

TOWNSVILLE/Townsville INTL**ELEV 18****AVFAX CODE 4402**

QLD

UTC +10

YBTL

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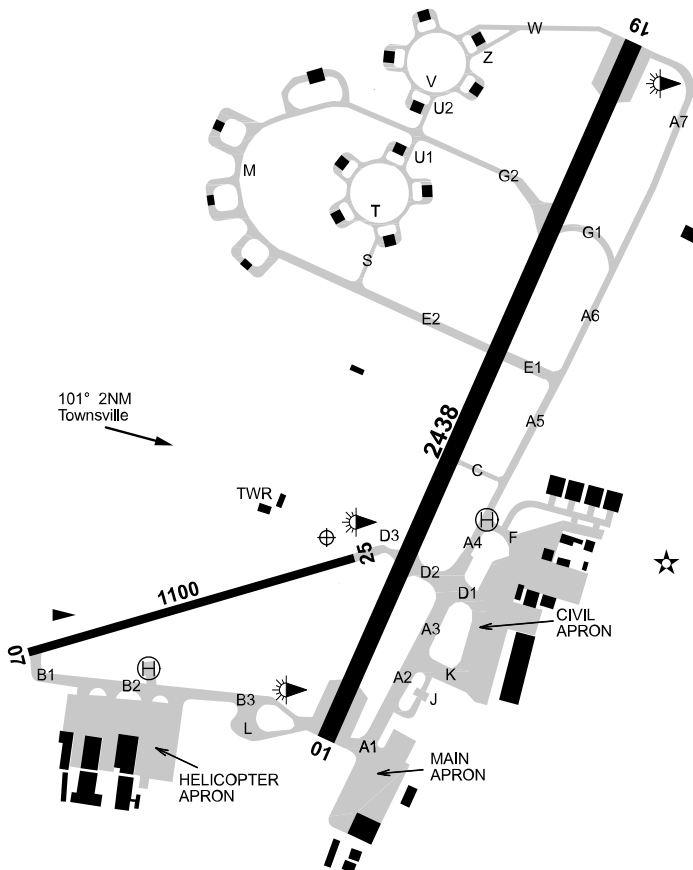
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JOINT

AD OPR RAAF, Garbutt/Townsville Airport Pty Ltd, PO Box 7636, Garbutt, Townsville, QLD, 4814.

PH 07 4727 3211. ARO 0418 771 999: AH (1230-1900) 0417 723 692. Fax 07 4779 1843.

**REMARKS**

1. Conditions of Use apply to Townsville International Airport, copies of which can be obtained from Townsville Airport Pty. Ltd.
2. ATS HR D 2000-1200. CTAF PROC apply AH. AH ATS AVBL SUBJ staffing. Require 48HR PN for approval. Email: 452SQNTVLFLT.OPS@defence.gov.au.
3. This AD is a Security Controlled Airport.
4. AD charges apply - refer www.townsvilleairport.com.au/regulatory/airport-charges/

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: W 2130-0730, SAT & SUN 2200-0800. Phone (Office) 07 4779 4346, For fuel H24 0412 777 160, VHF 126.4 Callsign "AIR BP". AVGAS, JET A1, O117, O125, O156. AVGAS BP Carnet bowser. EFTPOS & BP Carnet.

CALTEX/SHELL: W 1830-0930, SAT 1845-0800, SUN 1845-0830, AH 60 MIN PN.
Phone 07 4779 2109 (Office), Fax 4725 2660, 0407 167 346 (All fuel orders). JET A1, Carnet.

Military

Duty Crew and 27 Squadron Air Movements Townsville AVBL MON-THU 2130-0630, FRI 2130-0400 excluding PH. CTC 361.6 MHZ.

All unscheduled movements require 48HR PN stating OPR and technical requirements.

Air Base Command Post PH: 07 4752 1888, MOB: 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.
3. Water Rescue Service AVBL.

APRONS AND TAXIWAYS

Civilian Aircraft Apron Pavement Ratings (CIV ACFT Pavements)

- Concrete Apron: PCN 58/R/D/1750/U
- Asphalt Apron: PCN 55/F/D/1400/T
- Light ACFT Apron: PCN 6/F/D/850/T.

SURFACE MOVEMENT GUIDANCE

1. RWY 01/19 Distance-to-run markers installed.
2. RWY 07 300M and 600M to RWY end markers installed LHS of RWY.

AERODROME OBSTACLES

1. Lit MAST 669FT AHD BRG 212 DEG MAG 2NM FM ARP. TACAN NAV AID. Infringes HZS.
2. Lit MAST 492FT AHD BRG 77 DEG MAG 1.9NM FM ARP. COMMS TWR. Infringes HZS.
3. Lit MAST 980FT AHD BRG 92 DEG MAG 2.1NM FM ARP. COMMS TWR. Infringes HZS.
4. Unlit MAST 101FT AHD BRG 81 DEG MAG 0.35NM FM ARP. FLOOD LGT. Infringes TZS.
5. Lit BLDG 198M S of THR RWY 01 and 200M E of RCL infringes TNS by 28FT.
6. Lit MAST 308M N of THR RWY 01 and 152M W of RCL infringes TNS by 27FT.
7. Lit BLDG 60M N of THR RWY 19 and 142M W of RCL infringes RWS and TNS by 10FT.
8. Lit WDI 89M S of THR RWY 19 and 162M E of RCL infringes TNS by 15FT.

METEOROLOGICAL INFORMATION PROVIDED

1. TAF CAT A, METAR/SPECI, TTF AVBL during MO HRS, AD WRNG, WS WRNG.
2. AWIS PH 07 3007 4192 - Report faults to AD OPR.
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 3229 1854.

PHYSICAL CHARACTERISTICS

01/19 017 80a PCN 71 /F /C /1750 (254PSI) /T Grooved. N WID 45 RWS 300
and S ends concrete ungrooved.

07/25 067 36a PCN 20 /F /C /1050 (152PSI) /U Asphalt. WID 30 RWS 90

1. CWY RWY 01/19 202 x 150.
2. Recessed bi-directional BAK 12/14 Hookcables INSTL 445M (1,460FT) FM THR RWY 01/19. Marked by dayglo orange disks. DIST BTN Cables 1,540M (5,080FT). NML OPR PSN: Arrestable ACFT OPR - DEP end up, APCH end - down; Non-arrestable ACFT OPR or DRG CTAF 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.
3. Arresting system status will not be provided by ATC when in normal operating PSN.

AERODROME AND APPROACH LIGHTING

RWY 01/19	MIRL(1)	PAL+AFRU 118.3		SDBY PWR AVBL
RWY 01/19	PTBL(3)			
RWY 01	PAPI(1)	PAL+AFRU 118.3	3.0 DEG49FT	SDBY PWR AVBL
RWY 01	SALS(1)	PAL+AFRU 118.3		SDBY PWR AVBL
RWY 19	PAPI(1)	PAL+AFRU 118.3	3.3 DEG49FT	SDBY PWR AVBL
RWY 07/25	PTBL(2)			

- (1) PAL + AFRU requires three one-second pulses to activate. (See INTRO para 23.5)
- (2) AVBL EMERG only
- (3) 30 MIN PN
 1. PTBL LGT - Emergency flare path AVBL H24, laid by ARFFS.
 2. PAPI RWY 19 should not be used beyond 5NM FM THR as it does not provide CLR over Magnetic Island.
 3. RWY 01 PAPI AZM restricted to 8DEG either side of CL.
 4. PAL + AFRU AVBL outside ATS HR. REQ for LGT can also be made THRU Brisbane ATC 120.55. Expect a 10MIN DLA.
 5. RWY 01 and RWY 19 RTILs activated when THR displaced during daylight hours only. RTILs located on both sides of RWY at 574M FM permanent THR position.

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: 1 SEC during LVP: 15 SEC OT.

ATS COMMUNICATIONS FACILITIES

- | | | | |
|---------|---------------------------------|-----|---|
| FIA | BRISBANE CENTRE | | 120.55 On Ground (Outside TWR HR) |
| ACD | TOWNSVILLE DELIVERY | (5) | 128.1 236.1 |
| ATIS | TOWNSVILLE ATIS | (3) | 114.1 276 133.5 |
| VOLMET | AUSTRALIA | (1) | 6676 11387 |
| SMCV | TOWNSVILLE GROUND
(VEHICLES) | | 119.45 |
| APP/DEP | TOWNSVILLE APPROACH | (2) | 126.8P 134.1S 243.0 276.0 (6) 282.4S 307.8P
335.8S |
| TWR | TOWNSVILLE TOWER | (4) | 118.3 243.0 257.8 276 (6) |
| SMC | TOWNSVILLE GROUND
(ACFT) | (4) | 121.8 264.6 |
- (1) H24, BCST 00 - 05 & 30 - 35. Contents TTF YMML, YSSY, YBBN, YPPH, YPDN, YBCS, YBTL & YPAD, plus selected SIGMETs if time permits.
 - (2) FIS AVBL in Class G within 36NM TL during ATS HR.
 - (3) ATIS available on phone 07 3007 4192.
 - (4) Visiting military and general aviation ACFT will not be advised of SMC or TWR frequencies. Departing ACFT shall CTC SMC after receiving AWY CLR and CTC TWR approaching the holding point. Arriving ACFT shall CTC SMC after vacating the RWY. ACFT requiring taxi guidance can request this from SMC.
 - (5) All departing ACFT and arriving VFR ACFT shall CTC Townsville ACD on 128.1/236.1 to pass FLT details and obtain SSR code and AWY CLR.
 - (6) 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

- | | | | | | |
|-----|-----|-----------------------|-----------|--|--------|
| ILS | ITL | 109.3 (RWY01) | S 19 14.1 | E 146 46.5 | |
| LOC | ITL | 109.3 (RWY01) | S 19 14.1 | E 146 46.5 | (5) |
| GP | ITL | 332 (RWY01) | S 19 15.3 | E 146 45.9 | (5) |
| OM | ITL | 75 (RWY01) | S 19 19.9 | E 146 43.8 | (5) |
| MM | ITL | 75 (RWY01) | S 19 16.3 | E 146 45.5 | (5) |
| DME | ITL | 109.3/ 30X
(RWY01) | S 19 15.3 | E 146 45.9 | (6)(7) |
| VOR | TL | 114.1 | S 19 14.7 | E 146 45.5 | (1) |
| DME | TL | 114.1/ 88X | S 19 14.7 | E 146 45.5 | (2) |
| NDB | TVL | 276 | S 19 14.8 | E 146 45.7 | (3) |
| | | | | Range 150 (HN 75) OW 170
(OW HN110) | |
| TAC | TVL | 113.5/ 82X | S 19 16.7 | E 146 44.6 | (4) |

- (1) 133/0.6
- (2) 134/0.6 - Antennae height 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) 040/2.2 - 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: SIDs, ILS/DME, LOC/DME or VOR/DME approaches. Pilot MNT outside ATS HR.
- (5) Pilot MNT outside ATS HR.
- (6) Antenna ELEV 30FT.
- (7) Poor coverage below 5500FT LTD by terrain shielding beyond 12DEG N and beyond 22DEG S of RWY centreline.

LOCAL TRAFFIC REGULATIONS

1. LOCAL TRAFFIC

- 1.1 AWK. All AWK including SVY within 36NM must contact ATC for approval and slot time prior to requesting CLR.
- 1.2 **Training Flights** - All training ACFT (including circuit area and AWK within 36NM) must CTC ATC for approval and slot time prior to requesting CLR. CTC 07 4752 1205.
- 1.3 **Training Airspace**
 - a. **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 CCT direction is as follows:
 - (i) **RWY 01** - Left Hand CCTS, avoiding Cape Pallarenda built up areas;
 - (ii) **RWY 07** - Left Hand CCTS;
 - (iii) **RWY 19** - Right Hand CCTS, avoiding Cape Pallarenda built up areas; and
 - (iv) **RWY 25** - Right Hand CCTS
- 1.4 **TL North Eastern Training Area (NETA).** The TL NETA is an IFR training area, defined as TL 025-080 VOR radials, 10-30DME.
- 1.5 **Town Common.** The Townsville Town Common is defined as an area bounded by the Western airfield boundary fence to the east, the coastline to the north, the Bohle River to the west and Ingham Road to the south.
- 1.6 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.
- 1.7 **Nil Transponder Aircraft.**
 - a. All Nil Transponder ACFT must CTC ATC for approval. CTC 07 4752 1207.
 - b. Expect clearance between 2100-2200Z ONLY.

2. TAXIWAYS AND APRONS

2.1 General

- a. Wide bodied ACFT LDG RWY 01 require to roll through and turn on northern end, then back-track to TWY D2 or A1. Wide-body ACFT restricted to:
 - (i) TWY D2;
 - (ii) TWY A1, A2, A3; and
 - (iii) TWY K.

2.2 Civil Restrictions

- a. TWY A N of TWY D not AVBL to ACFT with wingspan greater than 36M or wheel base greater than 18M.
- b. TWY B not AVBL to ACFT with wingspan greater than 36M or wheel base greater than 18M.
- c. TWY D 1 not AVBL to ACFT with wingspan greater than 36M.
- d. TWY E 1 not AVBL to ACFT with wingspan greater than 29M.
- e. TWY F not AVBL to ACFT with wingspan greater than 24M.
- f. TWY G 1 not AVBL to ACFT with wingspan greater than 36M or wheel base greater than 18M.
- g. TWY C not AVBL to ACFT larger than 5,700KG.
- h. TWY J not AVBL EXC as directed by ATC.
- i. TWY L not AVBL to ACFT with wingspan greater than 36M or wheel base greater than 18M.

2.3 **Military Restrictions**

- a. TWY Bravo west of TWY Lima limited to no larger than C130/P3.
- b. TWY Echo 2 limited to no larger than C130/P3.
- c. TWYs Sierra, Tango, Uniform, Victor, Whiskey and Zulu limited to fast jets no larger than F18F/G.
- d. TWY A north of TWY D not AVBL with wingspan greater than 36M or wheel base greater than 18M.

2.4 **Parking**

a. **Civil Terminal**

- (i) B747 and B777 series ACFT: Parking only AVBL as power-in/power-out on Bay 1C. This position is parallel to the Terminal Building - aerobridge not AVBL due no tug AVBL.
- (ii) ACFT using position 1C, concrete apron, are to taxi via TWY K.
- (iii) PRKG restrictions - Due to critical shortage of apron space, all non-RPT ACFT ABV 5,700KG must obtain prior parking approval, MNM 48HR PN from ARO phone 0418 771 999, fax 07 4779 1843.
- (iv) All charter/itinerant ACFT (fixed and rotary wing) PRKG requests must be made by submitting an Itinerant Aircraft Parking Request Form at least 48 HR prior (business days only) and forwarded via email to aviation@tsvairport.com.au for approval. Copies of the form can be obtained by visiting: <http://www.townsvilleairport.com.au/regulatory/compliance-and-safety/>. For assistance please call Townsville Airport ARO, PH 0418 771 999.

b. **Visual Docking System**

Visual Docking System - Bay 1, 2, 3 and 4 - Combined azimuth and stopping nose in guidance system.

c. **General Aviation**

- (i) Parking for itinerant ACFT BLW 5,700KG not permitted on leased parking positions. Leased parking positions identified by ACFT registration painted on parking positions.
- (ii) Itinerant helicopter parking PPR from ARO phone 0418 771 999, fax 07 4779 1843.

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. **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 remain visually clear of R768A and R768B.

3. **ARRIVALS**

a. **General**

- (i) Visual approaches to RWY 01 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, remain west of the Ross River from WPT RRDM or remain visually clear of R768A and R768B.

b. **Military**

- (i) MNM ALT for initial and pitch 2,500FT at initial, DES 1,500FT for pitch, unless directed by ATC. MAX speed on initial 350KT, unless higher speed operationally required. CCT HGT 1,500FT.

4. **PALM ISLAND TFC IN VMC - ACFT BLW 5,000KG MTOW:**

- a. Cordelia Clearance is: all ACFT TR YBTL - east of radar site (RDRS) - east of Cordelia rocks - YPAM or YPAM - east of Cordelia rocks - east of RDRS - YBTL, level as cleared by ATC.
- b. Rattlesnake Clearance is: all ACFT TR YBTL - mouth of the Bohle River (MBHR) - west of Rattlesnake Island (RKI) - YPAM or YPAM - west of RKI - MBHR - YBTL, level as cleared by ATC.

- c. When RWY 01 and RWY 07 in use at Townsville:
 - (i) Departures: Expect Cordelia Clearance.
 - (ii) Arrivals: Expect Rattlesnake Clearance.
- d. When RWY 19 and/or RWY 25 in use at Townsville:
 - (i) Departures: Expect Rattlesnake Clearance.
 - (ii) Arrivals: Expect Cordelia Clearance.
5. For all ACFT ABV 5,000KG MTOW - Expect tracking as per para 3 at hemispherical levels. When R747 or R748 ACT expect AMD RTE CLR in accordance with ATC RQMNTS, ATC will advise when DCT tracking AVBL.
6. **TRACKING INSTRUCTIONS FOR VFR ACFT TO AND FM TOWNSVILLE WHEN R736, R739, R750, R751 and R752 ACT**
 - a. R750 (D 2100-1200, OT NOTAM) - TR N of Herveys Range Developmental Road.
 - b. R736 and R739 only - TR S of Greenvale to YBU railway line.
 - c. R751 and/or R752 - TR N of Herveys Range Developmental Road.
 - d. 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.
 - e. Visual NAV LGT LCA at Paynes Lagoon (S19 27.5 E146 03.3) and Speed Creek (S19 28.4 E146 20.5).
7. **TRACKING INSTRUCTIONS FOR ACFT OPR D764**
 - Outbound, all ACFT expect BLUEWATER clearance.
 - a. All ACFT to TR YBTL - to intercept the Rollingstone VFR Route (RGSV) WI 5NM YBTL and then TR RGSV (CTA and OCTA not ABV cleared LVL) until abeam Toolakea, thence operate WI the lateral confines of D764 (CTA and D764) not ABV cleared LVL.
 - b. 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. **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

1. CTAF procedures apply outside TWR HR.
2. Critical Area not protected due WDI.

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 flight 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. MIL ACFT may conduct OPS within 50NM of Townsville using Light Enhancement Devices & 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.
3. RAAF Townsville Demolition Range S19 14 54.2 E146 45 08 (261/0.74 NM FM Townsville ARP). Vertical Limit 1,600FT AGL WI 370M radius laterally. Check NOTAM for activation.
4. Weather balloon launch APRX 2315 FM 470M NNE ARP. Launches may occur at other times.

CHARTS RELATED TO THE AERODROME

1. WAC 3219.
 2. Aerodrome Obstruction Chart Type A: 11th Edition FEB 2010.
 3. MIL AD Obstruction Chart Type A: RWY 01/19 and RWY 07/25 JUN 2017.
 4. Also refer to AIP Departure & Approach Procedures.
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