 18  | (1)  | 1000 (3281)                                              | 1060 (3478) (1.2%)  | 1000 (3281) | 1000 (3281) |
| 36  | (1)  | 1000 (3281)                                              | 1060 (3478) (1.58%) | 1000 (3281) | 1000 (3281) |

Slope Level. RWY WID 18 RWS WID 90

TAXIWAY INTERSECTION DECLARED DISTANCES

|        |                  |                          |                               |
|--------|------------------|--------------------------|-------------------------------|
| RWY14- | TKOF from TWY A; | RWY remaining 1478(4849) | reduce all DIST by 1022(3353) |
| RWY14- | TKOF from TWY G; | RWY remaining 1280(4199) | reduce all DIST by 1220(4003) |
| RWY32- | TKOF from TWY A; | RWY remaining 1045(3428) | reduce all DIST by 1455(4774) |
| RWY32- | TKOF from TWY D; | RWY remaining 1969(6460) | reduce all DIST by 531(1742)  |
| RWY32- | TKOF from TWY G; | RWY remaining 1243(4078) | reduce all DIST by 1257(4124) |

PORT HEDLAND/WODGINA

| RWY                                                      | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 09                                                       | (3)  | 2100 (6890) | 2160 (7087) (2.48%) | 2100 (6890) | 2100 (6890) |
| RESA dimensions 90M X 60M commences from RWS end.        |      |             |                     |             |             |
| 27                                                       | (3)  | 2100 (6890) | 2160 (7087) (1.74%) | 2100 (6890) | 2100 (6890) |
| RESA dimensions 90M X 60M commences from RWS end.        |      |             |                     |             |             |
| RWY 09/27 APCH inner edge length 300M.                   |      |             |                     |             |             |
| Slope 0.16% down to W. RWY WID 30 RWS WID 300 Graded 150 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|
| RWY09- | 2041(6696)(1.6) | 2094(6870)(1.9) | 2132(6995)(2.2) |
| RWY27- | 2147(7044)(1.6) |                 |                 |

PORT KEATS

| RWY                                               | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 16                                                | (2)  | 1410 (4626) | 1470 (4823) (3.28%) | 1410 (4626) | 1410 (4626) |
| RESA dimensions 46M X 46M commences from RWY end. |      |             |                     |             |             |
| 34                                                | (2)  | 1410 (4626) | 1470 (4823) (3%)    | 1410 (4626) | 1410 (4626) |
| RESA dimensions 60M X 46M commences from RWY end. |      |             |                     |             |             |
| RWY 16/34 APCH inner edge length 90M.             |      |             |                     |             |             |
| Slope 0.6% down to NW. RWY WID 23 RWS WID 90      |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|
| RWY16- | 955(3133)(2.2)  | 1156(3793)(2.5) |                 |                 |
| RWY34- | 1310(4298)(1.6) | 1375(4511)(1.9) | 1417(4649)(2.2) | 1439(4721)(2.5) |

PORT LINCOLN

| RWY                                                                                                         | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 01                                                                                                          | (3)  | 1499 (4918) | 1559 (5115) (2.47%) | 1499 (4918) | 1499 (4918) |
| RESA dimensions 150M X 90M commences from RWY end.                                                          |      |             |                     |             |             |
| OBST fence 3.6FT ABV and 32M N of RWS end not taken into account in the calculation of TODA GRAD and STODA. |      |             |                     |             |             |
| 19                                                                                                          | (3)  | 1499 (4918) | 1600 (5249) (2.64%) | 1499 (4918) | 1499 (4918) |
| RESA dimensions 90M X 90M commences from RWY end.                                                           |      |             |                     |             |             |
| Slope 0.2% down to S. RWY WID 30 RWS WID 150 Graded 90                                                      |      |             |                     |             |             |
| 05                                                                                                          | (2)  | 1275 (4183) | 1335 (4380) (3%)    | 1275 (4183) | 1275 (4183) |
| 23                                                                                                          | (2)  | 1275 (4183) | 1335 (4380) (3.64%) | 1275 (4183) | 1275 (4183) |
| Slope 0.2% down to NE. RWY WID 30 RWS WID 90                                                                |      |             |                     |             |             |
| 15                                                                                                          | (3)  | 1450 (4757) | 1510 (4954) (2.86%) | 1450 (4757) | 1450 (4757) |
| 33                                                                                                          | (3)  | 1450 (4757) | 1510 (4954) (3.47%) | 1450 (4757) | 1450 (4757) |
| 1. RWY reference code based on 90M approach inner edge WID and 90M TKOF inner edge WID.                     |      |             |                     |             |             |
| 2. AVBL RPT OPS HJ only, due OBST Limitation SFC.                                                           |      |             |                     |             |             |
| Slope 0.6% down to SE. RWY WID 30 RWS WID 90                                                                |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|
| RWY19- | 1469(4819)(1.6) | 1519(4984)(1.9) | 1559(5115)(2.2) | 1589(5213)(2.5) |
| RWY05- | 1305(4281)(1.6) | 1315(4314)(1.9) | 1322(4337)(2.2) | 1328(4357)(2.5) |
| RWY23- | 1156(3793)(3.3) |                 |                 |                 |
| RWY15- | 1460(4790)(1.6) | 1477(4846)(1.9) | 1500(4921)(2.2) |                 |
| RWY33- | 1054(3458)(1.9) | 1220(4003)(2.2) | 1334(4377)(2.5) | 1494(4902)(3.3) |

PORT MACQUARIE

| RWY                                                                           | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 03                                                                            | (4)  | 1800 (5905) | 1860 (6102) (4.18%) | 1800 (5905) | 1800 (5905) |
| RESA dimensions 90M X 90M commences from RWS end.                             |      |             |                     |             |             |
| 21                                                                            | (4)  | 1800 (5905) | 1860 (6102) (8.58%) | 1800 (5905) | 1800 (5905) |
| RESA dimensions 90M X 90M commences from RWS end.                             |      |             |                     |             |             |
| APCH SFC survey based on 150M inner edge WID.                                 |      |             |                     |             |             |
| APCH SFC survey based on 280M inner edge WID AVBL on request, contact AD OPR. |      |             |                     |             |             |
| Slope 0.1% down to SW. RWY WID 45 RWS WID 150 Graded 150                      |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY03- 1272(4173)(1.6) 1473(4833)(1.9) 1591(5220)(2.2) 1670(5479)(2.5) 1782(5846)(3.3)  
RWY21- 1113(3652)(1.9) 1256(4121)(2.2) 1366(4482)(2.5) 1560(5118)(3.3) 1767(5797)(5.0)

TAXIWAY INTERSECTION DECLARED DISTANCES

RWY21- TKOF from TWY B; RWY remaining 1636(5367) reduce all DIST by 164(538)  
RWY21- TKOF from TWY C1; RWY remaining 1474(4836) reduce all DIST by 326(1070)

PORT PIRIE

| RWY                                               | (CN) | TORA        | TODA               | ASDA        | LDA         |
|---------------------------------------------------|------|-------------|--------------------|-------------|-------------|
| 03                                                | (1)  | 672 (2205)  | 732 (2402) (1.22%) | 672 (2205)  | 672 (2205)  |
| 21                                                | (1)  | 672 (2205)  | 732 (2402) (1.2%)  | 672 (2205)  | 672 (2205)  |
| Slope Level. RWY WID 30 RWS WID 90                |      |             |                    |             |             |
| 08                                                | (2)  | 1043 (3422) | 1103 (3619) (1.2%) | 1043 (3422) | 1043 (3422) |
| RESA dimensions 90M X 60M commences from RWS end. |      |             |                    |             |             |
| 26                                                | (2)  | 1043 (3422) | 1127 (3697) (1.2%) | 1043 (3422) | 1043 (3422) |
| RESA dimensions 90M X 60M commences from RWS end. |      |             |                    |             |             |
| Slope Level. RWY WID 30 RWS WID 90                |      |             |                    |             |             |
| 17                                                | (2)  | 1069 (3507) | 1129 (3704) (1.2%) | 1069 (3507) | 1069 (3507) |
| RESA dimensions 90M X 60M commences from RWS end. |      |             |                    |             |             |
| 35                                                | (2)  | 1069 (3507) | 1202 (3944) (1.2%) | 1142 (3747) | 1069 (3507) |
| RESA dimensions 90M X 60M commences from RWS end. |      |             |                    |             |             |
| Slope Level. RWY WID 30 RWS WID 90                |      |             |                    |             |             |

PORTLAND

| RWY                                                    | (CN) | TORA        | TODA                | ASDA        | LDA         |
|--------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 08                                                     | (3)  | 1616 (5302) | 1676 (5499) (1.93%) | 1616 (5302) | 1616 (5302) |
| RESA dimensions 90M X 60M commences from RWS end.      |      |             |                     |             |             |
| 26                                                     | (3)  | 1616 (5302) | 1676 (5499) (2.28%) | 1616 (5302) | 1616 (5302) |
| RESA dimensions 90M X 60M commences from RWS end.      |      |             |                     |             |             |
| Slope 0.1% down to W. RWY WID 30 RWS WID 150 Graded 90 |      |             |                     |             |             |
| 17                                                     | (2)  | 1180 (3871) | 1240 (4068) (3.39%) | 1180 (3871) | 1180 (3871) |
| 35                                                     | (2)  | 1180 (3871) | 1240 (4068) (2.31%) | 1180 (3871) | 1180 (3871) |
| Slope 0.4% down to S. RWY WID 30 RWS WID 90            |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY08- 1580(5184)(1.6) 1670(5479)(1.9)  
RWY26- 1443(4734)(1.6) 1598(5243)(1.9) 1662(5453)(2.2)  
RWY17- 901(2956)(2.2) 1013(3323)(2.5) 1222(4009)(3.3)  
RWY35- 1160(3806)(1.6) 1202(3944)(1.9) 1232(4042)(2.2)

PROMINENT HILL

| RWY                                                                                            | (CN) | TORA        | TODA               | ASDA        | LDA         |
|------------------------------------------------------------------------------------------------|------|-------------|--------------------|-------------|-------------|
| 18                                                                                             | (3)  | 2200 (7218) | 2400 (7874) (1.2%) | 2200 (7218) | 2200 (7218) |
| RESA dimensions 90M X 60M commences from RWS end.                                              |      |             |                    |             |             |
| 36                                                                                             | (3)  | 2200 (7218) | 2400 (7874) (1.2%) | 2200 (7218) | 2200 (7218) |
| RESA dimensions 90M X 60M commences from RWS end.                                              |      |             |                    |             |             |
| Slope 500M S end 0.6% down to S, 1,700M N end 0.2% down to N. RWY WID 30 RWS WID 150 Graded 90 |      |             |                    |             |             |

PROSERPINE/WHITSUNDAY COAST

| RWY                                                     | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 11                                                      | (4)  | 2073 (6801) | 2133 (6998) (1.2%)  | 2073 (6801) | 2073 (6801) |
| RESA dimensions 90M X 145M commences from RWS end.      |      |             |                     |             |             |
| 29                                                      | (4)  | 2073 (6801) | 2133 (6998) (2.21%) | 2073 (6801) | 2073 (6801) |
| RESA dimensions 90M X 145M commences from RWS end.      |      |             |                     |             |             |
| Slope 0.2% down to E. RWY WID 45 RWS WID 150 Graded 150 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY29- 2098(6883)(2.2)

QUILPIE

| RWY                                                   | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 09                                                    | (2)  | 1493 (4898) | 1553 (5095) (8.14%) | 1493 (4898) | 1493 (4898) |
| 27                                                    | (2)  | 1493 (4898) | 1553 (5095) (9.81%) | 1493 (4898) | 1493 (4898) |
| RWY reference code based on 150M TKOF inner edge WID. |      |             |                     |             |             |
| Slope 0.2% down to E. RWY WID 30 RWS WID 90 Graded 90 |      |             |                     |             |             |
| 18                                                    | (2)  | 1070 (3510) | 1130 (3707) (2.78%) | 1070 (3510) | 1070 (3510) |
| 36                                                    | (2)  | 1070 (3510) | 1130 (3707) (1.91%) | 1070 (3510) | 1070 (3510) |
| Slope 0.3% down to N. RWY WID 30 RWS WID 90           |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| RWY09- | 1280(4199)(1.6) | 1367(4485)(1.9) | 1398(4587)(2.2) | 1422(4665)(2.5) | 1466(4810)(3.3) |
|        | 1515(4970)(5.0) |                 |                 |                 |                 |
| RWY27- | 1351(4432)(1.6) | 1407(4616)(1.9) | 1434(4705)(2.2) | 1454(4770)(2.5) | 1488(4882)(3.3) |
|        | 1522(4993)(5.0) |                 |                 |                 |                 |
| RWY18- | 942(3091)(1.6)  | 1044(3425)(1.9) | 1087(3566)(2.2) | 1111(3645)(2.5) |                 |
| RWY36- | 1038(3405)(1.6) | 1126(3694)(1.9) |                 |                 |                 |

QUIRINDI

| RWY                                                                                               | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 06                                                                                                | (2)  | 1106 (3629) | 1166 (3825) (1.2%)  | 1106 (3629) | 1106 (3629) |
| 24                                                                                                | (2)  | 1106 (3629) | 1166 (3825) (1.2%)  | 1106 (3629) | 1106 (3629) |
| Slope 0.2% down to SW. RWY WID 18 RWS WID 90 Graded 90                                            |      |             |                     |             |             |
| 14                                                                                                | (3)  | 1770 (5807) | 1830 (6004) (2.08%) | 1770 (5807) | 1770 (5807) |
| 32                                                                                                | (3)  | 1770 (5807) | 1830 (6004) (1.2%)  | 1770 (5807) | 1770 (5807) |
| Slope 0.2% down to NW for 1,100M, then 0.3% down to SE for 670M. RWY WID 30 RWS WID 150 Graded 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |
|--------|-----------------|-----------------|
| RWY14- | 1622(5321)(1.6) | 1758(5768)(1.9) |
|--------|-----------------|-----------------|

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**RAMINGINING**

| <b>RWY</b> | <b>(CN)</b> | <b>TORA</b> | <b>TODA</b>         | <b>ASDA</b> | <b>LDA</b>  |
|------------|-------------|-------------|---------------------|-------------|-------------|
| 09         | (2)         | 1380 (4528) | 1440 (4724) (2.87%) | 1380 (4528) | 1380 (4528) |
| 27         | (2)         | 1380 (4528) | 1440 (4724) (2.89%) | 1380 (4528) | 1380 (4528) |

RWY 09/27 TNS S side infringed by trees full length by up to 10FT.

Slope 0.5% down to W. RWY WID 18 RWS WID 90

**SUPPLEMENTARY TAKEOFF DISTANCES**

|        |                 |                 |                 |                 |  |
|--------|-----------------|-----------------|-----------------|-----------------|--|
| RWY09- | 1063(3487)(1.6) | 1197(3927)(1.9) | 1294(4245)(2.2) | 1369(4491)(2.5) |  |
| RWY27- | 1184(3884)(1.6) | 1262(4140)(1.9) | 1327(4354)(2.2) | 1381(4531)(2.5) |  |

**RAVENSTHORPE**

| <b>RWY</b>                                                                      | <b>(CN)</b> | <b>TORA</b> | <b>TODA</b>         | <b>ASDA</b> | <b>LDA</b>  |
|---------------------------------------------------------------------------------|-------------|-------------|---------------------|-------------|-------------|
| 06                                                                              | (3)         | 1680 (5512) | 1830 (6004) (2.89%) | 1680 (5512) | 1680 (5512) |
| RESA dimensions 90M X 60M commences from RWS end.                               |             |             |                     |             |             |
| 24                                                                              | (3)         | 1680 (5512) | 1740 (5709) (2.12%) | 1680 (5512) | 1680 (5512) |
| RESA dimensions 90M X 60M commences from RWS end.                               |             |             |                     |             |             |
| Slope 800M NE end 0.6% down to SW - end level. RWY WID 30 RWS WID 150 Graded 90 |             |             |                     |             |             |
| 14                                                                              | (2)         | 1200 (3937) | 1260 (4134) (3.31%) | 1200 (3937) | 1200 (3937) |
| 32                                                                              | (2)         | 1200 (3937) | 1260 (4134) (1.5%)  | 1200 (3937) | 1200 (3937) |
| Slope 600 NW end 0.1% down to SE end 0.5%. RWY WID 30 RWS WID 90                |             |             |                     |             |             |

**SUPPLEMENTARY TAKEOFF DISTANCES**

|        |                 |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| RWY06- | 1573(5161)(1.6) | 1664(5459)(1.9) | 1729(5673)(2.2) | 1779(5837)(2.5) |                 |
| RWY24- | 1708(5604)(1.6) | 1728(5669)(1.9) |                 |                 |                 |
| RWY14- | 1069(3507)(1.6) | 1125(3691)(1.9) | 1167(3829)(2.2) | 1200(3937)(2.5) | 1259(4131)(3.3) |

**RENMARK**

| <b>RWY</b> | <b>(CN)</b> | <b>TORA</b> | <b>TODA</b>         | <b>ASDA</b> | <b>LDA</b>  |
|------------|-------------|-------------|---------------------|-------------|-------------|
| 07         | (2)         | 1740 (5709) | 1800 (5905) (3.56%) | 1740 (5709) | 1740 (5709) |
| 25         | (2)         | 1740 (5709) | 1800 (5905) (2.66%) | 1740 (5709) | 1740 (5709) |

OBST Fence 6.9FT ABV and 50M SW of RWS end has not been taken into account in the calculation of TODA GRAD and STODA.

Slope 0.4% down to centre from SW end, 0.37% down to centre from NE end. RWY WID 30 RWS WID 90

|    |     |             |                     |             |             |
|----|-----|-------------|---------------------|-------------|-------------|
| 18 | (2) | 1024 (3360) | 1084 (3556) (3.91%) | 1024 (3360) | 1024 (3360) |
| 36 | (2) | 1024 (3360) | 1084 (3556) (3.92%) | 1024 (3360) | 1024 (3360) |

Slope 0.3% down to S. RWY WID 30 RWS WID 90

**SUPPLEMENTARY TAKEOFF DISTANCES**

|        |                 |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| RWY07- | 1499(4918)(1.6) | 1583(5194)(1.9) | 1644(5394)(2.2) | 1691(5548)(2.5) | 1782(5846)(3.3) |
| RWY25- | 1266(4153)(1.6) | 1462(4797)(1.9) | 1620(5315)(2.2) | 1750(5741)(2.5) |                 |
| RWY18- | 1027(3369)(3.3) |                 |                 |                 |                 |
| RWY36- | 880(2887)(2.2)  | 945(3100)(2.5)  | 1040(3412)(3.3) |                 |                 |

**RICHMOND (NSW)**

| RWY                                                                                                                                                                         | (CN)  | TORA        | TODA                | ASDA        | LDA         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------|---------------------|-------------|-------------|
| 10                                                                                                                                                                          | (MIL) | 2134 (7001) | 2194 (7198) (0%)    | 2134 (7001) | 2134 (7001) |
| RWY 10 TODA gradient not provided due obstruction in the CWY refer supplementary TKOF distances for RQ CLR gradient.                                                        |       |             |                     |             |             |
| 28                                                                                                                                                                          | (MIL) | 2134 (7001) | 2194 (7198) (4.56%) | 2134 (7001) | 2134 (7001) |
| TKOF/Climb SFC inner edge WID 180M.                                                                                                                                         |       |             |                     |             |             |
| Slope 0.06% up to E to 178, then 0.02% down to 381, then 0.2% down to 534, then 0.32% down to 1246, then down 0.23% to 1891, then down 0.04% to end. RWY WID 45 RWS WID 154 |       |             |                     |             |             |

**SUPPLEMENTARY TAKEOFF DISTANCES**

|        |                 |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| RWY10- | 1452(4764)(1.6) | 1769(5804)(1.9) | 1847(6060)(2.0) | 1919(6296)(2.2) | 2007(6585)(2.5) |
|        | 2154(7067)(3.3) | 2165(7103)(5.0) |                 |                 |                 |
| RWY28- | 1935(6348)(3.3) |                 |                 |                 |                 |

**RICHMOND (QLD)**

| RWY                                                    | (CN) | TORA        | TODA                | ASDA        | LDA         |
|--------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 09                                                     | (3)  | 1522 (4993) | 1582 (5190) (1.32%) | 1522 (4993) | 1522 (4993) |
| RESA dimensions 90M X 60M commences from RWS end.      |      |             |                     |             |             |
| 27                                                     | (3)  | 1522 (4993) | 1582 (5190) (1.2%)  | 1522 (4993) | 1522 (4993) |
| RESA dimensions 90M X 60M commences from RWS end.      |      |             |                     |             |             |
| Slope 0.3% down to W. RWY WID 30 RWS WID 150 Graded 90 |      |             |                     |             |             |

**ROBINVALE**

| RWY                                                                                                                           | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 01                                                                                                                            | (2)  | 1140 (3740) | 1200 (3937) (2.41%) | 1140 (3740) | 1140 (3740) |
| 19                                                                                                                            | (2)  | 1140 (3740) | 1200 (3937) (3.74%) | 1140 (3740) | 1140 (3740) |
| Slope 0.8% down to N. RWY WID 18 RWS WID 90                                                                                   |      |             |                     |             |             |
| 12                                                                                                                            | (2)  | 1175 (3855) | 1235 (4052) (2.07%) | 1175 (3855) | 1175 (3855) |
| Unlit OBST Fence 9FT ABV and 41M SE of RWS end has not been taken into account in the calculation of the TODA GRAD and STODA. |      |             |                     |             |             |
| 30                                                                                                                            | (2)  | 1175 (3855) | 1235 (4052) (1.38%) | 1175 (3855) | 1175 (3855) |
| 1. CAUTION: 4% OBST CLR APCH SFC LDG RWY 30 terminates at THR not RWS end.                                                    |      |             |                     |             |             |
| 2. LDG RWY 30 Unlit OBST fence 9FT ABV and 41M SE of RWS end.                                                                 |      |             |                     |             |             |
| Slope 1.06% down to NW. RWY WID 30 RWS WID 90                                                                                 |      |             |                     |             |             |

**SUPPLEMENTARY TAKEOFF DISTANCES**

|        |                |                 |                 |
|--------|----------------|-----------------|-----------------|
| RWY01- | 986(3235)(1.6) | 1074(3524)(1.9) | 1153(3783)(2.2) |
| RWY19- | 892(2926)(2.5) | 1129(3704)(3.3) |                 |
| RWY12- | 884(2900)(1.6) | 1181(3875)(1.9) |                 |



ROCKHAMPTON

| RWY                                                                                                                                                                                       | (CN) | TORA        | TODA               | ASDA        | LDA         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|--------------------|-------------|-------------|
| 04                                                                                                                                                                                        | (2)  | 800 (2625)  | 860 (2821) (1.6%)  | 800 (2625)  | 1140 (3740) |
| 22                                                                                                                                                                                        | (2)  | 1200 (3937) | 1260 (4134) (1.6%) | 1200 (3937) | 800 (2625)  |
| 1. TKOF run commences at starter extension, 60M beyond RWY end.                                                                                                                           |      |             |                    |             |             |
| 2. Minor penetration of RWY 04/22 inner horizontal surface in vicinity of control tower by apron floodlighting, microwave tower, control tower lightning conductor rods and MET building. |      |             |                    |             |             |
| Slope Level. RWY WID 23 RWS WID 80                                                                                                                                                        |      |             |                    |             |             |
| 15                                                                                                                                                                                        | (4)  | 2628 (8622) | 2928 (9606) (1.6%) | 2628 (8622) | 2568 (8425) |
| RESA dimensions 240M X 90M commences from RWY end.                                                                                                                                        |      |             |                    |             |             |
| 1. RWY 15 DTHR 60M.                                                                                                                                                                       |      |             |                    |             |             |
| 2. From RWY 15 THR TORA is 2568M. For 2628M TORA from RWY 15, taxi to E side of THR lights and line up Northern side of THR.                                                              |      |             |                    |             |             |
| 33                                                                                                                                                                                        | (4)  | 2568 (8425) | 2688 (8819) (1.6%) | 2568 (8425) | 2568 (8425) |
| RESA dimensions 60M X 90M commences from RWY end.                                                                                                                                         |      |             |                    |             |             |
| 1. CAUTION: Primary IWI lit by steady red light (HN) infringes transitional SFC (E side).                                                                                                 |      |             |                    |             |             |
| 2. BAK 12 bi-directional, removable, hook cable, 100MM high, installed 487 (1600) FM THR 33, rigged for MIL OPS only. Notified by TWR/NOTAM.                                              |      |             |                    |             |             |
| 3. CAUTION: Permanent concrete energy-absorber housings 0.3 (1) high located each side of RWY, 14 (46) FM RWY edge.                                                                       |      |             |                    |             |             |
| Slope 0.1% down to SE. RWY WID 45 RWS WID 300 Graded 150                                                                                                                                  |      |             |                    |             |             |

TAXIWAY INTERSECTION DECLARED DISTANCES

|        |                  |                          |                               |
|--------|------------------|--------------------------|-------------------------------|
| RWY15- | TKOF from TWY A; | RWY remaining 1693(5554) | reduce all DIST by 935(3068)  |
| RWY15- | TKOF from TWY B; | RWY remaining 1400(4593) | reduce all DIST by 1228(4029) |
| RWY33- | TKOF from TWY A; | RWY remaining 902(2959)  | reduce all DIST by 1666(5466) |
| RWY33- | TKOF from TWY B; | RWY remaining 1191(3907) | reduce all DIST by 1377(4518) |
| RWY33- | TKOF from TWY J; | RWY remaining 2176(7139) | reduce all DIST by 392(1286)  |

ROMA

| RWY                                                | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 09                                                 | (1)  | 801 (2628)  | 861 (2825) (1.6%)   | 801 (2628)  | 801 (2628)  |
| RESA dimensions 30M X 60M commences from RWY end.  |      |             |                     |             |             |
| 27                                                 | (1)  | 801 (2628)  | 831 (2726) (5.64%)  | 801 (2628)  | 801 (2628)  |
| RESA dimensions 60M X 60M commences from RWY end.  |      |             |                     |             |             |
| Slope 1.0% down to E. RWY WID 18 RWS WID 60        |      |             |                     |             |             |
| 18                                                 | (3)  | 1504 (4934) | 1704 (5590) (1.92%) | 1504 (4934) | 1504 (4934) |
| RESA dimensions 120M X 90M commences from RWY end. |      |             |                     |             |             |
| 36                                                 | (3)  | 1504 (4934) | 1564 (5131) (2.82%) | 1504 (4934) | 1504 (4934) |
| RESA dimensions 60M X 90M commences from RWY end.  |      |             |                     |             |             |
| Slope Level. RWY WID 30 RWS WID 150 Graded 90      |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|
| RWY18- | 1371(4498)(1.6) | 1688(5538)(1.9) |                 |                 |
| RWY36- | 1249(4098)(1.6) | 1418(4652)(1.9) | 1539(5049)(2.2) | 1554(5098)(2.5) |

ROTTNEST ISLAND

| RWY                                                                  | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 09                                                                   | (1)  | 1293 (4242) | 1353 (4439) (4.93%) | 1293 (4242) | 1293 (4242) |
| RESA dimensions 60M X 36M commences from RWY end.                    |      |             |                     |             |             |
| 27                                                                   | (1)  | 1293 (4242) | 1353 (4439) (3.99%) | 1293 (4242) | 1121 (3678) |
| RESA dimensions 60M X 36M commences from RWY end.                    |      |             |                     |             |             |
| 1. RWY 27 DTHR 172M (564FT).                                         |      |             |                     |             |             |
| 2. RWY 09/27 APCH inner edge length 90M, TKOF inner edge length 80M. |      |             |                     |             |             |
| Slope 0.09% down to E. RWY WID 18 RWS WID 90                         |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                |                 |                 |                 |
|--------|----------------|-----------------|-----------------|-----------------|
| RWY09- | 879(2884)(2.2) | 992(3255)(2.5)  | 1191(3907)(3.3) |                 |
| RWY27- | 866(2841)(1.9) | 1137(3730)(2.2) | 1292(4239)(2.5) | 1331(4367)(3.3) |

SAIBAI ISLAND

| RWY                                                                                                                                   | (CN) | TORA       | TODA               | ASDA       | LDA        |
|---------------------------------------------------------------------------------------------------------------------------------------|------|------------|--------------------|------------|------------|
| 12                                                                                                                                    | (1)  | 750 (2461) | 750 (2461) (5.32%) | 750 (2461) | 670 (2198) |
| RWY 12 SOT commences at RWS end - ASDA ends at RWS.                                                                                   |      |            |                    |            |            |
| 30                                                                                                                                    | (1)  | 750 (2461) | 750 (2461) (1.2%)  | 750 (2461) | 690 (2264) |
| 1. RWY 30 SOT commences at RWS end - ASDA ends at RWS.                                                                                |      |            |                    |            |            |
| 2. CAUTION: OBST fence 4FT ABV and 35M FM THR RWY 12 and 755M FM SOT RWY 30 not taken into account in the calculation of TODA GRAD.   |      |            |                    |            |            |
| 3. CAUTION: Fence 2FT ABV and 60M FM THR RWY 30 and 752M FM SOT RWY 12 not taken into account in the calculation of RWY 12 TODA GRAD. |      |            |                    |            |            |
| Slope Level. RWY WID 18 RWS WID 60                                                                                                    |      |            |                    |            |            |

SAINT GEORGE

| RWY                                           | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-----------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 11                                            | (3)  | 1520 (4987) | 1580 (5184) (4.42%) | 1520 (4987) | 1520 (4987) |
| 29                                            | (3)  | 1520 (4987) | 1580 (5184) (6.16%) | 1520 (4987) | 1520 (4987) |
| Slope Level. RWY WID 30 RWS WID 150 Graded 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| RWY11- | 1248(4094)(1.6) | 1364(4475)(1.9) | 1449(4754)(2.2) | 1513(4964)(2.5) | 1551(5089)(3.3) |
| RWY29- | 1048(3438)(1.9) | 1262(4140)(2.2) | 1407(4616)(2.5) | 1492(4895)(3.3) | 1556(5105)(5.0) |

SAINT HELENS

| RWY                                               | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 08                                                | (2)  | 1070 (3510) | 1130 (3707) (3.01%) | 1070 (3510) | 1070 (3510) |
| RESA dimensions 60M X 30M commences from RWY end. |      |             |                     |             |             |
| 26                                                | (2)  | 1070 (3510) | 1130 (3707) (2.96%) | 1070 (3510) | 1070 (3510) |
| RESA dimensions 60M X 30M commences from RWY end. |      |             |                     |             |             |
| Slope 1.3% down to E. RWY WID 30 RWS WID 90       |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |  |
|--------|-----------------|-----------------|-----------------|-----------------|--|
| RWY08- | 1031(3383)(1.6) | 1056(3465)(1.9) | 1077(3533)(2.2) | 1101(3612)(2.5) |  |
| RWY26- | 1117(3665)(2.5) |                 |                 |                 |  |

SCHERGER (RAAF)

| RWY                                                      | (CN)  | TORA         | TODA                 | ASDA         | LDA          |
|----------------------------------------------------------|-------|--------------|----------------------|--------------|--------------|
| 12                                                       | (MIL) | 3049 (10003) | 3109 (10200) (2.62%) | 3049 (10003) | 3049 (10003) |
| 30                                                       | (MIL) | 3049 (10003) | 3109 (10200) (3.48%) | 3049 (10003) | 3049 (10003) |
| 1. TKOF/Climb SFC inner edge WID 180.                    |       |              |                      |              |              |
| 2. Side transitional SFC infringed by vegetation.        |       |              |                      |              |              |
| 3. Hook arrester system PTBL.                            |       |              |                      |              |              |
| Slope 0.1% down to NW. RWY WID 45 RWS WID 150 Graded 150 |       |              |                      |              |              |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                  |                 |                 |                 |                  |
|--------|------------------|-----------------|-----------------|-----------------|------------------|
| RWY12- | 2444(8018)(1.6)  | 2720(8924)(1.9) | 2792(9160)(2.0) | 2916(9567)(2.2) | 3062(10046)(2.5) |
| RWY30- | 2471(8107)(1.6)  | 2651(8697)(1.9) | 2700(8858)(2.0) | 2785(9137)(2.2) | 2888(9475)(2.5)  |
|        | 3077(10095)(3.3) |                 |                 |                 |                  |

SCONE

| RWY                                                   | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 11                                                    | (2)  | 1400 (4593) | 1460 (4790) (3.64%) | 1400 (4593) | 1400 (4593) |
| RESA dimensions 60M X 80M commences from RWY end.     |      |             |                     |             |             |
| 29                                                    | (2)  | 1400 (4593) | 1460 (4790) (2.44%) | 1400 (4593) | 1400 (4593) |
| RESA dimensions 60M X 80M commences from RWY end.     |      |             |                     |             |             |
| Grassed areas WI RWS not AVBL due uneven SFC.         |      |             |                     |             |             |
| Slope 0.8% down to E. RWY WID 30 RWS WID 90 Graded 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| RWY11- | 1214(3983)(1.6) | 1270(4167)(1.9) | 1314(4311)(2.2) | 1351(4432)(2.5) | 1430(4692)(3.3) |
| RWY29- | 1311(4301)(1.6) | 1382(4534)(1.9) | 1428(4685)(2.2) |                 |                 |

SHARK BAY

| RWY                                                                                | (CN) | TORA        | TODA                | ASDA        | LDA         |
|------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 18                                                                                 | (3)  | 1690 (5545) | 1810 (5938) (7.08%) | 1690 (5545) | 1690 (5545) |
| RESA dimensions 60M X 60M commences from RWS end.                                  |      |             |                     |             |             |
| 36                                                                                 | (3)  | 1690 (5545) | 1820 (5971) (4.35%) | 1690 (5545) | 1690 (5545) |
| RESA dimensions 60M X 60M commences from RWS end.                                  |      |             |                     |             |             |
| RWY 18/36 TKOF inner edge length 90M.                                              |      |             |                     |             |             |
| Slope S end 0.2% down to N - N end 0.1% down to S. RWY WID 30 RWS WID 90 Graded 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| RWY18- | 1693(5554)(1.6) | 1735(5692)(1.9) | 1765(5791)(2.2) | 1784(5853)(2.5) | 1794(5886)(3.3) |
|        | 1804(5919)(5.0) |                 |                 |                 |                 |
| RWY36- | 1724(5656)(1.6) | 1747(5732)(1.9) | 1764(5787)(2.2) | 1777(5830)(2.5) | 1801(5909)(3.3) |

SHELLHARBOUR AIRPORT

| RWY                                                | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 08                                                 | (2)  | 1331 (4367) | 1391 (4564) (9.29%) | 1331 (4367) | 1331 (4367) |
| RESA dimensions 100M X 90M commences from RWY end. |      |             |                     |             |             |
| 26                                                 | (2)  | 1331 (4367) | 1391 (4564) (7.49%) | 1331 (4367) | 1241 (4071) |
| RESA dimensions 160M X 90M commences from RWY end. |      |             |                     |             |             |
| RWY 26 DTHR 90M.                                   |      |             |                     |             |             |
| Slope 0.2% down to E. RWY WID 30 RWS WID 90        |      |             |                     |             |             |
| 16                                                 | (2)  | 1819 (5968) | 1879 (6165) (5.34%) | 1819 (5968) | 1819 (5968) |
| RESA dimensions 160M X 90M commences from RWY end. |      |             |                     |             |             |
| 34                                                 | (2)  | 1819 (5968) | 1879 (6165) (4.59%) | 1819 (5968) | 1643 (5390) |
| RESA dimensions 160M X 90M commences from RWY end. |      |             |                     |             |             |
| 1. RWY 34 APCH & RWY 16 TKOF offset 5DEG W.        |      |             |                     |             |             |
| 2. RWY 34 DTHR 176M.                               |      |             |                     |             |             |
| Slope 0.1% down to N. RWY WID 30 RWS WID 90        |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| RWY08- | 863(2831)(1.9)  | 937(3074)(2.2)  | 1017(3337)(2.5) | 1154(3786)(3.3) | 1291(4236)(5.0) |
| RWY26- | 841(2759)(1.9)  | 965(3166)(2.2)  | 1036(3399)(2.5) | 1182(3878)(3.3) | 1309(4295)(5.0) |
| RWY16- | 1844(6050)(5.0) |                 |                 |                 |                 |
| RWY34- | 1022(3353)(2.2) | 1332(4370)(2.5) | 1733(5686)(3.3) |                 |                 |

SHEPPARTON

| RWY                                                                                                                                      | (CN) | TORA        | TODA                | ASDA        | LDA         |
|------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 09                                                                                                                                       | (1)  | 434 (1424)  | 494 (1621) (4.69%)  | 434 (1424)  | 434 (1424)  |
| 27                                                                                                                                       | (1)  | 434 (1424)  | 464 (1522) (4.07%)  | 434 (1424)  | 434 (1424)  |
| Slope Level. RWY WID 30 RWS WID 90                                                                                                       |      |             |                     |             |             |
| 18                                                                                                                                       | (1)  | 1298 (4258) | 1358 (4455) (4.48%) | 1298 (4258) | 1238 (4062) |
| RESA dimensions 60M X 36M commences from RWY end.                                                                                        |      |             |                     |             |             |
| 1. RWY 18 DTHR 60M.                                                                                                                      |      |             |                     |             |             |
| 2. RWY 18 transition SFC infringed by trees W side APPROX 40 FM RWS end.                                                                 |      |             |                     |             |             |
| 36                                                                                                                                       | (1)  | 1298 (4258) | 1358 (4455) (3.08%) | 1298 (4258) | 1207 (3960) |
| RESA dimensions 60M X 36M commences from RWY end.                                                                                        |      |             |                     |             |             |
| 1. RWY 36 DTHR 91M.                                                                                                                      |      |             |                     |             |             |
| 2. CAUTION: Transient OBST up to 5.3FT ABV and 47M N of RWS end is not taken into account in the calculation of the TODA GRAD and STODA. |      |             |                     |             |             |
| Slope Level. RWY WID 18 RWS WID 90                                                                                                       |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                |                 |                 |                 |
|--------|----------------|-----------------|-----------------|-----------------|
| RWY18- | 852(2795)(1.9) | 983(3225)(2.2)  | 1082(3550)(2.5) | 1236(4055)(3.3) |
| RWY36- | 961(3153)(1.9) | 1126(3694)(2.2) | 1244(4081)(2.5) |                 |

SNAKE BAY

| RWY                                          | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 13                                           | (2)  | 1443 (4734) | 1503 (4931) (2.73%) | 1443 (4734) | 1443 (4734) |
| 31                                           | (2)  | 1443 (4734) | 1503 (4931) (3.28%) | 1443 (4734) | 1443 (4734) |
| RWY 13/31 APCH inner edge length 90M.        |      |             |                     |             |             |
| Slope 0.4% down to NW. RWY WID 30 RWS WID 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|
| RWY13- | 1013(3323)(1.6) | 1260(4134)(1.9) | 1425(4675)(2.2) | 1477(4846)(2.5) |
| RWY31- | 1052(3451)(1.6) | 1247(4091)(1.9) | 1396(4580)(2.2) | 1441(4728)(2.5) |

SOLOMON

| RWY                                                        | (CN) | TORA        | TODA                | ASDA        | LDA         |
|------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 09                                                         | (3)  | 2000 (6562) | 2060 (6758) (1.48%) | 2000 (6562) | 2000 (6562) |
| RESA dimensions 90M X 60M commences from RWY end.          |      |             |                     |             |             |
| 27                                                         | (3)  | 2000 (6562) | 2060 (6758) (1.52%) | 2000 (6562) | 2000 (6562) |
| RESA dimensions 90M X 60M commences from RWY end.          |      |             |                     |             |             |
| RWY 09/27 APCH inner edge length 150M.                     |      |             |                     |             |             |
| Slope 0.25% down to west. RWY WID 30 RWS WID 150 Graded 90 |      |             |                     |             |             |

SOUTH GOULBURN ISLAND

| RWY                                         | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 10                                          | (2)  | 1400 (4593) | 1460 (4790) (2.79%) | 1400 (4593) | 1400 (4593) |
| 28                                          | (2)  | 1400 (4593) | 1460 (4790) (1.39%) | 1400 (4593) | 1400 (4593) |
| Slope 0.4% down to E. RWY WID 18 RWS WID 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|
| RWY10- | 1334(4377)(1.6) | 1377(4518)(1.9) | 1411(4629)(2.2) | 1438(4718)(2.5) |
|--------|-----------------|-----------------|-----------------|-----------------|

SOUTHERN CROSS

| RWY                                           | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-----------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 09                                            | (2)  | 1319 (4327) | 1379 (4524) (2.99%) | 1319 (4327) | 1319 (4327) |
| 27                                            | (2)  | 1319 (4327) | 1379 (4524) (1.73%) | 1319 (4327) | 1319 (4327) |
| Slope 0.5% down to W. RWY WID 30 RWS WID 90   |      |             |                     |             |             |
| 14                                            | (1)  | 1405 (4610) | 1465 (4806) (1.98%) | 1405 (4610) | 1405 (4610) |
| 32                                            | (1)  | 1405 (4610) | 1465 (4806) (3.06%) | 1405 (4610) | 1405 (4610) |
| Slope 0.35% down to NW. RWY WID 18 RWS WID 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |  |
|--------|-----------------|-----------------|-----------------|-----------------|--|
| RWY09- | 981(3218)(1.9)  | 1140(3740)(2.2) | 1252(4108)(2.5) |                 |  |
| RWY27- | 1352(4436)(1.6) |                 |                 |                 |  |
| RWY14- | 1169(3835)(1.6) | 1406(4613)(1.9) |                 |                 |  |
| RWY32- | 1035(3396)(1.6) | 1223(4012)(1.9) | 1350(4429)(2.2) | 1402(4600)(2.5) |  |

ST ARNAUD

| RWY                                                                                                                          | (CN) | TORA        | TODA                | ASDA        | LDA         |
|------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 09                                                                                                                           | (1)  | 535 (1755)  | 595 (1952) (4.91%)  | 535 (1755)  | 535 (1755)  |
| 27                                                                                                                           | (1)  | 535 (1755)  | 595 (1952) (3.63%)  | 535 (1755)  | 535 (1755)  |
| Slope 0.6% down to W. RWY WID 18 RWS WID 90                                                                                  |      |             |                     |             |             |
| 18                                                                                                                           | (1)  | 1011 (3317) | 1066 (3497) (2.63%) | 1011 (3317) | 865 (2838)  |
| RWY 18 DTHR 146M.                                                                                                            |      |             |                     |             |             |
| 36                                                                                                                           | (1)  | 1011 (3317) | 1064 (3491) (2.05%) | 1011 (3317) | 1011 (3317) |
| CAUTION: Transient OBST up to 14.8FT ABV and 47M N of RWS end, not taken into account in calculation of TODA GRAD and STODA. |      |             |                     |             |             |
| Slope Level. RWY WID 18 RWS WID 90                                                                                           |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |  |  |
|--------|-----------------|-----------------|-----------------|--|--|
| RWY18- | 1042(3419)(1.9) | 1054(3458)(2.2) | 1063(3487)(2.5) |  |  |
| RWY36- | 822(2697)(1.6)  | 1004(3294)(1.9) |                 |  |  |

STANTHORPE

| RWY                                               | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 08                                                | (2)  | 1711 (5613) | 1771 (5810) (5.15%) | 1711 (5613) | 1711 (5613) |
| RESA dimensions 60M X 60M commences from RWS end. |      |             |                     |             |             |
| 26                                                | (2)  | 1711 (5613) | 1771 (5810) (3.5%)  | 1711 (5613) | 1711 (5613) |
| RESA dimensions 60M X 60M commences from RWS end. |      |             |                     |             |             |
| Slope 1.4% down to W. RWY WID 30 RWS WID 90       |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| RWY08- | 1211(3973)(2.2) | 1404(4606)(2.5) | 1622(5321)(3.3) | 1765(5791)(5.0) |                 |
| RWY26- | 1625(5331)(1.6) | 1691(5548)(1.9) | 1712(5617)(2.2) | 1729(5673)(2.5) | 1764(5787)(3.3) |

STAWELL

| RWY                                                                                                                | (CN) | TORA        | TODA                | ASDA        | LDA         |
|--------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 11                                                                                                                 | (3)  | 1403 (4603) | 1463 (4800) (3.79%) | 1403 (4603) | 1403 (4603) |
| RESA dimensions 60M X 45M commences from RWY end.                                                                  |      |             |                     |             |             |
| 29                                                                                                                 | (3)  | 1403 (4603) | 1463 (4800) (7.64%) | 1403 (4603) | 1403 (4603) |
| RESA dimensions 60M X 90M commences from RWY end.                                                                  |      |             |                     |             |             |
| Unlit OBST fence 1FT ABV at RWS end and 75M S of RCL not taken into account in calculation of TODA GRAD and STODA. |      |             |                     |             |             |
| Slope 0.5% down to W. RWY WID 30 RWS WID 90                                                                        |      |             |                     |             |             |
| 18                                                                                                                 | (2)  | 854 (2802)  | 914 (2999) (3.7%)   | 854 (2802)  | 854 (2802)  |
| RESA dimensions 60M X 90M commences from RWY end.                                                                  |      |             |                     |             |             |
| 36                                                                                                                 | (2)  | 854 (2802)  | 914 (2999) (2.12%)  | 854 (2802)  | 854 (2802)  |
| RESA dimensions 60M X 45M commences from RWY end.                                                                  |      |             |                     |             |             |
| Slope 1.3% down to N. RWY WID 18 RWS WID 90                                                                        |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| RWY11- | 821(2694)(1.6)  | 1076(3530)(1.9) | 1264(4147)(2.2) | 1357(4452)(2.5) | 1436(4711)(3.3) |
| RWY29- | 1138(3734)(1.6) | 1214(3983)(1.9) | 1253(4111)(2.2) | 1287(4222)(2.5) | 1354(4442)(3.3) |
|        | 1425(4675)(5.0) |                 |                 |                 |                 |
| RWY18- | 826(2710)(3.3)  |                 |                 |                 |                 |
| RWY36- | 823(2700)(1.6)  | 880(2887)(1.9)  |                 |                 |                 |

STRAHAN

| RWY                                                                                                                                | (CN) | TORA        | TODA                 | ASDA        | LDA         |
|------------------------------------------------------------------------------------------------------------------------------------|------|-------------|----------------------|-------------|-------------|
| 18                                                                                                                                 | (1)  | 1220 (4003) | 1280 (4199) (17.78%) | 1220 (4003) | 1220 (4003) |
| 36                                                                                                                                 | (1)  | 1220 (4003) | 1280 (4199) (5.69%)  | 1220 (4003) | 1220 (4003) |
| 1. RWY 18/36 transitional SFC infringed on E side up to 1.2M.                                                                      |      |             |                      |             |             |
| 2. RWY 36 - Transient OBST up to 12.4FT ABV and 131M N of RWS end is taken into account in the calculation of TODA GRAD and STODA. |      |             |                      |             |             |
| Slope Level. RWY WID 18 RWS WID 90                                                                                                 |      |             |                      |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| RWY18- | 1103(3619)(1.6) | 1133(3717)(1.9) | 1156(3793)(2.2) | 1173(3848)(2.5) | 1203(3947)(3.3) |
|        | 1235(4052)(5.0) |                 |                 |                 |                 |
| RWY36- | 900(2953)(2.2)  | 1194(3917)(2.5) | 1255(4117)(3.3) | 1277(4190)(5.0) |                 |

STREAKY BAY

| RWY                                                                                             | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 05                                                                                              | (1)  | 780 (2559)  | 840 (2756) (2.88%)  | 780 (2559)  | 780 (2559)  |
| 23                                                                                              | (1)  | 780 (2559)  | 840 (2756) (2.01%)  | 780 (2559)  | 780 (2559)  |
| Slope 0.15% down to SW. RWY WID 18 RWS WID 90                                                   |      |             |                     |             |             |
| 13                                                                                              | (2)  | 1351 (4432) | 1411 (4629) (2.72%) | 1351 (4432) | 1351 (4432) |
| RESA dimensions 120M X 60M commences from RWY end.                                              |      |             |                     |             |             |
| 31                                                                                              | (2)  | 1351 (4432) | 1411 (4629) (1.2%)  | 1351 (4432) | 1351 (4432) |
| RESA dimensions 90M X 60M commences from RWY end.                                               |      |             |                     |             |             |
| Slope 0.9% down to SE and 0.3% down to NW. Highest point 300 from NW end. RWY WID 18 RWS WID 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |  |
|--------|-----------------|-----------------|-----------------|-----------------|--|
| RWY23- | 815(2674)(1.9)  |                 |                 |                 |  |
| RWY13- | 1234(4049)(1.6) | 1302(4272)(1.9) | 1349(4426)(2.2) | 1388(4554)(2.5) |  |

SUNRISE DAM

| RWY                                               | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 06                                                | (3)  | 1950 (6398) | 2010 (6594) (1.25%) | 1950 (6398) | 1950 (6398) |
| RESA dimensions 90M X 60M commences from RWS end. |      |             |                     |             |             |
| 24                                                | (3)  | 1950 (6398) | 2010 (6594) (1.2%)  | 1950 (6398) | 1950 (6398) |
| RESA dimensions 90M X 60M commences from RWS end. |      |             |                     |             |             |
| RWY 06/24 APCH inner edge length 150M.            |      |             |                     |             |             |
| Slope 0.3% down to SW. RWY WID 30 RWS WID 150     |      |             |                     |             |             |

SUNSHINE COAST

| RWY                                                | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 13                                                 | (4)  | 2625 (8612) | 2685 (8809) (2.47%) | 2625 (8612) | 2625 (8612) |
| RESA dimensions 240M X 90M commences from RWS end. |      |             |                     |             |             |
| 31                                                 | (4)  | 2800 (9186) | 2860 (9383) (2.51%) | 2800 (9186) | 2450 (8038) |
| RESA dimensions 240M X 90M commences from RWS end. |      |             |                     |             |             |
| RWY 31 DTHR 175M (from RWY 13 end).                |      |             |                     |             |             |
| Slope Level. RWY WID 45 RWS WID 300 Graded 150     |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|
| RWY13- | 2494(8182)(1.6) | 2611(8566)(1.9) | 2655(8711)(2.2) |
| RWY31- | 1678(5505)(1.9) | 2765(9071)(2.2) | 2860(9383)(2.5) |

TAXIWAY INTERSECTION DECLARED DISTANCES

|        |                   |                          |                               |
|--------|-------------------|--------------------------|-------------------------------|
| RWY13- | TKOF from TWY A2; | RWY remaining 1234(4049) | reduce all DIST by 1391(4564) |
| RWY31- | TKOF from TWY A1; | RWY remaining 2450(8038) | reduce all DIST by 350(1148)  |
| RWY31- | TKOF from TWY A2; | RWY remaining 1409(4623) | reduce all DIST by 1391(4564) |

SWAN HILL

| RWY                                                                                                                                                                 | (CN) | TORA        | TODA                 | ASDA        | LDA         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|----------------------|-------------|-------------|
| 04                                                                                                                                                                  | (2)  | 980 (3215)  | 1040 (3412) (3.02%)  | 980 (3215)  | 980 (3215)  |
| 22                                                                                                                                                                  | (2)  | 980 (3215)  | 1040 (3412) (2.96%)  | 980 (3215)  | 980 (3215)  |
| Slope 0.2% down to NE. RWY WID 23 RWS WID 90                                                                                                                        |      |             |                      |             |             |
| 08                                                                                                                                                                  | (3)  | 1495 (4905) | 1555 (5102) (5.6%)   | 1495 (4905) | 1495 (4905) |
| 1. LDG RWY 08 - Unlit OBST fence 10FT ABV and 22M W of RWS end.                                                                                                     |      |             |                      |             |             |
| 2. 3.33% OBSTR CLR APCH SFC LDG RWY 08 terminates at THR not RWS end.                                                                                               |      |             |                      |             |             |
| 3. Caution: Fence 6.3 FT ABV at RWS end is not taken into account in the calculation of TODA GRAD and STODA.                                                        |      |             |                      |             |             |
| 4. Transient OBST 16FT ABV at RWS end not taken into account in calculation of TODA GRAD and STODA.                                                                 |      |             |                      |             |             |
| 26                                                                                                                                                                  | (3)  | 1495 (4905) | 1555 (5102) (10.53%) | 1495 (4905) | 1495 (4905) |
| 1. LDG RWY 26 - Unlit OBST is fence 6.5FT ABV at RWS end.                                                                                                           |      |             |                      |             |             |
| 2. 3.33% OBSTR CLR APCH SFC LDG RWY 26 terminates at THR not RWS end.                                                                                               |      |             |                      |             |             |
| 3. Caution: Fence 10.5 FT ABV and 22M W of RWS end and fence 12.4FT ABV and 42M W of RWS end, are not taken into account in the calculation of TODA GRAD and STODA. |      |             |                      |             |             |
| Slope 0.1% down to E. RWY WID 30 RWS WID 90                                                                                                                         |      |             |                      |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| RWY04- | 911(2989)(2.5)  |                 |                 |                 |                 |
| RWY22- | 807(2648)(1.9)  | 899(2949)(2.2)  | 968(3176)(2.5)  |                 |                 |
| RWY08- | 1145(3757)(1.6) | 1303(4275)(1.9) | 1386(4547)(2.2) | 1427(4682)(2.5) | 1488(4882)(3.3) |
|        | 1544(5066)(5.0) |                 |                 |                 |                 |
| RWY26- | 1317(4321)(1.6) | 1357(4452)(1.9) | 1387(4550)(2.2) | 1411(4629)(2.5) | 1455(4774)(3.3) |
|        | 1502(4928)(5.0) |                 |                 |                 |                 |



**SYDNEY/BANKSTOWN**

| <b>RWY</b>                                                                                                                                                                                                                                                                                                                           | <b>(CN)</b> | <b>TORA</b> | <b>TODA</b>         | <b>ASDA</b> | <b>LDA</b>  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|---------------------|-------------|-------------|
| 11C                                                                                                                                                                                                                                                                                                                                  | (3)         | 1416 (4646) | 1476 (4842) (4.21%) | 1416 (4646) | 1259 (4131) |
| RESA dimensions 90M X 90M commences from RWY end.<br>RWY 11C LDA DISP THR 97M.                                                                                                                                                                                                                                                       |             |             |                     |             |             |
| 29C                                                                                                                                                                                                                                                                                                                                  | (3)         | 1416 (4646) | 1476 (4842) (4.56%) | 1416 (4646) | 1356 (4449) |
| RESA dimensions 90M X 90M commences from RWY end.<br>TKOF Transient OBST TWY E 17FT AGL and 7M NW of RWS end is not taken into account in calculation of TODA and STODA GRAD.<br>TORA commences at RWS end for both RWY 11C and 29C.<br>Slope W end 0.5% down to E. Centre 0.2% up to E. E end 0.2% down to W. RWY WID 30 RWS WID 90 |             |             |                     |             |             |
| 11L                                                                                                                                                                                                                                                                                                                                  | (2)         | 1100 (3609) | 1160 (3806) (3.44%) | 1100 (3609) | 1100 (3609) |
| 29R                                                                                                                                                                                                                                                                                                                                  | (2)         | 1100 (3609) | 1160 (3806) (2.89%) | 1100 (3609) | 1100 (3609) |
| TKOF Transient OBST TWY A2 27FT AGL and 76M NW of RWS end is not taken into account in calculation of TODA and STODA GRAD.<br>Slope 0.3% down to W. RWY WID 30 RWS WID 90                                                                                                                                                            |             |             |                     |             |             |
| 11R                                                                                                                                                                                                                                                                                                                                  | (2)         | 1038 (3405) | 1098 (3602) (3.32%) | 1038 (3405) | 1038 (3405) |
| TKOF Transient OBST TWY B6 17FT AGL and 100M SE of RWS end is not taken into account in calculation of TODA and STODA GRAD.                                                                                                                                                                                                          |             |             |                     |             |             |
| 29L                                                                                                                                                                                                                                                                                                                                  | (2)         | 1038 (3405) | 1098 (3602) (4.2%)  | 1038 (3405) | 1038 (3405) |
| Slope 0.1% down to W. RWY WID 23 RWS WID 90                                                                                                                                                                                                                                                                                          |             |             |                     |             |             |

**SUPPLEMENTARY TAKEOFF DISTANCES**

|         |                 |                 |                 |
|---------|-----------------|-----------------|-----------------|
| RWY11C- | 912(2992)(2.2)  | 1044(3425)(2.5) | 1279(4196)(3.3) |
| RWY29C- | 914(2999)(2.2)  | 1056(3465)(2.5) | 1309(4295)(3.3) |
| RWY11L- | 1029(3376)(3.3) |                 |                 |
| RWY29R- | 829(2720)(1.9)  | 1003(3291)(2.2) | 1135(3724)(2.5) |
| RWY11R- | 838(2749)(2.5)  |                 |                 |
| RWY29L- | 966(3169)(3.3)  |                 |                 |

**TAXIWAY INTERSECTION DECLARED DISTANCES**

RWY29R- TKOF from TWY A7; RWY remaining 1005(3297) reduce all DIST by 95(312)

SYDNEY/KINGSFORD SMITH

| RWY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (CN) | TORA         | TODA                 | ASDA         | LDA          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|----------------------|--------------|--------------|
| 07                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | (4)  | 2530 (8300)  | 2620 (8596) (4.33%)  | 2560 (8399)  | 2530 (8300)  |
| RESA dimensions 90M X 90M commences from RWS end.<br>Approach GRAD 3.3%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |              |                      |              |              |
| 25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | (4)  | 2530 (8300)  | 2590 (8497) (3.02%)  | 2530 (8300)  | 2429 (7969)  |
| RESA dimensions 90M X 90M commences from RWS end.<br>1. Approach GRAD 3.5%.<br>2. RWY 25 LOC aerial 11FT ABV RWY 07 THR and LCA 2608M FM RWY 25 SOT is not taken into account in the calculation of TODA gradient and STODA.<br>3. OBST concrete barrier and associated railings 7.5FT ABV RWY 07 THR LCA 2605M FM RWY 25 SOT and 45M S of extended RCL is not taken into account in the calculation of TODA gradient and STODA.<br>4. RWY 25 DTHR 101M.<br>Slope 550M E end 0.4% down to W; Centre 1580M level; 400M W end 0.3% down to E. RWY WID 45 RWS WID 280 Graded 150 |      |              |                      |              |              |
| 16L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (4)  | 2438 (7999)  | 2528 (8294) (3.06%)  | 2438 (7999)  | 2207 (7241)  |
| RESA dimensions 90M X 90M commences from RWS end.<br>Approach GRAD 3.8%, RWY 16L DTHR 231M.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |              |                      |              |              |
| 34R                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (4)  | 2438 (7999)  | 2498 (8195) (3.43%)  | 2438 (7999)  | 2400 (7874)  |
| RESA dimensions 90M X 90M commences from RWS end.<br>1. RWY 34R DTHR 38M.<br>2. OBST- HIAL LCA BTN 2517M and 2880M FM SOT MAX height AGL 22FT penetrate OLS by MAX 4FT are not taken into account in the calculation of TODA gradient and STODA.<br>3. Wind turbulence on RWY 34R may be induced by ships docked at container port located E of RWY 34R when wind is BTN 020 MAG and 065 MAG with a mean wind speed greater than 14KT (gust 20KT).<br>Slope 0.08% down to S. RWY WID 45 RWS WID 280 Graded 150                                                                |      |              |                      |              |              |
| 16R                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (4)  | 3962 (12999) | 4052 (13294) (2.35%) | 3992 (13097) | 3877 (12720) |
| RESA dimensions 90M X 90M commences from RWS end.<br>1. Approach GRAD 2.7%, RWY 16R DTHR 85M.<br>2. OBST-HIAL LCA 4081M FM SOT 6FT AGL penetrates OLS by 1FT is not taken into account in the calculation of TODA gradient and STODA.<br>3. Wind TURB on RWY 16R may be induced by road construction and associated structures LCA under APCH when wind is BTN 200 MAG and 245 MAG with a mean wind speed greater than 18KT (gust 25KT) or when wind is BTN 078 MAG and 101 MAG with a mean wind speed of 14KT (gust 19KT).                                                   |      |              |                      |              |              |
| 34L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (4)  | 3962 (12999) | 4059 (13317) (3.08%) | 3962 (12999) | 3962 (12999) |
| RESA dimensions 90M X 90M commences from RWS end.<br>1. Approach GRAD 2.1%.<br>2. OBST two aerals associated with 34L ILS located 4083.4M FM SOT RWY 34L, aerial one on the extended RWY CL, aerial two 57.5M W of the RWY CL, both 15FT AGL infringe the OLS by 4.5FT and OBST-HIAL LCA BTN 4057M and 4303M FM SOT MAX height AGL 19FT penetrate OLS by MAX 7FT are not taken into account in calculation of TODA gradient and STODA.<br>Slope 0.2% down to N and 0.1% down to S. Highest point 1920M from N end. RWY WID 45 RWS WID 280 Graded 150                          |      |              |                      |              |              |

### SUPPLEMENTARY TAKEOFF DISTANCES

|         |                  |                  |                  |                  |                 |
|---------|------------------|------------------|------------------|------------------|-----------------|
| RWY07-  | 1285(4216)(1.6)  | 1653(5423)(1.9)  | 1919(6296)(2.2)  | 2124(6968)(2.5)  | 2448(8031)(3.3) |
| RWY25-  | 1938(6358)(1.9)  | 2383(7818)(2.2)  | 2465(8087)(2.5)  |                  |                 |
| RWY16L- | 2450(8038)(1.6)  | 2482(8143)(1.9)  | 2499(8199)(2.2)  | 2509(8232)(2.5)  |                 |
| RWY34R- | 1552(5092)(1.6)  | 2028(6653)(1.9)  | 2269(7444)(2.2)  | 2364(7756)(2.5)  | 2469(8100)(3.3) |
| RWY16R- | 3955(12976)(1.6) | 4001(13126)(1.9) | 4036(13241)(2.2) |                  |                 |
| RWY34L- | 3455(11335)(1.6) | 3707(12162)(1.9) | 3884(12743)(2.2) | 3975(13041)(2.5) |                 |

### TAXIWAY INTERSECTION DECLARED DISTANCES

|         |                    |                           |                               |
|---------|--------------------|---------------------------|-------------------------------|
| RWY07-  | TKOF from TWY A;   | RWY remaining 1666(5466)  | reduce all DIST by 864(2835)  |
| RWY07-  | TKOF from TWY B;   | RWY remaining 1300(4265)  | reduce all DIST by 1230(4035) |
| RWY07-  | TKOF from TWY C;   | RWY remaining 1146(3760)  | reduce all DIST by 1384(4541) |
| RWY07-  | TKOF from TWY G2;  | RWY remaining 2397(7864)  | reduce all DIST by 133(436)   |
| RWY07-  | TKOF from TWY Y;   | RWY remaining 2053(6735)  | reduce all DIST by 477(1565)  |
| RWY25-  | TKOF from TWY B;   | RWY remaining 1254(4114)  | reduce all DIST by 1276(4186) |
| RWY25-  | TKOF from TWY C;   | RWY remaining 1406(4613)  | reduce all DIST by 1124(3688) |
| RWY25-  | TKOF from TWY D;   | RWY remaining 1865(6119)  | reduce all DIST by 665(2182)  |
| RWY25-  | TKOF from TWY G4;  | RWY remaining 2394(7854)  | reduce all DIST by 136(446)   |
| RWY16L- | TKOF from TWY L;   | RWY remaining 2277(7470)  | reduce all DIST by 161(528)   |
| RWY34R- | TKOF from TWY T5;  | RWY remaining 2362(7749)  | reduce all DIST by 76(249)    |
| RWY16R- | TKOF from TWY A3;  | RWY remaining 1931(6335)  | reduce all DIST by 2031(6663) |
| RWY16R- | TKOF from TWY B10; | RWY remaining 1439(4721)  | reduce all DIST by 2523(8277) |
| RWY16R- | TKOF from TWY B3;  | RWY remaining 3330(10925) | reduce all DIST by 632(2073)  |
| RWY16R- | TKOF from TWY B4;  | RWY remaining 3139(10298) | reduce all DIST by 823(2700)  |
| RWY16R- | TKOF from TWY B6;  | RWY remaining 2926(9600)  | reduce all DIST by 1036(3399) |
| RWY16R- | TKOF from TWY B8;  | RWY remaining 2142(7027)  | reduce all DIST by 1820(5971) |
| RWY16R- | TKOF from TWY F;   | RWY remaining 3426(11240) | reduce all DIST by 536(1759)  |
| RWY16R- | TKOF from TWY G;   | RWY remaining 2849(9347)  | reduce all DIST by 1113(3652) |
| RWY16R- | TKOF from TWY L;   | RWY remaining 1359(4459)  | reduce all DIST by 2603(8540) |
| RWY34L- | TKOF from TWY A5;  | RWY remaining 3352(10997) | reduce all DIST by 610(2001)  |
| RWY34L- | TKOF from TWY B10; | RWY remaining 2546(8353)  | reduce all DIST by 1416(4646) |
| RWY34L- | TKOF from TWY B6;  | RWY remaining 1059(3474)  | reduce all DIST by 2903(9524) |
| RWY34L- | TKOF from TWY B8;  | RWY remaining 1842(6043)  | reduce all DIST by 2120(6955) |
| RWY34L- | TKOF from TWY G;   | RWY remaining 1135(3724)  | reduce all DIST by 2827(9275) |
| RWY34L- | TKOF from TWY K;   | RWY remaining 1662(5453)  | reduce all DIST by 2300(7546) |
| RWY34L- | TKOF from TWY L;   | RWY remaining 2626(8615)  | reduce all DIST by 1336(4383) |

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TAMWORTH

| RWY                                                                               | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-----------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 06                                                                                | (2)  | 842 (2762)  | 902 (2959) (4.31%)  | 842 (2762)  | 842 (2762)  |
| RESA dimensions 60M X 90M commences from RWY end.                                 |      |             |                     |             |             |
| 24                                                                                | (2)  | 842 (2762)  | 902 (2959) (2.53%)  | 842 (2762)  | 842 (2762)  |
| RESA dimensions 60M X 90M commences from RWY end.                                 |      |             |                     |             |             |
| Slope 0.2% down to SW. RWY WID 30 RWS WID 90                                      |      |             |                     |             |             |
| 12L                                                                               | (4)  | 2200 (7218) | 2260 (7415) (1.55%) | 2200 (7218) | 2200 (7218) |
| RESA dimensions 90M X 150M commences from RWY end.                                |      |             |                     |             |             |
| 30R                                                                               | (4)  | 2200 (7218) | 2260 (7415) (2.2%)  | 2200 (7218) | 2200 (7218) |
| RESA dimensions 90M X 150M commences from RWY end.                                |      |             |                     |             |             |
| Slope 0.8% first 1630(5348) down to NW then level. RWY WID 45 RWS WID 150         |      |             |                     |             |             |
| 12R                                                                               | (1)  | 1110 (3642) | 1140 (3740) (3.57%) | 1110 (3642) | 1110 (3642) |
| RESA dimensions 60M X 90M commences from RWY end.                                 |      |             |                     |             |             |
| 30L                                                                               | (1)  | 1110 (3642) | 1140 (3740) (2.71%) | 1110 (3642) | 1110 (3642) |
| RESA dimensions 60M X 90M commences from RWY end.                                 |      |             |                     |             |             |
| Slope 0.99% first 670M(2198) down to NW then 1.243% to end. RWY WID 18 RWS WID 90 |      |             |                     |             |             |
| 18                                                                                | (2)  | 1020 (3346) | 1080 (3543) (3.46%) | 1020 (3346) | 984 (3228)  |
| RESA dimensions 60M X 90M commences from RWY end.                                 |      |             |                     |             |             |
| RWY 18 DTHR 36M.                                                                  |      |             |                     |             |             |
| 36                                                                                | (2)  | 1020 (3346) | 1080 (3543) (6.62%) | 1020 (3346) | 1020 (3346) |
| RESA dimensions 60M X 90M commences from RWY end.                                 |      |             |                     |             |             |
| Slope 1.2% down to N. RWY WID 30 RWS WID 90                                       |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|         |                 |                 |                 |                 |                 |
|---------|-----------------|-----------------|-----------------|-----------------|-----------------|
| RWY06-  | 848(2782)(3.3)  |                 |                 |                 |                 |
| RWY24-  | 892(2926)(2.5)  |                 |                 |                 |                 |
| RWY30R- | 2139(7018)(1.6) | 2243(7359)(1.9) |                 |                 |                 |
| RWY12R- | 841(2759)(2.2)  | 936(3071)(2.5)  | 1102(3615)(3.3) |                 |                 |
| RWY30L- | 997(3271)(1.6)  | 1038(3405)(1.9) | 1072(3517)(2.2) | 1112(3648)(2.5) |                 |
| RWY18-  | 1033(3389)(3.3) |                 |                 |                 |                 |
| RWY36-  | 867(2844)(1.6)  | 902(2959)(1.9)  | 935(3068)(2.2)  | 957(3140)(2.5)  | 1001(3284)(3.3) |
|         | 1061(3481)(5.0) |                 |                 |                 |                 |

TAXIWAY INTERSECTION DECLARED DISTANCES

|         |                  |                          |                               |
|---------|------------------|--------------------------|-------------------------------|
| RWY12L- | TKOF from TWY B; | RWY remaining 1830(6004) | reduce all DIST by 370(1214)  |
| RWY12L- | TKOF from TWY C; | RWY remaining 1100(3609) | reduce all DIST by 1100(3609) |
| RWY30R- | TKOF from TWY A; | RWY remaining 1823(5981) | reduce all DIST by 377(1237)  |
| RWY30R- | TKOF from TWY C; | RWY remaining 1115(3658) | reduce all DIST by 1085(3560) |

TAREE

| RWY                                                                                                                                 | (CN) | TORA        | TODA                 | ASDA        | LDA         |
|-------------------------------------------------------------------------------------------------------------------------------------|------|-------------|----------------------|-------------|-------------|
| 04                                                                                                                                  | (3)  | 1504 (4934) | 1564 (5131) (2.48%)  | 1504 (4934) | 1389 (4557) |
| RESA dimensions 60M X 60M commences from RWY end.                                                                                   |      |             |                      |             |             |
| RWY 04 DTHR 115M (377FT).                                                                                                           |      |             |                      |             |             |
| 22                                                                                                                                  | (3)  | 1504 (4934) | 1564 (5131) (21.99%) | 1504 (4934) | 1504 (4934) |
| RESA dimensions 60M X 60M commences from RWY end.                                                                                   |      |             |                      |             |             |
| RWY 04/22: TKOF climb SFC inner edge 150M.                                                                                          |      |             |                      |             |             |
| CAUTION: NE end unlit OBST fence 3FT ABV and 89M E of RWY CL has not been taken into account in calculation of TODA GRAD and STODA. |      |             |                      |             |             |
| Slope 0.5% down to NE. RWY WID 30 RWS WID 150 Graded 90                                                                             |      |             |                      |             |             |
| 12                                                                                                                                  | (1)  | 564 (1850)  | 624 (2047) (3.75%)   | 564 (1850)  | 564 (1850)  |
| 30                                                                                                                                  | (1)  | 564 (1850)  | 624 (2047) (5%)      | 564 (1850)  | 564 (1850)  |
| 1. Trees infringe transitional SFC on S side of the RWY.                                                                            |      |             |                      |             |             |
| 2. RWY 12/30 RWS S side transitional surface infringed.                                                                             |      |             |                      |             |             |
| Slope 0.2% down to SE. RWY WID 18 RWS WID 60                                                                                        |      |             |                      |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY04- 1334(4377)(1.6) 1487(4879)(1.9) 1560(5118)(2.2)  
RWY22- 1042(3419)(1.9) 1221(4006)(2.2) 1344(4409)(2.5) 1482(4862)(3.3) 1518(4980)(5.0)

TAROOM

| RWY                                          | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 08                                           | (2)  | 1091 (3579) | 1151 (3776) (4.7%)  | 1091 (3579) | 1091 (3579) |
| 26                                           | (2)  | 1091 (3579) | 1151 (3776) (2.42%) | 1091 (3579) | 1091 (3579) |
| Slope 0.8% down to W. RWY WID 30 RWS WID 90  |      |             |                     |             |             |
| 12                                           | (2)  | 1100 (3609) | 1160 (3806) (2.41%) | 1100 (3609) | 1100 (3609) |
| 30                                           | (2)  | 1100 (3609) | 1160 (3806) (1.6%)  | 1100 (3609) | 1100 (3609) |
| Slope 0.8% down to NW. RWY WID 30 RWS WID 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY08- 854(2802)(1.9) 1048(3438)(2.2) 1082(3550)(2.5) 1121(3678)(3.3)  
RWY26- 1019(3343)(1.6) 1081(3547)(1.9) 1125(3691)(2.2)  
RWY12- 1095(3592)(1.6) 1123(3684)(1.9) 1147(3763)(2.2)

TELFER

| RWY                                                                                                                                                                                                                                  | (CN) | TORA        | TODA                | ASDA        | LDA         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 12                                                                                                                                                                                                                                   | (3)  | 2000 (6562) | 2060 (6758) (1.2%)  | 2000 (6562) | 2000 (6562) |
| RESA dimensions 90M X 60M commences from RWY end.                                                                                                                                                                                    |      |             |                     |             |             |
| 30                                                                                                                                                                                                                                   | (3)  | 2000 (6562) | 2060 (6758) (1.85%) | 2000 (6562) | 2000 (6562) |
| RESA dimensions 90M X 60M commences from RWY end.                                                                                                                                                                                    |      |             |                     |             |             |
| 1. RWY 30: Perimeter fences not taken into calculation of TODA gradients and STODA. Perimeter fences cross inner edge 2060M FM SOT 79M L of EXTD CL 980FT AMSL 5FT ABV end of TODA and 79M R EXTD CL 983FT AMSL 8FT ABV end of TODA. |      |             |                     |             |             |
| 2. Mine tailings & masts protrude through obstacle limitation surface south side of RWY.                                                                                                                                             |      |             |                     |             |             |
| 3. Approach inner edge 150M. Approach GRAD 3.33%.                                                                                                                                                                                    |      |             |                     |             |             |
| Slope 0.41% down to SE. RWY WID 30 RWS WID 150 Graded 90                                                                                                                                                                             |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY30- 1815(5955)(1.6)

**TEMORA**

| <b>RWY</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>(CN)</b> | <b>TORA</b> | <b>TODA</b>         | <b>ASDA</b> | <b>LDA</b>  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|---------------------|-------------|-------------|
| 05                                                                                                                                                                                                                                                                                                                                                                                                                                                                | (3)         | 2040 (6693) | 2100 (6890) (4.57%) | 2040 (6693) | 2040 (6693) |
| RESA dimensions 60M X 60M commences from RWY end.<br>OBST: Fence 2.8FT ABV and at RWS end transient OBST (Railway) up to 16.3FT ABV and 57M E of RWS end are not taken into account in the calculation of TODA GRAD and STODA.                                                                                                                                                                                                                                    |             |             |                     |             |             |
| 23                                                                                                                                                                                                                                                                                                                                                                                                                                                                | (3)         | 2040 (6693) | 2100 (6890) (3.01%) | 2040 (6693) | 1980 (6496) |
| RESA dimensions 60M X 60M commences from RWY end.<br>1. OBST: Fence 1.9FT ABV RWS end parallel to RWY, 75M N and S of RCL, are not taken into account in the calculation of TODA GRAD and STODA.<br>2. RWY 23 DTHR 60M.<br>Slope 0.5% from each end down to centre. RWY WID 30 RWS WID 90                                                                                                                                                                         |             |             |                     |             |             |
| 09                                                                                                                                                                                                                                                                                                                                                                                                                                                                | (1)         | 815 (2674)  | 845 (2772) (4.26%)  | 815 (2674)  | 815 (2674)  |
| 27                                                                                                                                                                                                                                                                                                                                                                                                                                                                | (1)         | 815 (2674)  | 845 (2772) (1.7%)   | 815 (2674)  | 815 (2674)  |
| Slope Level. RWY WID 30 RWS WID 60                                                                                                                                                                                                                                                                                                                                                                                                                                |             |             |                     |             |             |
| 18                                                                                                                                                                                                                                                                                                                                                                                                                                                                | (3)         | 1469 (4819) | 1547 (5075) (4.59%) | 1469 (4819) | 1355 (4445) |
| RESA dimensions 60M X 60M commences from RWY end.<br>1. RWY 18 DTHR 114M.<br>2. Fence 6.5FT ABV and 24M S of RWS end, and transient OBST up to 16.7FT ABV and 29M S of RWS end, not taken into account in calculation of TODA GRAD and STODA.                                                                                                                                                                                                                     |             |             |                     |             |             |
| 36                                                                                                                                                                                                                                                                                                                                                                                                                                                                | (3)         | 1469 (4819) | 1529 (5016) (3.66%) | 1469 (4819) | 1455 (4774) |
| RESA dimensions 60M X 60M commences from RWY end.<br>1. RWY 36 DTHR 14M.<br>2. Infrequent transient OBSTR on APCH to RWY 18/36.<br>3. Transient OBSTR not accounted for in locating THR.<br>4. RWY 18/36 APCH takeoff inner edge 90.<br>5. Fence 3.1FT ABV & 33M N of RWS end, and transient OBST up to 18.9FT ABV and 70M N of RWS end, have not been taken into account in the calculation of TODA GRAD & STODA.<br>Slope 0.3% down to N. RWY WID 30 RWS WID 90 |             |             |                     |             |             |

**SUPPLEMENTARY TAKEOFF DISTANCES**

RWY05- 1814(5951)(1.6) 1877(6158)(1.9) 1924(6312)(2.2) 1962(6437)(2.5) 2035(6676)(3.3)  
 RWY23- 1277(4190)(1.6) 1591(5220)(1.9) 1788(5866)(2.2) 1931(6335)(2.5)  
 RWY18- 959(3146)(1.9) 1119(3671)(2.2) 1224(4016)(2.5) 1410(4626)(3.3)  
 RWY36- 957(3140)(1.6) 1133(3717)(1.9) 1260(4134)(2.2) 1364(4475)(2.5) 1517(4977)(3.3)

**TENNANT CREEK**

| <b>RWY</b>                                                                                                                                                                                                                                                 | <b>(CN)</b> | <b>TORA</b> | <b>TODA</b>         | <b>ASDA</b> | <b>LDA</b>  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|---------------------|-------------|-------------|
| 07                                                                                                                                                                                                                                                         | (3)         | 1959 (6427) | 2019 (6624) (2.81%) | 1959 (6427) | 1959 (6427) |
| RESA dimensions 120M X 90M commences from RWS end.                                                                                                                                                                                                         |             |             |                     |             |             |
| 25                                                                                                                                                                                                                                                         | (3)         | 1959 (6427) | 2019 (6624) (2.01%) | 1959 (6427) | 1959 (6427) |
| RESA dimensions 110M X 90M commences from RWS end.<br>OBST fences 6.3FT ABV, 98M south and 4.1FT ABV, 91M north, both PARL to RCL are not taken into account in determining TODA GRAD and STODA.<br>Slope 0.4% down to W. RWY WID 30 RWS WID 150 Graded 90 |             |             |                     |             |             |
| 11                                                                                                                                                                                                                                                         | (2)         | 1054 (3458) | 1114 (3655) (2.94%) | 1054 (3458) | 1054 (3458) |
| RESA dimensions 120M X 90M commences from RWS end.                                                                                                                                                                                                         |             |             |                     |             |             |
| 29                                                                                                                                                                                                                                                         | (2)         | 1054 (3458) | 1178 (3865) (1.91%) | 1054 (3458) | 1054 (3458) |
| RESA dimensions 120M X 90M commences from RWS end.<br>Slope 0.4% down to NW. RWY WID 23 RWS WID 90                                                                                                                                                         |             |             |                     |             |             |

**SUPPLEMENTARY TAKEOFF DISTANCES**

RWY07- 1300(4265)(2.2) 1699(5574)(2.5)  
 RWY25- 1959(6427)(1.6) 2006(6581)(1.9)  
 RWY11- 806(2644)(2.2) 956(3136)(2.5)  
 RWY29- 1119(3671)(1.6) 1177(3862)(1.9)

THANGOOL

| RWY                                                            | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 10                                                             | (2)  | 1527 (5010) | 1587 (5207) (2.54%) | 1527 (5010) | 1527 (5010) |
| RESA dimensions 60M X 60M commences from RWY end.              |      |             |                     |             |             |
| 28                                                             | (2)  | 1527 (5010) | 1587 (5207) (3.63%) | 1527 (5010) | 1527 (5010) |
| RESA dimensions 60M X 60M commences from RWY end.              |      |             |                     |             |             |
| RWY 10/28 - OBST survey conducted using 150M inner edge width. |      |             |                     |             |             |
| Slope 0.2% down to W. RWY WID 30 RWS WID 90                    |      |             |                     |             |             |
| 14                                                             | (1)  | 794 (2605)  | 854 (2802) (4.5%)   | 794 (2605)  | 794 (2605)  |
| 32                                                             | (1)  | 794 (2605)  | 854 (2802) (3.22%)  | 794 (2605)  | 794 (2605)  |
| Slope 0.4% down to NW. RWY WID 30 RWS WID 60                   |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY10- 1022(3353)(1.9) 1408(4619)(2.2) 1570(5151)(2.5)  
RWY28- 1007(3304)(1.6) 1197(3927)(1.9) 1317(4321)(2.2) 1398(4587)(2.5) 1545(5069)(3.3)

THARGOMINDAH

| RWY                                                   | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 04                                                    | (2)  | 846 (2776)  | 906 (2972) (3.75%)  | 846 (2776)  | 846 (2776)  |
| 22                                                    | (2)  | 846 (2776)  | 906 (2972) (3.34%)  | 846 (2776)  | 846 (2776)  |
| Slope 0.4% down to NE. RWY WID 30 RWS WID 90          |      |             |                     |             |             |
| 13                                                    | (2)  | 1463 (4800) | 1523 (4997) (6.62%) | 1463 (4800) | 1463 (4800) |
| RESA dimensions 90M X 60M commences from RWY end.     |      |             |                     |             |             |
| 31                                                    | (2)  | 1463 (4800) | 1523 (4997) (14.9%) | 1463 (4800) | 1463 (4800) |
| RESA dimensions 90M X 60M commences from RWY end.     |      |             |                     |             |             |
| RWY reference code based on 150M TKOF inner edge WID. |      |             |                     |             |             |
| Slope 0.1% down to SE. RWY WID 30 RWS WID 90          |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY04- 819(2687)(2.5) 883(2897)(3.3)  
RWY22- 902(2959)(3.3)  
RWY13- 912(2992)(1.6) 1147(3763)(1.9) 1313(4308)(2.2) 1401(4596)(2.5) 1468(4816)(3.3)  
1510(4954)(5.0)  
RWY31- 1395(4577)(1.6) 1434(4705)(1.9) 1457(4780)(2.2) 1466(4810)(2.5) 1482(4862)(3.3)  
1500(4921)(5.0)

THE GRANITES

| RWY                                                    | (CN) | TORA        | TODA                | ASDA        | LDA         |
|--------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 11                                                     | (3)  | 2336 (7664) | 2396 (7861) (2.47%) | 2336 (7664) | 2336 (7664) |
| RESA dimensions 90M X 60M commences from RWS end.      |      |             |                     |             |             |
| 29                                                     | (3)  | 2336 (7664) | 2396 (7861) (2.8%)  | 2336 (7664) | 2336 (7664) |
| RESA dimensions 90M X 60M commences from RWS end.      |      |             |                     |             |             |
| RWY 11/29 APCH inner edge length 150M.                 |      |             |                     |             |             |
| Slope 0.2% down to W. RWY WID 30 RWS WID 150 Graded 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY11- 2264(7428)(1.6) 2325(7628)(1.9) 2367(7766)(2.2)  
RWY29- 1312(4304)(1.9) 1762(5781)(2.2) 2112(6929)(2.5)



THE MONUMENT

| RWY                                               | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 14                                                | (3)  | 1900 (6234) | 1960 (6430) (2%)    | 1900 (6234) | 1900 (6234) |
| RESA dimensions 90M X 60M commences from RWS end. |      |             |                     |             |             |
| 32                                                | (3)  | 1900 (6234) | 1960 (6430) (2.84%) | 1900 (6234) | 1900 (6234) |
| RESA dimensions 90M X 60M commences from RWS end. |      |             |                     |             |             |
| Slope Level. RWY WID 30 RWS WID 150 Graded 90     |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |  |
|--------|-----------------|-----------------|-----------------|-----------------|--|
| RWY14- | 1954(6411)(1.6) | 1959(6427)(1.9) |                 |                 |  |
| RWY32- | 1556(5105)(1.6) | 1708(5604)(1.9) | 1810(5938)(2.2) | 1884(6181)(2.5) |  |

THEODORE

| RWY                                                                           | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 17                                                                            | (3)  | 1350 (4429) | 1410 (4626) (1.6%)  | 1350 (4429) | 1350 (4429) |
| 35                                                                            | (3)  | 1350 (4429) | 1410 (4626) (1.95%) | 1350 (4429) | 1350 (4429) |
| Slope FM centre down 0.7% to N and 0.5% to S. RWY WID 30 RWS WID 90 Graded 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |  |  |  |
|--------|-----------------|-----------------|--|--|--|
| RWY35- | 1306(4285)(1.6) | 1391(4564)(1.9) |  |  |  |
|--------|-----------------|-----------------|--|--|--|

THUNDERBOX

| RWY                                                    | (CN) | TORA        | TODA                | ASDA        | LDA         |
|--------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 07                                                     | (3)  | 2000 (6562) | 2060 (6758) (1.94%) | 2000 (6562) | 2000 (6562) |
| RESA dimensions 60M X 60M commences from RWY end.      |      |             |                     |             |             |
| 25                                                     | (3)  | 2000 (6562) | 2060 (6758) (2.06%) | 2000 (6562) | 2000 (6562) |
| RESA dimensions 60M X 60M commences from RWY end.      |      |             |                     |             |             |
| TKOF inner edge length 90M.                            |      |             |                     |             |             |
| Slope 0.14% down to E. RWY WID 30 RWS WID 90 Graded 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |  |  |  |
|--------|-----------------|-----------------|--|--|--|
| RWY07- | 1977(6486)(1.6) | 2051(6729)(1.9) |  |  |  |
| RWY25- | 1881(6171)(1.6) | 2008(6588)(1.9) |  |  |  |

TIBOOBURRA

| RWY                                                                | (CN) | TORA        | TODA                | ASDA        | LDA         |
|--------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 02                                                                 | (2)  | 995 (3264)  | 1055 (3461) (4.07%) | 995 (3264)  | 995 (3264)  |
| RESA dimensions 60M X 60M commences from RWY end.                  |      |             |                     |             |             |
| 3.3% OBST clear APCH SFC LDG RWY 20 terminates at THR not RWS end. |      |             |                     |             |             |
| 20                                                                 | (2)  | 995 (3264)  | 1055 (3461) (5.44%) | 995 (3264)  | 995 (3264)  |
| RESA dimensions 60M X 60M commences from RWY end.                  |      |             |                     |             |             |
| 3.3% OBST clear APCH SFC LDG RWY 02 terminates at THR not RWS end. |      |             |                     |             |             |
| Slope 0.4% down to SW. RWY WID 18 RWS WID 90                       |      |             |                     |             |             |
| 15                                                                 | (2)  | 1532 (5026) | 1592 (5223) (5.14%) | 1532 (5026) | 1532 (5026) |
| 4% OBST clear APCH SFC LDG RWY 33 terminates at THR not RWS end.   |      |             |                     |             |             |
| 33                                                                 | (2)  | 1532 (5026) | 1592 (5223) (9.22%) | 1532 (5026) | 1532 (5026) |
| 4% OBST clear APCH SFC LDG RWY 15 terminates at THR not RWS end.   |      |             |                     |             |             |
| Slope 1.0% down to SE. RWY WID 18 RWS WID 90                       |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|                 |                 |                 |                 |                 |                 |
|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| RWY02-          | 880(2887)(1.9)  | 935(3068)(2.2)  | 990(3248)(2.5)  | 1041(3415)(3.3) |                 |
| RWY20-          | 973(3192)(1.6)  | 986(3235)(1.9)  | 995(3264)(2.2)  | 1003(3291)(2.5) | 1017(3337)(3.3) |
| 1052(3451)(5.0) |                 |                 |                 |                 |                 |
| RWY15-          | 1528(5013)(1.6) | 1550(5085)(1.9) | 1564(5131)(2.2) | 1569(5148)(2.5) | 1580(5184)(3.3) |
| 1591(5220)(5.0) |                 |                 |                 |                 |                 |
| RWY33-          | 1096(3596)(1.6) | 1277(4190)(1.9) | 1381(4531)(2.2) | 1449(4754)(2.5) | 1520(4987)(3.3) |
| 1561(5121)(5.0) |                 |                 |                 |                 |                 |

TINDAL

| RWY | (CN)  | TORA        | TODA               | ASDA        | LDA         |
|-----|-------|-------------|--------------------|-------------|-------------|
| 14  | (MIL) | 2444 (8018) | 2589 (8494) (3.3%) | 2444 (8018) | 2444 (8018) |
| 32  | (MIL) | 2444 (8018) | 2504 (8215) (1.6%) | 2444 (8018) | 2444 (8018) |

1. TKOF/Climb SFC inner edge WID 180.  
Slope Level to SE to 317M, then up 0.3% to 1515M, then up 0.1% to RWY end. RWY WID 45  
RWS WID 280

**OPERATIONAL READINESS PLATFORMS (ORP)**  
*TEMPO DISP THR RWY 14 marked by four white cones either side of the RWY, 242M from the RWY 14 end.*

| RWY | TORA       | TODA             | ASDA       | LDA        |
|-----|------------|------------------|------------|------------|
| 14  | 2444(8018) | 2589(8494)(3.3%) | 2444(8018) | 2202(7224) |
| 32  | 2444(8018) | 2504(8215)(3.8)  | 2444(8018) | 2444(8018) |

**SUPPLEMENTARY TAKEOFF DISTANCES**

|     |                 |                 |                 |                 |
|-----|-----------------|-----------------|-----------------|-----------------|
| RWY |                 |                 |                 |                 |
| 32  | 2237(7339)(1.6) | 2293(7522)(1.9) | 2308(7572)(2.0) | 2333(7654)(2.2) |
|     | 2364(7755)(2.5) | 2402(7880)(3.0) | 2419(7936)(3.3) |                 |

*TEMPO DISP THR RWY 32 marked by four white cones either side of the RWY, 617M from the RWY 32 end.*

| RWY | TORA       | TODA             | ASDA       | LDA        |
|-----|------------|------------------|------------|------------|
| 14  | 1827(5994) | 1827(5994)(5.0%) | 1827(5994) | 1827(5994) |
| 32  | 1827(5994) | 1887(6190)(1.6%) | 1827(5994) | 1827(5994) |

**SUPPLEMENTARY TAKEOFF DISTANCES**

|     |                  |                  |                  |  |
|-----|------------------|------------------|------------------|--|
| RWY |                  |                  |                  |  |
| 14  | 1639(5377)(1.6%) | 1729(5672)(2.5%) | 1769(5803)(3.3%) |  |

**SUPPLEMENTARY TAKEOFF DISTANCES**

RWY14- 2239(7346)(1.6) 2348(7703)(1.9) 2362(7749)(2.0) 2406(7894)(2.2) 2444(8018)(2.5)

TOCUMWAL

| RWY | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-----|------|-------------|---------------------|-------------|-------------|
| 09  | (2)  | 1202 (3944) | 1262 (4140) (3.47%) | 1202 (3944) | 1202 (3944) |
| 27  | (2)  | 1202 (3944) | 1262 (4140) (2.13%) | 1202 (3944) | 1202 (3944) |

CAUTION: Transient OBST up to 15.1FT ABV and 121M W of RWS end has not been taken into account in calculating TODA GRAD and STODA.

Slope 0.2% down to W. RWY Code 2. RWY WID 30 RWS WID 90

|    |     |             |                     |             |             |
|----|-----|-------------|---------------------|-------------|-------------|
| 18 | (2) | 1273 (4176) | 1333 (4373) (3.72%) | 1273 (4176) | 1273 (4176) |
| 36 | (2) | 1273 (4176) | 1460 (4790) (2.92%) | 1273 (4176) | 1273 (4176) |

Slope 0.1% down to N. RWY Code 2. RWY WID 30 RWS WID 90

**SUPPLEMENTARY TAKEOFF DISTANCES**

|        |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|
| RWY09- | 920(3018)(2.2)  | 1051(3448)(2.5) | 1241(4071)(3.3) |                 |
| RWY27- | 1217(3993)(1.6) | 1246(4088)(1.9) |                 |                 |
| RWY18- | 951(3120)(1.9)  | 1074(3524)(2.2) | 1161(3809)(2.5) | 1292(4239)(3.3) |
| RWY36- | 1098(3602)(1.6) | 1272(4173)(1.9) | 1399(4590)(2.2) | 1450(4757)(2.5) |

**TOOWOOMBA**

| RWY                                                | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 06                                                 | (1)  | 660 (2165)  | 690 (2264) (5.05%)  | 660 (2165)  | 660 (2165)  |
| 24                                                 | (1)  | 660 (2165)  | 690 (2264) (2.47%)  | 660 (2165)  | 660 (2165)  |
| Slope 1.2% down to SW. RWY WID 18 RWS WID 60       |      |             |                     |             |             |
| 11                                                 | (2)  | 1221 (4006) | 1281 (4203) (1.92%) | 1221 (4006) | 1221 (4006) |
| RESA dimensions 120M X 90M commences from RWY end. |      |             |                     |             |             |
| 29                                                 | (2)  | 1221 (4006) | 1281 (4203) (1.2%)  | 1221 (4006) | 1221 (4006) |
| RESA dimensions 120M X 90M commences from RWY end. |      |             |                     |             |             |

1. TKOF run for jet OPS commences at the THR for both directions on RWY 11/29. The TORA, STODA, TODA and ASDA for jet OPS shown above.

2. TKOF run for non-jet OPS on RWY 11/29 at RESA end for both directions. TORA, STODA, TODA and ASDA length for non-jet OPS are increased by 120M.

3. AD is rated Code 2C.

4. RWY 11/29 - distance to run markers - 300/600M southern side.

Slope FM W end 1.2% up to E for 405M, then down 0.7% to E RESA end. RWY WID 30 RWS WID 90

**SUPPLEMENTARY TAKEOFF DISTANCES**

RWY11- 1091(3579)(1.6) 1273(4176)(1.9)

**TOWNSVILLE/TOWNSVILLE INTL**

| RWY | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-----|------|-------------|---------------------|-------------|-------------|
| 01  | (4)  | 2438 (7999) | 2640 (8661) (2.23%) | 2438 (7999) | 2438 (7999) |

RESA dimensions 300M X 90M commences from RWY end.

1. RWY 01 TODA GRAD and STODA is based on a reduced length of defined TKOF SFC surveyed to 7500M.

2. RWY 01 THR LCA is determined by a 3.01% clear GRAD to THR.

|    |     |             |                     |             |             |
|----|-----|-------------|---------------------|-------------|-------------|
| 19 | (4) | 2438 (7999) | 2640 (8661) (2.77%) | 2438 (7999) | 2438 (7999) |
|----|-----|-------------|---------------------|-------------|-------------|

RESA dimensions 300M X 90M commences from RWY end.

RWY 19 THR LCA is determined by a reduced length of defined APCH SFC surveyed to 7,500M with a 300M inner edge.

Slope 0.1% down to N. RWY WID 45 RWS WID 300 Graded 150

|    |     |             |                     |             |             |
|----|-----|-------------|---------------------|-------------|-------------|
| 07 | (2) | 1100 (3609) | 1160 (3806) (3.19%) | 1100 (3609) | 1100 (3609) |
|----|-----|-------------|---------------------|-------------|-------------|

RESA dimensions 60M X 60M commences from RWY end.

|    |     |             |                     |             |             |
|----|-----|-------------|---------------------|-------------|-------------|
| 25 | (2) | 1100 (3609) | 1160 (3806) (3.12%) | 1100 (3609) | 1100 (3609) |
|----|-----|-------------|---------------------|-------------|-------------|

RESA dimensions 60M X 60M commences from RWY end.

RWY 07/25 surveyed to 90M wide inner edge.

Slope Level. RWY WID 30 RWS WID 90

**SUPPLEMENTARY TAKEOFF DISTANCES**

RWY01- 2564(8412)(1.6) 2607(8553)(1.9) 2638(8655)(2.2)

RWY19- 1895(6217)(1.6) 2487(8159)(1.9) 2554(8379)(2.2) 2605(8546)(2.5)

RWY07- 868(2848)(2.2) 979(3212)(2.5)

RWY25- 1104(3622)(1.6) 1123(3684)(1.9) 1138(3734)(2.2) 1149(3770)(2.5)

**TREPELL**

| RWY | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-----|------|-------------|---------------------|-------------|-------------|
| 14  | (3)  | 1800 (5905) | 1860 (6102) (2.05%) | 1800 (5905) | 1800 (5905) |
| 32  | (3)  | 1800 (5905) | 1860 (6102) (1.83%) | 1800 (5905) | 1800 (5905) |

Slope 0.26% down to SE. RWY WID 30 RWS WID 150 Graded 90

**SUPPLEMENTARY TAKEOFF DISTANCES**

RWY14- 1792(5879)(1.6) 1837(6027)(1.9)

RWY32- 1807(5928)(1.6)

TROPICANA

| RWY                                                    | (CN) | TORA        | TODA                | ASDA        | LDA         |
|--------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 09                                                     | (3)  | 2100 (6890) | 2160 (7087) (2.13%) | 2100 (6890) | 2100 (6890) |
| RESA dimensions 90M X 60M commences from RWS end.      |      |             |                     |             |             |
| 27                                                     | (3)  | 2100 (6890) | 2160 (7087) (2.99%) | 2100 (6890) | 2100 (6890) |
| RESA dimensions 90M X 60M commences from RWS end.      |      |             |                     |             |             |
| Side transitional SFC infringed by trees both sides.   |      |             |                     |             |             |
| Slope 0.5% down to E. RWY WID 30 RWS WID 150 Graded 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |  |
|--------|-----------------|-----------------|-----------------|-----------------|--|
| RWY09- | 2065(6775)(1.6) | 2127(6978)(1.9) |                 |                 |  |
| RWY27- | 1158(3799)(1.6) | 1497(4911)(1.9) | 1788(5866)(2.2) | 2051(6729)(2.5) |  |

TROUGHTON ISLAND

| RWY                                                              | (CN) | TORA       | TODA               | ASDA       | LDA        |
|------------------------------------------------------------------|------|------------|--------------------|------------|------------|
| 14                                                               | (2)  | 982 (3222) | 1042 (3419) (1.2%) | 982 (3222) | 982 (3222) |
| 32                                                               | (2)  | 982 (3222) | 1042 (3419) (1.2%) | 982 (3222) | 982 (3222) |
| 1. RESA commences from RWY end.                                  |      |            |                    |            |            |
| Slope 0.9% down to SE and 0.9% down to NW. RWY WID 30 RWS WID 90 |      |            |                    |            |            |

TRUSCOTT-MUNGALALU

| RWY                                                                                                                                | (CN) | TORA        | TODA                | ASDA        | LDA         |
|------------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 12                                                                                                                                 | (3)  | 1800 (5905) | 1860 (6102) (3.02%) | 1800 (5905) | 1800 (5905) |
| RESA dimensions 90M X 60M commences from RWS end.                                                                                  |      |             |                     |             |             |
| 30                                                                                                                                 | (3)  | 1800 (5905) | 1860 (6102) (2.63%) | 1800 (5905) | 1800 (5905) |
| RESA dimensions 90M X 60M commences from RWS end.                                                                                  |      |             |                     |             |             |
| 1. RWY 12 OBST fence, 4FT ABV and 80M left of RWS end centreline not taken into account in the calculation of TODA GRAD and STODA. |      |             |                     |             |             |
| 2. Transitions infringed by trees.                                                                                                 |      |             |                     |             |             |
| 3. RWY 12/30 APCH inner edge length 150M.                                                                                          |      |             |                     |             |             |
| Slope 0.5% down to NW. RWY WID 30 RWS WID 90                                                                                       |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |  |
|--------|-----------------|-----------------|-----------------|-----------------|--|
| RWY12- | 1383(4537)(1.6) | 1563(5128)(1.9) | 1680(5512)(2.2) | 1762(5781)(2.5) |  |
| RWY30- | 1532(5026)(1.6) | 1664(5459)(1.9) | 1757(5764)(2.2) | 1831(6007)(2.5) |  |

TUMBY BAY

| RWY                                               | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 15                                                | (2)  | 1097 (3599) | 1157 (3796) (3.74%) | 1097 (3599) | 1097 (3599) |
| RESA dimensions 60M X 60M commences from RWY end. |      |             |                     |             |             |
| 33                                                | (2)  | 1097 (3599) | 1157 (3796) (1.81%) | 1097 (3599) | 1097 (3599) |
| RESA dimensions 60M X 60M commences from RWY end. |      |             |                     |             |             |
| Slope 0.6% down to S. RWY WID 18 RWS WID 90       |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                |                 |                 |                 |
|--------|-----------------|----------------|-----------------|-----------------|-----------------|
| RWY15- | 893(2930)(1.6)  | 959(3146)(1.9) | 1011(3317)(2.2) | 1052(3451)(2.5) | 1131(3711)(3.3) |
| RWY33- | 1017(3337)(1.6) |                |                 |                 |                 |

TUMUT

| RWY                                               | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 17                                                | (1)  | 1060 (3478) | 1120 (3674) (4.06%) | 1060 (3478) | 1060 (3478) |
| RESA dimensions 60M X 36M commences from RWY end. |      |             |                     |             |             |
| 35                                                | (1)  | 1060 (3478) | 1120 (3674) (2.74%) | 1060 (3478) | 1060 (3478) |
| RESA dimensions 60M X 36M commences from RWY end. |      |             |                     |             |             |
| Slope 0.5% down to N. RWY WID 18 RWS WID 90       |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                |                 |
|--------|----------------|-----------------|
| RWY17- | 859(2818)(2.5) | 1029(3376)(3.3) |
| RWY35- | 904(2966)(2.2) | 1034(3392)(2.5) |

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WAGGA WAGGA

| RWY                                                | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 05                                                 | (3)  | 1770 (5807) | 1830 (6004) (3.28%) | 1770 (5807) | 1770 (5807) |
| RESA dimensions 60M X 150M commences from RWY end. |      |             |                     |             |             |
| 23                                                 | (3)  | 1770 (5807) | 1830 (6004) (1.82%) | 1770 (5807) | 1770 (5807) |
| RESA dimensions 60M X 150M commences from RWY end. |      |             |                     |             |             |
| Slope 0.2% down to NE. RWY WID 45 RWS WID 150      |      |             |                     |             |             |
| 12                                                 | (1)  | 851 (2792)  | 911 (2989) (3.26%)  | 851 (2792)  | 851 (2792)  |
| RESA dimensions 60M X 90M commences from RWY end.  |      |             |                     |             |             |
| 30                                                 | (1)  | 851 (2792)  | 924 (3031) (3.46%)  | 851 (2792)  | 851 (2792)  |
| RESA dimensions 60M X 90M commences from RWY end.  |      |             |                     |             |             |
| Slope 0.6% down to NW. RWY WID 18 RWS WID 90       |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|
| RWY05- | 918(3012)(1.6)  | 1593(5226)(1.9) | 1812(5945)(2.2) | 1819(5968)(2.5) |
| RWY23- | 1727(5666)(1.6) |                 |                 |                 |
| RWY12- | 800(2625)(2.2)  | 843(2766)(2.5)  |                 |                 |
| RWY30- | 819(2687)(2.5)  | 910(2986)(3.3)  |                 |                 |

WALGETT

| RWY                                                                                                                         | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-----------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 05                                                                                                                          | (3)  | 1626 (5335) | 1686 (5531) (4.61%) | 1626 (5335) | 1626 (5335) |
| RESA dimensions 90M X 60M commences from RWY end.                                                                           |      |             |                     |             |             |
| CAUTION: OBST Fence 3.9FT ABV and PARL to RWY, 75M SE of RCL, is not taken into account in determining TODA GRAD and STODA. |      |             |                     |             |             |
| 23                                                                                                                          | (3)  | 1626 (5335) | 1686 (5531) (8.72%) | 1626 (5335) | 1626 (5335) |
| RESA dimensions 90M X 60M commences from RWY end.                                                                           |      |             |                     |             |             |
| CAUTION: OBST Fence 2.8FT ABV and PARL to RWY, 89M SE of RCL, is not taken into account in determining TODA GRAD and STODA. |      |             |                     |             |             |
| Slope Level. RWY WID 30 RWS WID 150 Graded 90                                                                               |      |             |                     |             |             |
| 18                                                                                                                          | (2)  | 1153 (3783) | 1213 (3980) (2.58%) | 1153 (3783) | 1153 (3783) |
| 36                                                                                                                          | (2)  | 1153 (3783) | 1213 (3980) (5.12%) | 1153 (3783) | 1153 (3783) |
| Slope Level. RWY WID 30 RWS WID 90 Graded 90                                                                                |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| RWY05- | 1272(4173)(1.6) | 1408(4619)(1.9) | 1504(4934)(2.2) | 1574(5164)(2.5) | 1636(5367)(3.3) |
| RWY23- | 858(2815)(1.9)  | 1001(3284)(2.2) | 1103(3619)(2.5) | 1303(4275)(3.3) | 1512(4961)(5.0) |
| RWY18- | 1084(3556)(1.6) | 1136(3727)(1.9) | 1176(3858)(2.2) | 1207(3960)(2.5) |                 |
| RWY36- | 870(2854)(2.2)  | 970(3182)(2.5)  | 1121(3678)(3.3) | 1211(3973)(5.0) |                 |

WANGARATTA

| RWY                                                                                                                            | (CN) | TORA        | TODA                | ASDA        | LDA         |
|--------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 09                                                                                                                             | (1)  | 530 (1739)  | 560 (1837) (4.75%)  | 530 (1739)  | 530 (1739)  |
| 27                                                                                                                             | (1)  | 530 (1739)  | 560 (1837) (5.07%)  | 530 (1739)  | 530 (1739)  |
| Slope 0.2% down to W. RWY WID 18 RWS WID 60                                                                                    |      |             |                     |             |             |
| 18                                                                                                                             | (3)  | 1640 (5381) | 1700 (5577) (4.93%) | 1640 (5381) | 1640 (5381) |
| RESA dimensions 60M X 60M commences from RWY end.                                                                              |      |             |                     |             |             |
| Unlit OBST Fence 4.8FT ABV and 30M S of RWS end has not been taken into account in the calculation of the TODA GRAD and STODA. |      |             |                     |             |             |
| 36                                                                                                                             | (3)  | 1640 (5381) | 1700 (5577) (3.36%) | 1640 (5381) | 1640 (5381) |
| RESA dimensions 60M X 60M commences from RWY end.                                                                              |      |             |                     |             |             |
| 1. 3.33% OBST CLR APCH SFC LDG RWY 36 terminates at THR not RWS end.                                                           |      |             |                     |             |             |
| 2. LDG RWY 36 - Unlit OBST is fence 4.8FT ABV and 30M S of RWS end.                                                            |      |             |                     |             |             |
| 3. Transitional SFC infringed on W side by isolated trees.                                                                     |      |             |                     |             |             |
| Slope 0.1% down to N. RWY WID 30 RWS WID 150                                                                                   |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY18- 852(2795)(1.6) 1056(3465)(1.9) 1201(3940)(2.2) 1311(4301)(2.5) 1505(4938)(3.3)  
RWY36- 1074(3524)(1.6) 1259(4131)(1.9) 1396(4580)(2.2) 1500(4921)(2.5) 1691(5548)(3.3)

WARBURTON

| RWY                                               | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 18                                                | (2)  | 1590 (5216) | 1650 (5413) (4.08%) | 1590 (5216) | 1590 (5216) |
| RESA dimensions 60M X 60M commences from RWS end. |      |             |                     |             |             |
| 36                                                | (2)  | 1590 (5216) | 1650 (5413) (3.41%) | 1590 (5216) | 1590 (5216) |
| RESA dimensions 60M X 60M commences from RWS end. |      |             |                     |             |             |
| Slope 0.2% down to S. RWY WID 23 RWS WID 80       |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY18- 1318(4324)(1.6) 1400(4593)(1.9) 1461(4793)(2.2) 1509(4951)(2.5) 1596(5236)(3.3)  
RWY36- 1436(4711)(1.6) 1503(4931)(1.9) 1550(5085)(2.2) 1584(5197)(2.5) 1644(5394)(3.3)

WARRACKNABEAL

| RWY                                                                                                          | (CN) | TORA        | TODA                | ASDA        | LDA         |
|--------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 08                                                                                                           | (3)  | 1372 (4501) | 1432 (4698) (1.68%) | 1372 (4501) | 1372 (4501) |
| RESA dimensions 60M X 90M commences from RWY end.                                                            |      |             |                     |             |             |
| Fence 2.1FT ABV and PARL to RWY, 57M S of RCL, is not taken into account in calculating TODA GRAD and STODA. |      |             |                     |             |             |
| 26                                                                                                           | (3)  | 1372 (4501) | 1432 (4698) (4.22%) | 1372 (4501) | 1372 (4501) |
| RESA dimensions 60M X 90M commences from RWY end.                                                            |      |             |                     |             |             |
| CAUTION: Side transitions infringed.                                                                         |      |             |                     |             |             |
| Slope 0.3% from THR down to centre. RWY WID 30 RWS WID 150 Graded 90                                         |      |             |                     |             |             |
| 17                                                                                                           | (1)  | 763 (2503)  | 823 (2700) (2.05%)  | 763 (2503)  | 763 (2503)  |
| RESA dimensions 60M X 90M commences from RWY end.                                                            |      |             |                     |             |             |
| 35                                                                                                           | (1)  | 763 (2503)  | 823 (2700) (2.03%)  | 763 (2503)  | 763 (2503)  |
| RESA dimensions 60M X 90M commences from RWY end.                                                            |      |             |                     |             |             |
| Slope 0.4% down to N. RWY WID 30 RWS WID 90                                                                  |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY08- 1374(4508)(1.6)  
RWY26- 1047(3435)(1.6) 1151(3776)(1.9) 1227(4026)(2.2) 1281(4203)(2.5) 1375(4511)(3.3)



WARREN

| RWY                                          | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 03                                           | (2)  | 1050 (3445) | 1110 (3642) (2.9%)  | 1050 (3445) | 1050 (3445) |
| 21                                           | (2)  | 1050 (3445) | 1127 (3697) (3.07%) | 1050 (3445) | 1050 (3445) |
| Slope 0.8% down to SW. RWY WID 30 RWS WID 90 |      |             |                     |             |             |
| 09                                           | (2)  | 1189 (3901) | 1249 (4098) (2.1%)  | 1189 (3901) | 1189 (3901) |
| 27                                           | (2)  | 1189 (3901) | 1249 (4098) (2.64%) | 1189 (3901) | 1189 (3901) |
| Slope 0.2% down to W. RWY WID 18 RWS WID 90  |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |  |
|--------|-----------------|-----------------|-----------------|-----------------|--|
| RWY03- | 834(2736)(1.9)  | 931(3054)(2.2)  | 1013(3323)(2.5) |                 |  |
| RWY21- | 826(2710)(2.2)  | 952(3123)(2.5)  |                 |                 |  |
| RWY09- | 1093(3586)(1.6) | 1204(3950)(1.9) |                 |                 |  |
| RWY27- | 1023(3356)(1.6) | 1107(3632)(1.9) | 1166(3825)(2.2) | 1224(4016)(2.5) |  |

WARRNAMBOOL

| RWY                                                                                                                 | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 04                                                                                                                  | (2)  | 1069 (3507) | 1129 (3704) (3.51%) | 1069 (3507) | 1069 (3507) |
| RESA dimensions 60M X 90M commences from RWS end.                                                                   |      |             |                     |             |             |
| 22                                                                                                                  | (2)  | 1069 (3507) | 1129 (3704) (1.55%) | 1069 (3507) | 1069 (3507) |
| RESA dimensions 60M X 90M commences from RWS end.                                                                   |      |             |                     |             |             |
| Slope 0.2% down to SW. RWY WID 23 RWS WID 90                                                                        |      |             |                     |             |             |
| 13                                                                                                                  | (3)  | 1372 (4501) | 1432 (4698) (5.95%) | 1372 (4501) | 1372 (4501) |
| RESA dimensions 80M X 90M commences from RWS end.                                                                   |      |             |                     |             |             |
| Transient OBST 2.6FT ABV and 13.4M SE of RWS end not taken into account in the calculation of TODA, GRAD and STODA. |      |             |                     |             |             |
| 31                                                                                                                  | (3)  | 1372 (4501) | 1432 (4698) (2.81%) | 1372 (4501) | 1372 (4501) |
| RESA dimensions 80M X 90M commences from RWS end.                                                                   |      |             |                     |             |             |
| 1. Approach transitional surface infringed by trees N side approximately 53M from RWS end.                          |      |             |                     |             |             |
| 2. Fence 4FT ABV and 16M NW of RWS end not taken into account in the calculation of TODA, GRAD and STODA.           |      |             |                     |             |             |
| Slope 0.5% down to SE. RWY WID 30 RWS WID 150 Graded 90                                                             |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| RWY04- | 927(3041)(1.9)  | 1021(3350)(2.2) | 1050(3445)(2.5) | 1116(3661)(3.3) |                 |
| RWY13- | 1249(4098)(1.6) | 1295(4249)(1.9) | 1318(4324)(2.2) | 1336(4383)(2.5) | 1371(4498)(3.3) |
|        | 1418(4652)(5.0) |                 |                 |                 |                 |
| RWY31- | 1029(3376)(1.9) | 1213(3980)(2.2) | 1347(4419)(2.5) |                 |                 |

WARWICK

| RWY                                               | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 09                                                | (2)  | 1640 (5381) | 1700 (5577) (5.3%)  | 1640 (5381) | 1640 (5381) |
| RESA dimensions 60M X 60M commences from RWY end. |      |             |                     |             |             |
| 27                                                | (2)  | 1640 (5381) | 1700 (5577) (3.75%) | 1640 (5381) | 1640 (5381) |
| RESA dimensions 60M X 60M commences from RWY end. |      |             |                     |             |             |
| Slope 0.26% down to W. RWY WID 30 RWS WID 90      |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| RWY09- | 1359(4459)(1.6) | 1444(4737)(1.9) | 1503(4931)(2.2) | 1546(5072)(2.5) | 1619(5312)(3.3) |
|        | 1692(5551)(5.0) |                 |                 |                 |                 |
| RWY27- | 1020(3346)(1.6) | 1196(3924)(1.9) | 1330(4363)(2.2) | 1434(4705)(2.5) | 1626(5335)(3.3) |

WEIPA

| RWY                                                     | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 12                                                      | (3)  | 1645 (5397) | 1705 (5594) (1.81%) | 1645 (5397) | 1645 (5397) |
| RESA dimensions 90M X 60M commences from RWS end.       |      |             |                     |             |             |
| 30                                                      | (3)  | 1645 (5397) | 1705 (5594) (3.35%) | 1645 (5397) | 1645 (5397) |
| RESA dimensions 90M X 60M commences from RWS end.       |      |             |                     |             |             |
| 1. RWY 12/30 APCH inner edge length 150M.               |      |             |                     |             |             |
| 2. RWY 12/30 TKOF inner edge length 180M.               |      |             |                     |             |             |
| Slope 0.1% down to NW. RWY WID 30 RWS WID 150 Graded 90 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| RWY12- | 1549(5082)(1.6) |                 |                 |                 |                 |
| RWY30- | 1305(4281)(1.6) | 1433(4701)(1.9) | 1527(5010)(2.2) | 1600(5249)(2.5) | 1701(5581)(3.3) |

WENTWORTH

| RWY                                                                                                    | (CN) | TORA        | TODA                | ASDA        | LDA         |
|--------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 08                                                                                                     | (2)  | 1400 (4593) | 1460 (4790) (3.13%) | 1400 (4593) | 1400 (4593) |
| RESA dimensions 120M X 46M commences from RWS end.                                                     |      |             |                     |             |             |
| 26                                                                                                     | (2)  | 1400 (4593) | 1460 (4790) (1.2%)  | 1400 (4593) | 1400 (4593) |
| RESA dimensions 120M X 46M commences from RWS end.                                                     |      |             |                     |             |             |
| Slope Level. RWY WID 23 RWS WID 140 Graded 80                                                          |      |             |                     |             |             |
| 17                                                                                                     | (1)  | 936 (3071)  | 996 (3268) (3.38%)  | 936 (3071)  | 936 (3071)  |
| 35                                                                                                     | (1)  | 936 (3071)  | 996 (3268) (4.85%)  | 936 (3071)  | 936 (3071)  |
| OBST fence 5FT ABV and 32M N of RWS not taken into account in the calculation of TODA, GRAD and STODA. |      |             |                     |             |             |
| Slope Level. RWY WID 18 RWS WID 80                                                                     |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                |                 |                 |                 |  |
|--------|----------------|-----------------|-----------------|-----------------|--|
| RWY08- | 903(2963)(1.6) | 1135(3724)(1.9) | 1278(4193)(2.2) | 1349(4426)(2.5) |  |
| RWY17- | 891(2923)(2.5) | 993(3258)(3.3)  |                 |                 |  |
| RWY35- | 805(2641)(2.5) | 925(3035)(3.3)  |                 |                 |  |

WEST ANGELAS

| RWY                                                                                                                                                     | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 04                                                                                                                                                      | (3)  | 1840 (6037) | 1900 (6234) (2.83%) | 1840 (6037) | 1840 (6037) |
| RESA dimensions 90M X 60M commences from RWS end.                                                                                                       |      |             |                     |             |             |
| 1. Fence, 2,000M FM RWY 04 SOT, 39M N of extended CL 2,354FT AMSL not taken into account in calculation of TODA gradients.                              |      |             |                     |             |             |
| 2. Fence, 1,939M FM RWY 04 start of TODA, offset 93M L of RWY CL, 9FT AGL, not taken into account in calculation of TODA gradients and STODA distances. |      |             |                     |             |             |
| 22                                                                                                                                                      | (3)  | 1900 (6234) | 1960 (6430) (3.54%) | 1900 (6234) | 1840 (6037) |
| RESA dimensions 90M X 60M commences from RWS end.                                                                                                       |      |             |                     |             |             |
| 1. RWY 22 DTHR 60M.                                                                                                                                     |      |             |                     |             |             |
| 2. Fence 1,967M FM RWY 22 SOT, offset 75.4M R of RWY, 1.5FT AGL, not taken into account in calculation of TODA GRAD and STODA distances.                |      |             |                     |             |             |
| Slope 1.07% down to SW. RWY WID 30 RWS WID 150 Graded 90                                                                                                |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |  |  |  |  |
|--------|-----------------|--|--|--|--|
| RWY22- | 1498(4915)(3.3) |  |  |  |  |
|--------|-----------------|--|--|--|--|

WEST MUSGRAVE

| RWY | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-----|------|-------------|---------------------|-------------|-------------|
| 09  | (3)  | 2100 (6890) | 2160 (7087) (1.78%) | 2100 (6890) | 2100 (6890) |
| 27  | (3)  | 2100 (6890) | 2160 (7087) (1.87%) | 2100 (6890) | 2100 (6890) |

Slope 0.35% down to E. RWY WID 30 RWS WID 280 Graded 90

SUPPLEMENTARY TAKEOFF DISTANCES

RWY09- 2145(7037)(1.6)  
RWY27- 2104(6903)(1.6)

WEST SALE

| RWY | (CN) | TORA       | TODA               | ASDA       | LDA        |
|-----|------|------------|--------------------|------------|------------|
| 05  | (1)  | 500 (1640) | 560 (1837) (1.2%)  | 500 (1640) | 500 (1640) |
| 23  | (1)  | 500 (1640) | 560 (1837) (4.68%) | 500 (1640) | 500 (1640) |

Slope 0.3% down to NE. RWY WID 30 RWS WID 90

|    |     |             |                     |             |             |
|----|-----|-------------|---------------------|-------------|-------------|
| 09 | (3) | 1803 (5915) | 1863 (6112) (2.64%) | 1803 (5915) | 1803 (5915) |
|----|-----|-------------|---------------------|-------------|-------------|

RESA dimensions 90M X 90M commences from RWS end.

|    |     |             |                    |             |             |
|----|-----|-------------|--------------------|-------------|-------------|
| 27 | (3) | 1803 (5915) | 1863 (6112) (2.8%) | 1803 (5915) | 1803 (5915) |
|----|-----|-------------|--------------------|-------------|-------------|

RESA dimensions 90M X 90M commences from RWS end.

Slope 0.1% down to W. RWY WID 30 RWS WID 150 Graded 90

|    |     |            |                    |            |            |
|----|-----|------------|--------------------|------------|------------|
| 14 | (1) | 699 (2293) | 759 (2490) (4.67%) | 699 (2293) | 699 (2293) |
| 32 | (1) | 699 (2293) | 759 (2490) (4.46%) | 699 (2293) | 699 (2293) |

Slope 1.2% down to NW. RWY WID 30 RWS WID 90

SUPPLEMENTARY TAKEOFF DISTANCES

RWY09- 1442(4731)(1.6) 1628(5341)(1.9) 1750(5741)(2.2) 1834(6017)(2.5)  
RWY27- 1203(3947)(1.6) 1451(4760)(1.9) 1633(5358)(2.2) 1767(5797)(2.5)

WEST WYALONG

| RWY | (CN) | TORA       | TODA               | ASDA       | LDA        |
|-----|------|------------|--------------------|------------|------------|
| 04  | (1)  | 780 (2559) | 840 (2756) (3.84%) | 780 (2559) | 780 (2559) |

E RWY 04 transition SFC infringed.

|    |     |            |                    |            |            |
|----|-----|------------|--------------------|------------|------------|
| 22 | (1) | 780 (2559) | 840 (2756) (4.11%) | 780 (2559) | 780 (2559) |
|----|-----|------------|--------------------|------------|------------|

Slope 0.2% down to SW. RWY WID 18 RWS WID 90

|    |     |             |                     |             |             |
|----|-----|-------------|---------------------|-------------|-------------|
| 09 | (3) | 1585 (5200) | 1645 (5397) (3.07%) | 1585 (5200) | 1585 (5200) |
|----|-----|-------------|---------------------|-------------|-------------|

RESA dimensions 30M X 60M commences from RWY end.

|    |     |             |                     |             |             |
|----|-----|-------------|---------------------|-------------|-------------|
| 27 | (3) | 1585 (5200) | 1645 (5397) (4.06%) | 1585 (5200) | 1585 (5200) |
|----|-----|-------------|---------------------|-------------|-------------|

RESA dimensions 40M X 60M commences from RWY end.

Slope 0.3% down to E. RWY WID 30 RWS WID 150

SUPPLEMENTARY TAKEOFF DISTANCES

RWY09- 1277(4190)(1.6) 1393(4570)(1.9) 1506(4941)(2.2) 1584(5197)(2.5)  
RWY27- 861(2825)(1.9) 1102(3615)(2.2) 1232(4042)(2.5) 1520(4987)(3.3)

WHITE CLIFFS

| RWY | (CN) | TORA       | TODA               | ASDA       | LDA        |
|-----|------|------------|--------------------|------------|------------|
| 02  | (2)  | 868 (2848) | 928 (3045) (1.53%) | 868 (2848) | 868 (2848) |
| 20  | (2)  | 868 (2848) | 928 (3045) (1.57%) | 868 (2848) | 868 (2848) |

Slope 0.12% down to SW. RWY WID 30 RWS WID 90 Graded 90

|    |     |             |                     |             |             |
|----|-----|-------------|---------------------|-------------|-------------|
| 12 | (1) | 1079 (3540) | 1139 (3737) (4.21%) | 1079 (3540) | 1079 (3540) |
| 30 | (1) | 1079 (3540) | 1139 (3737) (1.2%)  | 1079 (3540) | 1079 (3540) |

Slope 0.7% down to NW. RWY WID 18 RWS WID 90 Graded 90

SUPPLEMENTARY TAKEOFF DISTANCES

RWY12- 1028(3373)(1.9) 1065(3494)(2.2) 1087(3566)(2.5) 1119(3671)(3.3)

WHYALLA

| RWY                                               | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 05                                                | (3)  | 1500 (4921) | 1708 (5604) (1.82%) | 1500 (4921) | 1500 (4921) |
| RESA dimensions 90M X 60M commences from RWY end. |      |             |                     |             |             |
| 23                                                | (3)  | 1500 (4921) | 1560 (5118) (1.77%) | 1500 (4921) | 1500 (4921) |
| RESA dimensions 90M X 60M commences from RWY end. |      |             |                     |             |             |
| Slope 0.1% down to NE. RWY WID 30 RWS WID 90      |      |             |                     |             |             |
| 17                                                | (3)  | 1686 (5531) | 1747 (5732) (1.65%) | 1686 (5531) | 1686 (5531) |
| RESA dimensions 90M X 60M commences from RWS end. |      |             |                     |             |             |
| 35                                                | (3)  | 1686 (5531) | 1836 (6024) (2.48%) | 1686 (5531) | 1686 (5531) |
| RESA dimensions 90M X 60M commences from RWS end. |      |             |                     |             |             |
| Slope 0.2% down to S. RWY WID 30 RWS WID 150      |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |  |
|--------|-----------------|-----------------|-----------------|--|
| RWY05- | 1674(5492)(1.6) |                 |                 |  |
| RWY23- | 1529(5016)(1.6) |                 |                 |  |
| RWY17- | 1727(5666)(1.6) |                 |                 |  |
| RWY35- | 1707(5600)(1.6) | 1763(5784)(1.9) | 1806(5925)(2.2) |  |

WILCANNIA

| RWY                                                                                                                                                                                   | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 03                                                                                                                                                                                    | (1)  | 931 (3054)  | 991 (3251) (3.63%)  | 931 (3054)  | 931 (3054)  |
| 21                                                                                                                                                                                    | (1)  | 931 (3054)  | 991 (3251) (1.4%)   | 931 (3054)  | 931 (3054)  |
| Instrument surveyed for a Code 2 non-instrument APCH RWY, with 60M CWY at each end and a 90M common APCH and TKOF inner edge length applied for published TODA end GRAD calculations. |      |             |                     |             |             |
| Slope 0.3% down to SW. RWY WID 18 RWS WID 90 Graded 90                                                                                                                                |      |             |                     |             |             |
| 09                                                                                                                                                                                    | (2)  | 1097 (3599) | 1157 (3796) (4.28%) | 1097 (3599) | 1097 (3599) |
| 27                                                                                                                                                                                    | (2)  | 1097 (3599) | 1157 (3796) (4%)    | 1097 (3599) | 1097 (3599) |
| 1. A 90M common APCH and TKOF inner edge length applied for published TODA end GRAD calculations.                                                                                     |      |             |                     |             |             |
| 2. Non-standard U-Bar white markings define the RWY THR at each end.                                                                                                                  |      |             |                     |             |             |
| Slope 0.2% down to W. RWY WID 30 RWS WID 90 Graded 90                                                                                                                                 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| RWY03- | 825(2707)(1.6)  | 877(2877)(1.9)  | 917(3008)(2.2)  | 943(3094)(2.5)  | 952(3123)(3.3)  |
| RWY09- | 1040(3412)(1.6) | 1069(3507)(1.9) | 1091(3579)(2.2) | 1108(3635)(2.5) | 1139(3737)(3.3) |
| RWY27- | 1085(3560)(1.6) | 1101(3612)(1.9) | 1116(3661)(2.2) | 1127(3697)(2.5) | 1147(3763)(3.3) |

**WILLIAMTOWN**

| <b>RWY</b>                                                                                                                                                   | <b>(CN)</b> | <b>TORA</b>  | <b>TODA</b>          | <b>ASDA</b>  | <b>LDA</b>   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------|----------------------|--------------|--------------|
| 12                                                                                                                                                           | (MIL)       | 3058 (10033) | 3118 (10230) (2.2%)  | 3058 (10033) | 3058 (10033) |
| 1. M34B arrestor barrier anchor points at end of CWY, 5FT AGL and 28M outside extended RWY CL, are not considered in the calculation of TODA GRAD and STODA. |             |              |                      |              |              |
| 2. RWY 12 THR location determined by 2.33% APCH GRAD.                                                                                                        |             |              |                      |              |              |
| 3. Critical OBST on take-off, power pole 39FT AGL (43FT AMSL), located 176M (577FT) R of RCL and 312M (1023FT) beyond THR 30.                                |             |              |                      |              |              |
| 4. Critical OBST on landing, tree 64FT AGL (146FT AMSL), located 56M (184FT) L of RCL and 1535M (5,036FT) before THR 12.                                     |             |              |                      |              |              |
| 30                                                                                                                                                           | (MIL)       | 3058 (10033) | 3118 (10230) (2.33%) | 3058 (10033) | 3058 (10033) |
| 1. M34B arrestor barrier anchor points at end of CWY, 5FT AGL and 28M outside extended RWY CL, are not considered in the calculation of TODA GRAD and STODA. |             |              |                      |              |              |
| 2. RWY 30 THR location determined by 2.2% APCH GRAD.                                                                                                         |             |              |                      |              |              |
| 3. Critical OBST on take-off, tree 64FT AGL (146FT AMSL), located 56M (184FT) R of RCL and 1535M (5,036FT) beyond THR 12.                                    |             |              |                      |              |              |
| 4. Critical OBST on landing, power pole 39FT AGL (43FT AMSL), located 176M (577FT) L of RCL and 312M (1023FT) before THR 30.                                 |             |              |                      |              |              |
| Slope 0.13% down to SE. RWY WID 45 RWS WID 280 Graded 150                                                                                                    |             |              |                      |              |              |

**SUPPLEMENTARY TAKEOFF DISTANCES**

RWY12- 3001(9846)(1.6) 3069(10069)(1.9)  
RWY30- 2426(7959)(1.6) 2778(9114)(1.9) 3033(9951)(2.2)

**TAXIWAY INTERSECTION DECLARED DISTANCES**

|        |                   |                          |                               |
|--------|-------------------|--------------------------|-------------------------------|
| RWY12- | TKOF from TWY A3; | RWY remaining 2176(7139) | reduce all DIST by 882(2894)  |
| RWY12- | TKOF from TWY A4; | RWY remaining 2778(9114) | reduce all DIST by 280(919)   |
| RWY12- | TKOF from TWY B;  | RWY remaining 1100(3609) | reduce all DIST by 1958(6424) |
| RWY12- | TKOF from TWY H;  | RWY remaining 1078(3537) | reduce all DIST by 1980(6496) |
| RWY30- | TKOF from TWY A2; | RWY remaining 2717(8914) | reduce all DIST by 341(1119)  |
| RWY30- | TKOF from TWY B;  | RWY remaining 1981(6499) | reduce all DIST by 1077(3533) |
| RWY30- | TKOF from TWY H;  | RWY remaining 1997(6552) | reduce all DIST by 1061(3481) |

**WILUNA**

| <b>RWY</b>                                               | <b>(CN)</b> | <b>TORA</b> | <b>TODA</b>         | <b>ASDA</b> | <b>LDA</b>  |
|----------------------------------------------------------|-------------|-------------|---------------------|-------------|-------------|
| 15                                                       | (3)         | 1811 (5942) | 1871 (6138) (1.2%)  | 1811 (5942) | 1811 (5942) |
| RESA dimensions 90M X 60M commences from RWS end.        |             |             |                     |             |             |
| 33                                                       | (3)         | 1811 (5942) | 1871 (6138) (2.76%) | 1811 (5942) | 1811 (5942) |
| RESA dimensions 90M X 60M commences from RWS end.        |             |             |                     |             |             |
| Slope 0.44% down to SE. RWY WID 30 RWS WID 150 Graded 90 |             |             |                     |             |             |

**SUPPLEMENTARY TAKEOFF DISTANCES**

RWY33- 1721(5646)(1.6) 1784(5853)(1.9) 1824(5984)(2.2) 1852(6076)(2.5)

**WINDARLING**

| <b>RWY</b>                                            | <b>(CN)</b> | <b>TORA</b> | <b>TODA</b>         | <b>ASDA</b> | <b>LDA</b>  |
|-------------------------------------------------------|-------------|-------------|---------------------|-------------|-------------|
| 10                                                    | (3)         | 1850 (6069) | 1910 (6266) (2.71%) | 1850 (6069) | 1850 (6069) |
| RESA dimensions 60M X 60M commences from RWS end.     |             |             |                     |             |             |
| 28                                                    | (3)         | 1850 (6069) | 1910 (6266) (3.23%) | 1850 (6069) | 1850 (6069) |
| RESA dimensions 60M X 60M commences from RWS end.     |             |             |                     |             |             |
| RWY 10/28 APCH and TKOF inner edge length 90M.        |             |             |                     |             |             |
| Slope 0.8% down to W. RWY WID 30 RWS WID 90 Graded 90 |             |             |                     |             |             |

**SUPPLEMENTARY TAKEOFF DISTANCES**

RWY10- 1557(5108)(1.6) 1728(5669)(1.9) 1826(5991)(2.2) 1889(6197)(2.5)  
RWY28- 1856(6089)(1.6) 1878(6161)(1.9) 1888(6194)(2.2) 1895(6217)(2.5)

WINDORAH

| RWY                                                                           | (CN) | TORA        | TODA                | ASDA        | LDA         |
|-------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 04                                                                            | (3)  | 1374 (4508) | 1434 (4705) (2.85%) | 1374 (4508) | 1374 (4508) |
| RESA dimensions 60M X 60M commences from RWY end.                             |      |             |                     |             |             |
| 22                                                                            | (3)  | 1374 (4508) | 1434 (4705) (3.05%) | 1374 (4508) | 1374 (4508) |
| RESA dimensions 60M X 60M commences from RWY end.                             |      |             |                     |             |             |
| Slope FM centre 0.65% down to SW and 0.50% down to NE. RWY WID 30 RWS WID 150 |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|-----------------|
| RWY04- | 1357(4452)(1.6) | 1385(4544)(1.9) | 1405(4610)(2.2) | 1420(4659)(2.5) |
| RWY22- | 1023(3356)(1.6) | 1166(3825)(1.9) | 1272(4173)(2.2) | 1352(4436)(2.5) |

WINTON

| RWY                                                     | (CN) | TORA        | TODA               | ASDA        | LDA         |
|---------------------------------------------------------|------|-------------|--------------------|-------------|-------------|
| 05                                                      | (1)  | 890 (2920)  | 950 (3117) (1.6%)  | 890 (2920)  | 890 (2920)  |
| 23                                                      | (1)  | 890 (2920)  | 950 (3117) (1.6%)  | 890 (2920)  | 890 (2920)  |
| Slope 0.1% down to SW. RWY WID 18 RWS WID 60            |      |             |                    |             |             |
| 14                                                      | (3)  | 1402 (4600) | 1462 (4797) (1.2%) | 1402 (4600) | 1402 (4600) |
| RESA dimensions 60M X 30M commences from RWY end.       |      |             |                    |             |             |
| 32                                                      | (3)  | 1402 (4600) | 1462 (4797) (1.2%) | 1402 (4600) | 1402 (4600) |
| RESA dimensions 60M X 30M commences from RWY end.       |      |             |                    |             |             |
| Slope 0.5% down to SE. RWY WID 30 RWS WID 150 Graded 90 |      |             |                    |             |             |

WOODIE WOODIE

| RWY                                                                            | (CN) | TORA        | TODA               | ASDA        | LDA         |
|--------------------------------------------------------------------------------|------|-------------|--------------------|-------------|-------------|
| 14                                                                             | (3)  | 2000 (6562) | 2060 (6758) (1.2%) | 2000 (6562) | 2000 (6562) |
| RESA dimensions 90M X 60M commences from RWY end.                              |      |             |                    |             |             |
| 32                                                                             | (3)  | 2000 (6562) | 2060 (6758) (1.2%) | 2000 (6562) | 2000 (6562) |
| RESA dimensions 90M X 60M commences from RWY end.                              |      |             |                    |             |             |
| APCH RWY survey areas - RWY 14/32 APCH inner edge 150M.                        |      |             |                    |             |             |
| Slope 430M NW end 1.47% down to SE: centre 1230M 1.07% down to NW: 340M SE end |      |             |                    |             |             |
| 0.68% down to NW. RWY WID 30 RWS WID 150 Graded 90                             |      |             |                    |             |             |

WOOMERA

| RWY                                                                | (CN) | TORA        | TODA             | ASDA        | LDA         |
|--------------------------------------------------------------------|------|-------------|------------------|-------------|-------------|
| 18                                                                 | (3)  | 2372 (7782) | 2672 (8766) (1%) | 2372 (7782) | 2372 (7782) |
| 36                                                                 | (3)  | 2372 (7782) | 2672 (8766) (1%) | 2372 (7782) | 2372 (7782) |
| TKOF/CLIMB SFC Inner Edge WID 230M. Open Swale Drains 45M from CL. |      |             |                  |             |             |
| Slope 0.14% down to N. RWY WID 45 RWS WID 150 Graded 90            |      |             |                  |             |             |

WUDINNA

| RWY                                                                                                                                                                                         | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 07                                                                                                                                                                                          | (2)  | 939 (3081)  | 999 (3278) (3.02%)  | 939 (3081)  | 939 (3081)  |
| 25                                                                                                                                                                                          | (2)  | 939 (3081)  | 999 (3278) (3.11%)  | 939 (3081)  | 939 (3081)  |
| Slope W end 1.3% down to E, 300M E end level. RWY WID 18 RWS WID 90                                                                                                                         |      |             |                     |             |             |
| 14                                                                                                                                                                                          | (3)  | 1510 (4954) | 1570 (5151) (3.78%) | 1510 (4954) | 1510 (4954) |
| RESA dimensions 60M X 60M commences from RWY end.                                                                                                                                           |      |             |                     |             |             |
| 32                                                                                                                                                                                          | (3)  | 1510 (4954) | 1570 (5151) (3.28%) | 1510 (4954) | 1510 (4954) |
| RESA dimensions 60M X 60M commences from RWY end.                                                                                                                                           |      |             |                     |             |             |
| RWY 14/32 OBST - Fence 8.2FT ABV and 55M NW of RWS end not taken into account in the calculation of TODA GRAD and STODA. 3.3% OBST clear APCH SFC LDG RWY 14 terminates at THR not RWS end. |      |             |                     |             |             |
| Slope 0.7% down to SE. RWY WID 30 RWS WID 90                                                                                                                                                |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY07- 850(2789)(1.9) 914(2999)(2.2) 953(3127)(2.5)  
RWY14- 1315(4314)(1.6) 1417(4649)(1.9) 1462(4797)(2.2) 1489(4885)(2.5) 1548(5079)(3.3)  
RWY32- 996(3268)(1.9) 1221(4006)(2.2) 1366(4482)(2.5)

WYCHEPROOF

| RWY                                                                                                        | (CN) | TORA        | TODA                | ASDA        | LDA         |
|------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 08                                                                                                         | (1)  | 718 (2356)  | 778 (2552) (1.79%)  | 718 (2356)  | 718 (2356)  |
| 26                                                                                                         | (1)  | 718 (2356)  | 778 (2552) (3.46%)  | 718 (2356)  | 718 (2356)  |
| Slope Level. RWY WID 30 RWS WID 90                                                                         |      |             |                     |             |             |
| 17                                                                                                         | (2)  | 1032 (3386) | 1092 (3583) (1.66%) | 1032 (3386) | 1032 (3386) |
| Fence 2.6FT ABV and 30M S of RWS end, is not taken into account in the calculation of TODA GRAD and STODA. |      |             |                     |             |             |
| 35                                                                                                         | (2)  | 1032 (3386) | 1092 (3583) (3.25%) | 1032 (3386) | 1032 (3386) |
| Slope 0.1% down to N. RWY WID 30 RWS WID 90                                                                |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY17- 1056(3465)(1.6)  
RWY35- 870(2854)(1.9) 945(3100)(2.2) 1000(3281)(2.5)

WYNDHAM

| RWY                                   | (CN) | TORA        | TODA                | ASDA        | LDA         |
|---------------------------------------|------|-------------|---------------------|-------------|-------------|
| 12                                    | (2)  | 1607 (5272) | 1667 (5469) (3.31%) | 1607 (5272) | 1607 (5272) |
| 30                                    | (2)  | 1607 (5272) | 1667 (5469) (4.02%) | 1607 (5272) | 1607 (5272) |
| RWY 12/30 APCH inner edge length 90M. |      |             |                     |             |             |
| Slope Level. RWY WID 18 RWS WID 90    |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY12- 884(2900)(1.6) 1123(3684)(1.9) 1297(4255)(2.2) 1429(4688)(2.5) 1664(5459)(3.3)  
RWY30- 1430(4692)(1.6) 1509(4951)(1.9) 1561(5121)(2.2) 1589(5213)(2.5) 1639(5377)(3.3)

WYNYARD

| RWY                                                                                                | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 05                                                                                                 | (1)  | 827 (2713)  | 857 (2812) (3.5%)   | 827 (2713)  | 777 (2549)  |
| 1. Fence 7.2FT ABV and 7M NE of RWS end is not taken into account in the calculation of TODA GRAD. |      |             |                     |             |             |
| 2. RWY 05 DTHR 50M.                                                                                |      |             |                     |             |             |
| 23                                                                                                 | (1)  | 827 (2713)  | 857 (2812) (5.4%)   | 827 (2713)  | 767 (2516)  |
| 1. RWY 05/23 approach and side transitions infringed.                                              |      |             |                     |             |             |
| 2. RWY 23 DTHR 60M.                                                                                |      |             |                     |             |             |
| Slope 1% down to NE. RWY WID 18 RWS WID 60                                                         |      |             |                     |             |             |
| 09                                                                                                 | (3)  | 1650 (5413) | 1710 (5610) (2.42%) | 1650 (5413) | 1650 (5413) |
| 27                                                                                                 | (3)  | 1650 (5413) | 1710 (5610) (2.77%) | 1650 (5413) | 1650 (5413) |
| Slope 0.6% down to E. RWY WID 30 RWS WID 150                                                       |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

|        |                 |                 |                 |
|--------|-----------------|-----------------|-----------------|
| RWY05- | 849(2785)(3.3)  |                 |                 |
| RWY09- | 1385(4544)(1.6) | 1533(5029)(1.9) | 1643(5390)(2.2) |
| RWY27- | 1195(3921)(2.2) | 1508(4947)(2.5) |                 |



YARRAM

| RWY                                          | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 05                                           | (1)  | 1090 (3576) | 1150 (3773) (4.44%) | 1090 (3576) | 1090 (3576) |
| 23                                           | (1)  | 1090 (3576) | 1150 (3773) (1.22%) | 1090 (3576) | 1090 (3576) |
| Slope 0.4% down to SW. RWY WID 18 RWS WID 60 |      |             |                     |             |             |
| 09                                           | (1)  | 756 (2480)  | 816 (2677) (1.95%)  | 756 (2480)  | 756 (2480)  |
| 27                                           | (1)  | 756 (2480)  | 816 (2677) (1.23%)  | 756 (2480)  | 756 (2480)  |
| Slope 0.2% down to W. RWY WID 23 RWS WID 80  |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY05- 854(2802)(2.5) 1016(3333)(3.3)

YARRAWONGA

| RWY                                                                                                                                                                                                                      | (CN) | TORA        | TODA                | ASDA        | LDA         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 01                                                                                                                                                                                                                       | (2)  | 1143 (3750) | 1203 (3947) (3.41%) | 1143 (3750) | 1143 (3750) |
| Transient OBST 13.3FT ABV and 37M N of RWS end, and transient OBST, mobile sprinkler, 24.6FT high operates along the takeoff area, are not taken into account in calculating TODA GRAD and STODA, or in locating 19 THR. |      |             |                     |             |             |
| 19                                                                                                                                                                                                                       | (2)  | 1203 (3947) | 1263 (4144) (3.16%) | 1203 (3947) | 1125 (3691) |
| RWY 19 DTHR 18M.                                                                                                                                                                                                         |      |             |                     |             |             |
| Slope Level. RWY WID 18 RWS WID 90                                                                                                                                                                                       |      |             |                     |             |             |
| 05                                                                                                                                                                                                                       | (1)  | 446 (1463)  | 476 (1562) (4.36%)  | 446 (1463)  | 446 (1463)  |
| 23                                                                                                                                                                                                                       | (1)  | 446 (1463)  | 476 (1562) (6.33%)  | 446 (1463)  | 446 (1463)  |
| Slope 0.1% down to SW. RWY WID 18 RWS WID 60                                                                                                                                                                             |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY01- 1018(3340)(1.6) 1095(3592)(1.9) 1127(3697)(2.2) 1151(3776)(2.5) 1198(3930)(3.3)  
RWY19- 859(2818)(2.2) 1019(3343)(2.5)

YORKE ISLAND

| RWY                                                                    | (CN) | TORA        | TODA               | ASDA        | LDA        |
|------------------------------------------------------------------------|------|-------------|--------------------|-------------|------------|
| 12                                                                     | (1)  | 1000 (3281) | 1000 (3281) (1.6%) | 1000 (3281) | 940 (3084) |
| 1. RWY 12 DTHR 60M.                                                    |      |             |                    |             |            |
| 2. RWY 12 SOT commences at RWS end - ASDA ends at RWS.                 |      |             |                    |             |            |
| 3. Fence 1003M FM RWY 12 SOT, 5FT AGL.                                 |      |             |                    |             |            |
| 30                                                                     | (1)  | 1000 (3281) | 1000 (3281) (1.6%) | 1000 (3281) | 940 (3084) |
| 1. RWY 30 DTHR 60M.                                                    |      |             |                    |             |            |
| 2. RWY 30 SOT commences at RWS end - ASDA ends at RWS.                 |      |             |                    |             |            |
| 3. Fence 1003M FM RWY 30 SOT, 5FT AGL.                                 |      |             |                    |             |            |
| 4. RWY 12/30 transitional SFC infringed by trees on both sides of RWY. |      |             |                    |             |            |
| Slope Level. RWY WID 18 RWS WID 60                                     |      |             |                    |             |            |

YOUNG

| RWY                                                                                                            | (CN) | TORA        | TODA                | ASDA        | LDA         |
|----------------------------------------------------------------------------------------------------------------|------|-------------|---------------------|-------------|-------------|
| 01                                                                                                             | (2)  | 1220 (4003) | 1280 (4199) (2.51%) | 1220 (4003) | 1220 (4003) |
| 19                                                                                                             | (2)  | 1220 (4003) | 1280 (4199) (2.58%) | 1220 (4003) | 1220 (4003) |
| 1. OBST fence 4FT ABV and 16M S of RWS end has not been taken into account in calculating TODA GRAD and STODA. |      |             |                     |             |             |
| 2. Transient OBST, vehicles, MAX height 5M, not accounted for in locating THR RWY 19.                          |      |             |                     |             |             |
| Slope 0.4% down to N. RWY WID 18 RWS WID 90                                                                    |      |             |                     |             |             |

SUPPLEMENTARY TAKEOFF DISTANCES

RWY01- 918(3012)(1.6) 1138(3734)(1.9) 1208(3963)(2.2) 1279(4196)(2.5)  
RWY19- 1038(3405)(2.2) 1243(4078)(2.5)

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