



Off Air Routes Planning (OARP)

Manual

ATS-MAN-0080

Version 58

Effective 28 November 2024

Prepared: OARP Subject Matter Expert

Approved: Director Operations - Enroute Services South
Director Operations - High Density Services North
Director Operations - Long Haul Services North

Change Summary

| Off Air Routes Planning (OARP) Manual Version 58: Effective 28 November 2024 | | |
|---|---|-------|
| Clause Number | Change Description | CRC |
| 1.2 | Clarification that waypoints used in the construction of UPRs must be enroute waypoints | 38332 |
| 2.6.3 & Appendix E | Waypoint YLLE replaced by ELMOL | |
| 3.3.3 & 3.4.3 | RA R637 replaced by MOA M640 | |
| 3.7.2 & Appendix L | Waypoint RIKAB replaced by ATNAR Waypoint BLACK replaced by KAKLU | |
| 3.8 | FPRE added for YPPH arrivals and departures via air route T12 to permit planning through MOAs which replaced previous RA2s. Subsequent YPPH FPREs renumbered | |
| Appendix K | Fixed spelling of waypoint ECKHO in diagram | |

This document was created using Generic Document Template C-TEMP0047 Version 11.

Table of Contents

| | | |
|-------------------|--|-----------|
| 1 | User Preferred Routes..... | 5 |
| 1.1 | Aircraft Equipment Requirements..... | 5 |
| 1.2 | Flight Planning Requirements | 5 |
| 2 | UPR Exclusion Zones..... | 9 |
| 2.1 | General | 9 |
| 2.2 | North Queensland..... | 9 |
| 2.3 | Brisbane Area | 10 |
| 2.4 | Sydney Area | 10 |
| 2.5 | Melbourne Area | 11 |
| 2.6 | Adelaide Area | 11 |
| 2.7 | Perth Area..... | 12 |
| 3 | Gates and Routes for Departures/Arrivals..... | 13 |
| 3.1 | General | 13 |
| 3.2 | YBCS (Cairns) | 13 |
| 3.3 | YBBN (Brisbane) | 14 |
| 3.4 | YBCG (Gold Coast) | 16 |
| 3.5 | YSSY (Sydney)..... | 18 |
| 3.6 | YMML (Melbourne)..... | 20 |
| 3.7 | YPAD (Adelaide)..... | 21 |
| 3.8 | YPPH (Perth) | 22 |
| 4 | Contacts & Change Process | 25 |
| 4.1 | Contacts for Assistance | 25 |
| 4.2 | Change Process | 25 |
| Appendix A | UPR Exclusion Zone – North Queensland | 27 |
| Appendix B | UPR Exclusion Zone – Brisbane Area | 29 |
| Appendix C | UPR Exclusion Zone – Sydney Area | 31 |
| Appendix D | UPR Exclusion Zone – Melbourne Area | 33 |
| Appendix E | UPR Exclusion Zone – Adelaide Area | 35 |
| Appendix F | UPR Exclusion Zone – Perth Area | 37 |
| Appendix G | UPR Gates – YBCS (Cairns) | 39 |
| Appendix H | UPR Gates – YBBN (Brisbane)..... | 41 |
| Appendix I | UPR Gates – YBCG (Gold Coast)..... | 43 |
| Appendix J | UPR Gates – YSSY (Sydney) | 45 |
| Appendix K | UPR Gates – YMML (Melbourne)..... | 47 |
| Appendix L | UPR Gates – YPAD (Adelaide)..... | 49 |
| Appendix M | UPR Gates – YPPH (Perth)..... | 51 |

This page is intentionally blank

1 User Preferred Routes

This manual provides aircraft operators with the requirements for planning User Preferred Routes (UPRs). Aircraft operators may use a combination of published ATS routes and UPR segments, however requirements in this manual must be adhered to in toto.

Appendices are provided at the back of this manual and are referred to throughout to assist operators by providing a visual representation of more complex flight planning requirements.

1.1 Aircraft Equipment Requirements

Aircraft operating on UPRs must have the following equipment and navigation approvals:

| Within CTA Airspace | Within OCA Airspace |
|---|---|
| <ul style="list-style-type: none"> a) INS/IRS; b) GNSS; c) RVSM Approved; d) ADS-B; and e) At least one of the following navigation approvals: <ul style="list-style-type: none"> i) RNP2; ii) RNP4; or iii) RNP10/RNAV10. | <ul style="list-style-type: none"> a) INS/IRS; b) GNSS; c) RVSM Approved; d) ADS-B; e) At least one of the following navigation approvals: <ul style="list-style-type: none"> i) RNP4; or ii) RNP10/RNAV10; and f) HF Radio. |

1.2 Flight Planning Requirements

UPRs must be constructed to comply with the following requirements:

| Regarding | UPR Requirements |
|-----------|---|
| Airspace | <ul style="list-style-type: none"> a) UPR segments must remain within Class A airspace and are permitted in all Australian Administered Airspace which includes: <ul style="list-style-type: none"> i) YMMM (Melbourne) FIR; ii) YBBB (Brisbane) FIR; iii) AGGG (Honiara) FIR; and iv) ANAU (Nauru) FIR. b) UPRs must use published routes or approved direct route segments when transiting an active UPR Exclusion Zone defined in Part 2. |

| Regarding | UPR Requirements |
|--|---|
| Waypoints | <p>a) UPRs must be constructed using any combination of:</p> <ul style="list-style-type: none"> i) Published enroute waypoints; ii) Nav aids; and iii) Latitude/longitude coordinates in either whole degrees or degrees and minutes (e.g. 29S135E or 2900S13514E); <p>b) UPR segments must commence/terminate:</p> <ul style="list-style-type: none"> i) At any reporting point either on the boundary of <u>or</u> outside of an active UPR exclusion zone; except that ii) Flights departing/arriving an Australian Port, must use one of the departure/arrival gates and routes detailed in Part 3; <p>c) UPRs must include a reporting point located on <u>or</u> within 1NM of the FIR boundary between:</p> <ul style="list-style-type: none"> i) YMMM and YBBB FIRs on or west of 119°E; ii) YMMM and YBBB FIRs on or south of 36°S; and iii) An Australian Administered FIR and a foreign FIR; and <p>d) Time intervals between reporting points must not exceed 80 minutes.</p> |
| Exit / Re-Entry Flights | UPRs which hemstitch (exit and re-enter) between the YMMM and YBBB FIRs must not re-enter the same FIR for at least 30 minutes except within 45NM SY. |
| Proximity to Prohibited, Restricted, Danger (PRD) & Military Operating Areas (MOA) | <p>UPRs must remain clear of active PRD and MOA in accordance with AIP. To remain laterally clear of active areas, UPRs must be constructed at least:</p> <ul style="list-style-type: none"> a) 5NM in CTA; and b) 16NM in OCA; <p>away from the area.</p> |
| Indian Ocean | <ul style="list-style-type: none"> a) UPRs between Asia and Africa must remain on or south of air route R348; b) UPRs not entering/exiting WIIF FIR must remain on or south of air route N509 between ELATI and MALBI; c) UPRs via SABEK must remain on or south of a line SABEK BEBOG; d) UPRs via LAMOB may only be planned southbound; and e) UPRs crossing the FIR boundary between YMMM and VRMF/VCCF/WIIF FIRs must plan via a published waypoint other than TEROS. |
| North Australia | UPRs crossing the FIR boundary between YBBB and WAAF FIRs must plan via a published waypoint. |

| Regarding | UPR Requirements |
|------------------------|---|
| Tasman Sea | <p>a) UPRs must not be created in the opposite direction against ATS one-way routes:</p> <ul style="list-style-type: none"> i) N774 between OLREL and AKALU; and ii) L521 between GEROS and LEGAN; and <p>b) UPRs crossing ATS route N774 and/or L521 must plan to do so only once.</p> |
| Great Australian Bight | <p>a) UPRs must not be created in the opposite direction against ATS one-way routes:</p> <ul style="list-style-type: none"> i) Q32 between KAMBI and SUPAS; ii) Y135 between AKRUN and TUTNO; iii) Q33 between LONLY and LUCRE; iv) Q158 between KROWS and CRICK; and v) Y53 between VIMUS and BUNGY; <p>b) Eastbound UPRs crossing ATS route Y53 between VIMUS and BUNGY must plan to do so at a published waypoint; and</p> <p>c) Westbound UPRs crossing ATS route Q158 between KROWS and CRICK must plan to do so at a published waypoint.</p> |

This page is intentionally blank

2 UPR Exclusion Zones

2.1 General

Due to the high density of air traffic in some parts of Australian Administered Airspace, UPR exclusion zones have been defined in these areas. UPR exclusion zones are time activated which allows aircraft operators to plan UPR segments through these areas when they are not active.

When UPR exclusion zones are active, aircraft operators must plan via published air routes or approved direct segments when transiting these areas. Approved direct segments are available in both directions H24 unless specified otherwise.

2.2 North Queensland

Refer [Appendix A](#) for graphical representation of North Queensland UPR exclusion zone and approved direct segments.

2.2.1 Definition

Area bounded by: ADGAD-KELPI-OVRON-PUPEB-MEMIG-MUNEL-KIMMI-MEMOS-KOOKA-ANDEE-LAKOT-MATAR-EML-UNVAT-ADGAD.

2.2.2 Activation Times

Daily 2300-0700 UTC.

2.2.3 Approved Direct Segments

| Direct Route Segment | Restrictions |
|----------------------|-----------------|
| ALBUX-OVRON | |
| ALBUX-TL | |
| EGUGO-LERKI | |
| EGUGO-MEPEM | |
| GULOP-VEKBI | |
| HUG-NONUM | |
| LERKI-NTN | |
| NONUM-KIMMI | Northbound only |
| NONUM-MEMIG | Northbound only |
| NONUM-MEMOS | Northbound only |
| TL-VEKBI | |
| UPOLO-KIMMI | Northbound only |
| UPOLO-MEMIG | Northbound only |
| UPOLO-MEMOS | Northbound only |

2.3 Brisbane Area

Refer [Appendix B](#) for graphical representation of Brisbane Area UPR exclusion zone and approved direct segments.

2.3.1 Definition

Area bounded by: CBULA-LAMSI-SCOTT-SAVER-GUMKI-ATROP-ADGAD-UNVAT-LAWRY-EYELA-PANPU-GUSNI-EGUBA-EMTID-CBULA.

2.3.2 Activation Times

Daily 2000-1200 UTC.

2.3.3 Approved Direct Segments

| Direct Route Segment | Restrictions |
|----------------------|----------------|
| ATROP-ITIDE | Westbound only |
| ATROP-MUDDL | Westbound only |
| BERNI-LAMSI | Eastbound only |
| BNA-LAMSI | Eastbound only |
| GOMOL-LAMSI | |
| SAVER-IDRAS | Westbound only |
| SAVER-SANEG | Westbound only |

2.4 Sydney Area

Refer [Appendix C](#) for graphical representation of Sydney Area UPR exclusion zone and approved direct segments.

2.4.1 Definition

Area bounded by: URBOB-OMLAV-NOBAR-CBULA-EMTID-IGDIT-VERAV-ENPAG-BORLI-URBOB.

2.4.2 Activation Times

Daily 2000-1300 UTC (Australian Winter), 1900-1200 UTC Hours of Daylight Saving (Australian Summer).

2.4.3 Approved Direct Segments

| Direct Route Segment | Restrictions |
|----------------------|----------------|
| BANDA-CBULA | |
| LOSPI-KADUV | Westbound only |
| KADUV-GUMAP | Eastbound only |
| TW-BANDA | Eastbound only |

2.5 Melbourne Area

Refer [Appendix D](#) for graphical representation of Melbourne Area UPR exclusion zone and approved direct segments.

2.5.1 Definition

Area bounded by: URBOB-BORLI-TOBOB-BERVU-NATYA-MAXEM-BORTO-NOGIP-SUNTI-ONAGI-MILLA-CORRS-ANGEX-URBOB.

2.5.2 Activation Times

Daily 2000-1300 UTC (Australian Winter), 1900-1200 UTC Hours of Daylight Saving (Australian Summer).

2.5.3 Approved Direct Segments

| Direct Route Segment | Restrictions |
|----------------------|----------------|
| ARBEY-CORRS | Eastbound only |
| BERVU-CANTY | Eastbound only |
| ML-OKISI | |
| ML-SPODD | |
| NEVIS-WOKKA | Westbound only |
| WOKKA-TYNDI | Eastbound only |

2.6 Adelaide Area

Refer [Appendix E](#) for graphical representation of Adelaide Area UPR exclusion zone and approved direct segments.

2.6.1 Definition

Area bounded by: BORTO-MAXEM-IBABI-ALTRO-QUORN-OJJAY-AKDAV-FRAZA-KAMBI-TUTNO-LONLY-GILES-BORTO.

2.6.2 Activation Times

Daily 2000-1300 UTC (Australian Winter), 1900-1200 UTC Hours of Daylight Saving (Australian Summer).

2.6.3 Approved Direct Segments

| Direct Route Segment | Restrictions |
|----------------------|----------------|
| DAMOB-NIMEK | Westbound only |
| KABEK-QUORN | Westbound only |
| KADUV-WHA | |
| ORBUN-ELMOL | Eastbound only |

2.7 Perth Area

Refer [Appendix F](#) for graphical representation of Perth Area UPR exclusion zone and approved direct segments.

2.7.1 Definition

Area bounded by: PH-AMANA-TOPIR-POKIP-KAGMI-PH.

2.7.2 Activation Times

Daily 2200-1300 UTC.

2.7.3 Approved Direct Segments

| Direct Route Segment | Restrictions |
|----------------------|--------------|
| BIRER-MERIB | |

3 Gates and Routes for Departures/Arrivals

3.1 General

Flights departing/arriving an Australian Port listed in this chapter must plan using one of the departure/arrival gates and routes defined below and comply with all relevant flight planning requirements and exceptions (FPREs) listed for that aerodrome.

Flights departing an Australian Port not listed in this chapter must plan using published routes meeting any requirements detailed in [ERSA](#) for climb to planned cruising level before commencing a UPR.

Flights arriving an Australian Port not listed in this chapter must terminate a UPR prior to descent from planned cruising level and plan using published routes meeting any requirements detailed in [ERSA](#).

3.2 YBCS (Cairns)

Refer [Appendix G](#) for graphical representation of YBCS Gates and Routes.

3.2.1 Departures

| Routes (ADEP to Gate) | Refer FPREs |
|---------------------------------|----------------------|
| CS J61 ANDEE | |
| CS J151 KOOKA | |
| CS B473 MEMOS | |
| CS R204 KIMMI | |
| CS A216 MEMIG | |
| CS R210 PUPEB | |
| CS BENKI | |
| CS J917 TENCH | |
| CS G342 NONIR | |
| CS G591 LAMEK | |
| CS Y177 AKROM Z17 OVRON | |
| CS Y177 WALTA | CS.1 |
| CS Y177 AKROM Y153 JEMMA | CS.1 |
| CS Y177 AKROM R346 TL Q30 MATAR | |
| CS J64 NONUM HUG | |
| CS J64 ONARA | |

3.2.2 Arrivals

| Routes (Gate to ADES) | Refer FPRES |
|-------------------------|----------------------|
| ANDEE J61 CS | |
| KOOKA J151 CS | |
| MEMOS B473 CS | |
| KIMMI R204 CS | |
| MEMIG A216 CS | |
| PUPEB R210 CS | |
| BENKI CS | |
| TENCH J917 CS | |
| NONIR G342 CS | |
| LAMEK G591 CS | |
| OVRON Q67 CS | |
| VOMPA Q499 NONUM J64 CS | CS.2 |
| LAKOT Q76 NONUM J64 CS | |
| HUG NONUM J64 CS | |
| ONARA J64 CS | |

3.2.3 Flight Planning Requirements and Exceptions (FPRES)

- CS.1) Departure gate is within/adjacent to a UPR exclusion zone. Check activation times for onward flight planning requirements.
- CS.2) Arrival gate is within/adjacent to a UPR exclusion zone. Check activation times for preceding flight planning requirements.

3.3 YBBN (Brisbane)

Refer [Appendix H](#) for graphical representation of YBBN Gates and Routes.

3.3.1 Departures

| Routes (ADEP to Gate) | Refer FPRES |
|-------------------------|----------------------|
| BN Q67 LOAFA | BN.1 |
| BN Q67 GUDSO Q24 KELPI | |
| BN Q67 BIXAD A598 PONUX | BN.2 |
| BN B578 GUMKI FLATY | |
| BN B578 GUMKI Y88 HARVS | |
| BN B578 MEPEM | |
| BN B578 GUMKI LAPIP | |

| Routes (ADEP to Gate) | Refer FPRES |
|-------------------------------------|----------------------------|
| BN B578 GUMKI Y98 BONEY | |
| BN J208 SCOTT GATER | |
| BN J208 SCOTT NETTY | |
| BN J208 KIBAT | |
| BN J208 SCOTT P880 LAMSI N584 SIFRA | |
| BN J208 SCOTT P880 LAMSI LAROS | |
| BN H91 ADMAR | BN.1 |
| BN H91 SANEG Q4 PAVBI | BN.1, BN.3 |
| BN V250 LEBIT V412 ROM | |
| BN V250 UNVAT | |
| BN V250 IBUNA Q473 IGUPI V129 EML | |

3.3.2 Arrivals

| Routes (Gate to ADES) | Refer FPRES |
|------------------------------------|----------------------------|
| PONUX H224 BN | |
| FLATY ATROP H224 BN | |
| HARVS R587 ATROP H224 BN | |
| MEPEM Q144 ATROP H224 BN | |
| LAPIP SAVER G329 BN | |
| BONEY G329 BN | |
| GATER Q39 SAVER G329 BN | |
| NETTY M639 SAVER G329 BN | |
| WODAY L503 SAVER G329 BN | |
| SIFRA N584 LAMSI GOMOL H252 BN | |
| LAROS T53 GOMOL H252 BN | |
| BANDA H252 BN | BN.4 |
| LOSKU H140 IDNER H66 LAGOB H252 BN | BN.4 |
| PEBDO H66 LAGOB H252 BN | BN.4 |
| EMTID Y27 BN | BN.4, BN.5 |
| EGUBA ENLIP Y27 BN | |
| GUSNI ENLIP Y27 BN | |
| PANPU ENLIP Y27 BN | |
| EYELA ENLIP Y27 BN | |
| LAWRY ENLIP Y27 BN | |

| Routes (Gate to ADES) | Refer FPRES |
|--|----------------------|
| ROM Y166 IDLEG V327 IGUPI Y340 LAMUG Y177 BN | |
| UNVAT V327 IGUPI Y340 LAMUG Y177 BN | |
| EML Y409 BESBO Y177 BN | |
| RUROX Y177 BN | BN.4 |
| KELPI Y89 BESBO Y177 BN | |

3.3.3 Flight Planning Requirements and Exceptions (FPRES)

- BN.1) Departure gate is within/adjacent to a UPR exclusion zone. Check activation times for onward flight planning requirements.
- BN.2) When M640 is active (depending on restricted area levels), plan via Q67 GUDSO Q24 TERUV PUGEL.
- BN.3) When R570C or D is active (regardless of restricted area levels), plan via Q4 RUBIX or via Q4 IDBUG Q42 ANROM.
- BN.4) Arrival gate is within/adjacent to a UPR exclusion zone. Check activation times for preceding flight planning requirements.
- BN.5) When R570C or D is active (regardless of restricted area levels), plan via IGDIT Y27 EMTID.

3.4 YBCG (Gold Coast)

Refer [Appendix I](#) for graphical representation of YBCG Gates and Routes.

3.4.1 Departures

| Routes (ADEP to Gate) | Refer FPRES |
|---------------------------------------|----------------------|
| GOMOL Q47 IDRAS Y258 LEBIT V412 ROM | |
| GOMOL Q47 IDRAS Y258 LEBIT V250 UNVAT | |
| GOMOL Q47 ITIDE Q295 GUDSO Q67 LOAFA | CG.1 |
| GOMOL Q47 ITIDE Q295 GUDSO Q24 KELPI | |
| GOMOL Q47 ITIDE PONUX | CG.2 |
| GOMOL Q47 IDRAS GUMKI FLATY | |
| GOMOL Q47 IDRAS GUMKI Y88 HARVS | |
| GOMOL Q47 IDRAS GUMKI B578 MEPEM | |
| GOMOL Q47 SCOTT LAPIP | |
| GOMOL Q47 SCOTT BONEY | |
| GOMOL LAMSI GATER | |
| GOMOL LAMSI NETTY | |
| GOMOL LAMSI KIBAT | |

| Routes (ADEP to Gate) | Refer FPRES |
|---------------------------|----------------------------|
| GOMOL LAMSI N584 SIFRA | |
| GOMOL T53 LAROS | |
| GOMOL Q16 APAGI H91 ADMAR | CG.1 |
| GOMOL Q16 PAVBI | CG.1, CG.3 |

3.4.2 Arrivals

| Routes (Gate to ADES) | Refer FPRES |
|---|----------------------------|
| EMTID Y27 BN Y177 GOMOL | CG.4, CG.5 |
| EGUBA ENLIP Y27 BN Y177 GOMOL | |
| GUSNI ENLIP Y27 BN Y177 GOMOL | |
| PANPU ENLIP Y27 BN Y177 GOMOL | |
| EYELA ENLIP Y27 BN Y177 GOMOL | |
| LAWRY ENLIP Y27 BN Y177 GOMOL | |
| ROM Y166 IDLEG V327 IGUPI Y340 LAMUG Y177 GOMOL | |
| UNVAT V327 IGUPI Y340 LAMUG Y177 GOMOL | |
| EML Y409 BESBO Y177 GOMOL | |
| RUROX Y177 GOMOL | CG.4 |
| KELPI Y89 BESBO Y177 GOMOL | |
| PONUX H224 ATROP IDRIL Y177 GOMOL | |
| FLATY ATROP IDRIL Y177 GOMOL | |
| HARVS R587 ATROP IDRIL Y177 GOMOL | |
| MEPEM Q144 ATROP IDRIL Y177 GOMOL | |
| LAPIP GOMOL | |
| BONEY GOMOL | |
| GATER LAMSI GOMOL | |
| NETTY LAMSI GOMOL | |
| WODAY LAMSI GOMOL | |
| SIFRA N584 LAMSI GOMOL | |
| LAROS LAMSI GOMOL | |
| BANDA Y43 GREAV GOMOL | CG.4 |
| OLRIP Y54 BERNI Y43 GREAV GOMOL | CG.4 |

3.4.3 Flight Planning Requirements and Exceptions (FPRES)

- CG.1) Departure gate is within/adjacent to a UPR exclusion zone. Check activation times for onward flight planning requirements.

- CG.2) When M640 is active (depending on restricted area levels), plan via ITIDE Q295 GUDSO Q24 TERUV PUGEL.
- CG.3) When R570C or D is active (regardless of restricted area levels), plan via Q4 RUBIX or via Q4 IDBUG Q42 ANROM.
- CG.4) Arrival gate is within/adjacent to a UPR exclusion zone. Check activation times for preceding flight planning requirements.
- CG.5) When R570C or D is active (regardless of restricted area levels), plan via IGDIT Y27 EMTID.

3.5 YSSY (Sydney)

Refer [Appendix J](#) for graphical representation of YSSY Gates and Routes.

3.5.1 Departures

| Routes (ADEP to Gate) | Refer FPRES |
|--|----------------------------|
| TESAT H252 UPNEX H140 IDNER | SY.1 |
| TESAT H252 OLSEM Y193 BANDA H252 OMKAX | SY.1, SY.2 |
| TESAT H252 OLSEM Y193 BANDA Y43 BERNI | SY.1, SY.2 |
| TESAT H252 OLSEM Y193 BNA | SY.1, SY.2 |
| TESAT H252 OLSEM Y193 BANDA CBULA | SY.2 |
| TESAT B450 NOBAR B474 BEADS | SY.3 |
| TESAT B450 NOBAR B580 IFFEY | SY.3 |
| TESAT B450 NOBAR A579 JORDY | SY.3 |
| TESAT B450 ABARB | SY.3 |
| TESAT G595 SOTKI | |
| TESAT L521 GEROS | |
| TESAT M636 PLUGA | |
| TESAT Y84 TONIM | |
| TESAT H65 WOL H20 OTKED | |
| TESAT H65 LEECE Q29 RUMIE | SY.1 |
| TESAT H65 WOL J42 ARRAN | SY.1 |
| TESAT H65 WOL J42 CB W148 WG Q60 TOBOB | SY.1 |
| TESAT A576 KADOM H44 BORLI | SY.1 |
| TESAT A576 PKS | SY.4 |
| TESAT H530 RIC H226 ENPAG | |
| TESAT H530 KABIX | |
| TESAT H530 LASUD Q293 BINAG | SY.5 |
| TESAT H530 LASUD Q238 ESLOM | SY.5 |

3.5.2 Arrivals

| Routes (Gate to ADES) | Refer FPRES |
|--------------------------------------|----------------------|
| OTLAM Y161 OVNOM H652 TESAT | |
| UBLUK H652 TESAT | |
| APAGI H91 IGDAM H652 TESAT | SY.6 |
| IDNER H98 SANAD H91 IGDAM H652 TESAT | SY.6 |
| CBULA BANDA J70 IGDAM H652 TESAT | |
| BEADS RIKNI N774 TESAT | SY.7 |
| IFFEY RIKNI N774 TESAT | SY.7 |
| ABARB RIKNI N774 TESAT | |
| GOOMA H258 RIKNI N774 TESAT | |
| SOTKI G595 ATNAT RIKNI N774 TESAT | |
| AKALU N774 TESAT | |
| PLUGA RIKNI N774 TESAT | |
| TONIM RIKNI N774 TESAT | |
| MAKRL J163 CB W423 CULIN Y59 TESAT | |
| ARRAN Y59 TESAT | SY.6 |
| KACEY H36 NONUP Y59 TESAT | SY.6 |
| TOBOB H247 CULIN Y59 TESAT | SY.6 |
| BORLI H205 CULIN Y59 TESAT | SY.6 |
| VELGI Y105 TARAL Y59 TESAT | SY.8 |

3.5.3 Flight Planning Requirements and Exceptions (FPRES)

- SY.1) Departure gate is within/adjacent to a UPR exclusion zone. Check activation times for onward flight planning requirements.
- SY.2) Vertical requirements apply below FL250, refer [AIP DAP](#). If unable to meet vertical requirements, plan via TESAT H252 UPNEX H140 MATLA Y43 BANDA.
- SY.3) When M550 is active, plan TESAT G595 ATNAT ABARB.
- SY.4) Departures via PKS must remain on or South of a line PKS-ENPAG and on or North of a line PKS-NODEK.
- SY.5) Gate NOT AVBL when R570B or D is active (regardless of restricted area levels).
- SY.6) Arrival gate is within/adjacent to a UPR exclusion zone. Check activation times for preceding flight planning requirements.
- SY.7) Gate NOT AVBL when M550 is active.
- SY.8) Arrivals via VELGI must remain on or South of a line ENPAG-VELGI and on or North of a line NODEK-VELGI.

3.6 YMML (Melbourne)

Refer [Appendix K](#) for graphical representation of YMML Gates and Routes.

3.6.1 Departures

| Routes (ADEP to Gate) | Refer FPRES |
|---------------------------------|----------------------|
| ML V126 ESDIG SPODD | |
| ML V126 NOGIP | |
| ML Q158 CRENA | |
| ML H345 NEVIS WOKKA | |
| ML H345 BORTO | ML.1 |
| ML H164 KEPPA Q168 KABEK | ML.1 |
| ML H164 IBABI | ML.1 |
| ML H164 KEPPA H336 NATYA | |
| ML H50 MNG Q76 TOBOB | |
| ML H66 KACEY | ML.1 |
| ML H129 DOSEL Y59 NONUP | ML.1 |
| ML Y260 CORRS RIKUS URBOB | ML.1 |
| ML Y260 CORRS RIKUS MER | |
| ML Y260 CORRS RIKUS OTKED MOMSY | |
| ML Y260 CORRS Y81 GEMAC | |
| ML Y260 CORRS SNELY | |
| ML Y260 CORRS KURRT | |
| ML Y260 CORRS Y66 GIVID | |
| ML Y260 ECKHO | |
| ML Y260 CORRS Y21 DADAD | |
| ML H169 IRSOM V33 TASUM | |

3.6.2 Arrivals

| Routes (Gate to ADES) | Refer FPRES |
|---------------------------|----------------------|
| SPODD WENDY V279 ML | |
| NOGIP V279 ML | |
| MTG Y53 WENDY V279 ML | |
| WOKKA TYNDI WENDY V279 ML | |
| BENDO Y12 ARBEY H119 ML | ML.2 |
| NATYA H119 ML | |

| Routes (Gate to ADES) | Refer FPRES |
|-------------------------------------|----------------------|
| BERVU CANTY H119 ML | |
| BORLI Q346 POLSO Q35 CANTY H119 ML | ML.2 |
| TANTA Q29 ML | ML.2 |
| URBOB NABBA Q29 ML | ML.2 |
| MER RIMSU Q302 LIZZI Q29 ML | |
| MOMSY RIMSU Q302 LIZZI Q29 ML | |
| GEMAC Q302 LIZZI Q29 ML | |
| SNELY MILLA P753 WAREN W687 ML | |
| KURRT MILLA P753 WAREN W687 ML | |
| GIVID M625 MILLA P753 WAREN W687 ML | |
| ECKHO L508 MILLA P753 WAREN W687 ML | |
| DADAD P753 WAREN W687 ML | |
| VEKLO LT H215 WAREN W687 ML | |

3.6.3 Flight Planning Requirements and Exceptions (FPRES)

- ML.1) Departure gate is within/adjacent to a UPR exclusion zone. Check activation times for onward flight planning requirements.
- ML.2) Arrival gate is within/adjacent to a UPR exclusion zone. Check activation times for preceding flight planning requirements.

3.7 YPAD (Adelaide)

Refer [Appendix L](#) for graphical representation of YPAD Gates and Routes.

3.7.1 Departures

| Routes (ADEP to Gate) | Refer FPRES |
|-----------------------------------|----------------------|
| AD Q33 LONLY | |
| AD A585 AREPA H54 KAMBI | |
| AD A585 FRAZA | |
| AD A585 AREPA Q8 AKDAV | |
| AD A585 AREPA J58 WHA J251 OJJAY | |
| AD H246 DAMOB | AD.1 |
| AD V361 UPROT Y27 IGIPA | |
| AD V361 UPROT Y27 UBDIB Y54 VENEL | |
| AD H247 NATYA | AD.2 |
| AD V255 BENDO H36 KACEY | AD.2 |

| Routes (ADEP to Gate) | Refer FPRES |
|--------------------------|----------------------|
| AD V255 BENDO Y12 LULTO | AD.2 |
| AD V255 BENDO Y218 GRACY | AD.2 |

3.7.2 Arrivals

| Routes (Gate to ADES) | Refer FPRES |
|------------------------------------|----------------------|
| TUTNO Y135 DADRU Y39 ATNAR N640 AD | |
| KAMBI N640 AD | |
| CDU V621 ATNAR N640 AD | |
| AKDAV Y38 ATNAR N640 AD | |
| OJJAY J251 WHA H84 AD | AD.3 |
| LEC H135 AD | |
| ANUXU H630 NIMEK H135 AD | |
| MIA Q4 WOONA Q60 KAKLU H309 AD | |
| MAXEM Q60 KAKLU H309 AD | AD.4 |
| NEVIS H345 AD | AD.4 |
| GRACY T234 BORTO H345 AD | AD.4 |

3.7.3 Flight Planning Requirements and Exceptions (FPRES)

- AD.1) Gate NOT AVBL when R265 is active as RA2.
- AD.2) Departure gate is within/adjacent to a UPR exclusion zone. Check activation times for onward flight planning requirements.
- AD.3) When R292C or D or F active ABV A045 or R292E active ABV A085, plan via WHA J58 SPOTA AGROS T20 AD.
- AD.4) Arrival gate is within/adjacent to a UPR exclusion zone. Check activation times for preceding flight planning requirements.

3.8 YPPH (Perth)

Refer [Appendix M](#) for graphical representation of YPPH Gates and Routes.

3.8.1 Departures

| Routes (ADEP to Gate) | Refer FPRES |
|-------------------------|----------------------|
| PH T12 OPEGA | PH.1 |
| PH Y15 AVNEX N752 POKIP | PH.2 |
| PH Y15 AVNEX H16 GEL | PH.2 |
| PH Y15 ESDEG Q587 WOLGO | PH.2 |
| PH Y15 OSTOL | PH.2 |

| Routes (ADEP to Gate) | Refer FPRES |
|----------------------------------|----------------------|
| PH Y15 ESDEG Y44 KAYOK | PH.2 |
| PH Y15 ESDEG Y60 PALT | PH.2 |
| PH Y31 ANKEL | |
| PH Y31 MANIG Y13 WAGOO | |
| PH Y31 MANIG Y18 SUGAB | |
| PH Y31 MANIG Y36 YEEDI | |
| PH Y31 LAKIR Y69 YOKRA | |
| PH Y31 LAKIR Y69 BOSLI Y67 YAHMO | |
| PH H18 MUBID | |
| PH H18 BURGU Y135 HECTO | |
| PH H18 BURGU Y53 MEMUP | |

3.8.2 Arrivals

| Routes (Gate to ADES) | Refer FPRES |
|------------------------------------|----------------------|
| OPEGA T12 PH | PH.1 |
| BORVI B469 TOPIR L514 AVPAL Q38 PH | |
| PALT L514 AVPAL Q38 PH | |
| RULVI Q9 AVPAL Q38 PH | |
| AVMAS Q31 AVPAL Q38 PH | |
| TODIK Q181 AVPAL Q38 PH | |
| UNVAX Q38 PH | |
| NOMAV Q25 DALWU Q38 PH | |
| NALAR Q41 MALUP Q158 PH | |
| MUBID Q10 MALUP Q158 PH | |
| DUNDA Q32 NODEV Q10 MALUP Q158 PH | |
| ESP Q158 PH | |
| MOLGA Q27 MALUP Q158 PH | |

3.8.3 Flight Planning Requirements and Exceptions (FPRES)

- PH.1) Remains AVBL when M181, M171AB and M166 are active.
- PH.2) MNM GRAD 6% apply for airspace requirements, refer [AIP DAP](#) – AVNEX SID. ACFT unable to comply plan via AMANA.

This page is intentionally blank

4 Contacts & Change Process

4.1 Contacts for Assistance

4.1.1 General Queries

For any OARP related inquiries, please email OARP@AirservicesAustralia.com.

4.1.2 Flights Departing more than 1 Hour in the Future

| Contact the Network Coordination Centre (NCC) | |
|---|-----------------|
| Within Australia | 1300 272 662 |
| Outside of Australia | +61 2 6268 5662 |

4.1.3 Flights Airbourne or Departing within 1 Hour

| Contact the Air Traffic Management Director (ATMD) | |
|--|-----------------|
| Within Australia | 1300 879 535 |
| Outside of Australia | +61 3 9235 7550 |

4.2 Change Process

4.2.1 Changes to this Manual

A new version of OARP will be published six monthly and coincide with the MAP/DAH AIRAC amendments (usually the sixth and twelfth AIRAC cycle of each calendar year). Where such versions only contain updates to align with changes to MAP/DAH and do not add/remove/amend any procedures an AIC will not be published, however the new version of OARP will be available to download from the Airservices website at <https://www.airservicesaustralia.com/industry-info/flight-briefing/off-air-route-flight-planning-options>.

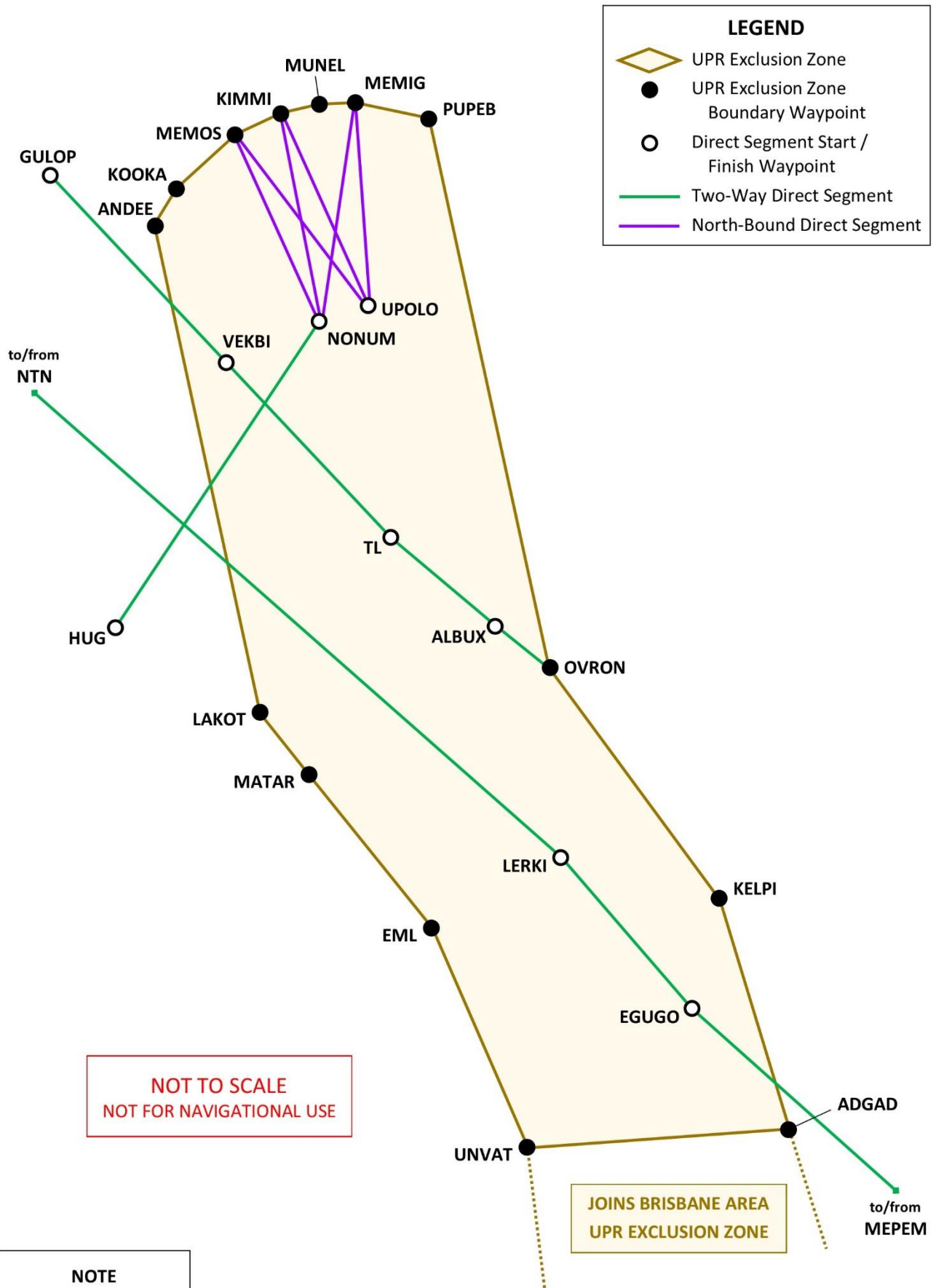
When any procedures are added/removed/amended in OARP, notification will be via publication of an AIC and the new version of OARP will be available to download from the Airservices website. Such versions may coincide with the MAP/DAH AIRAC amendments or be published with effect from any other date as required.

4.2.2 Industry Requests

Aircraft operators may address feedback on the content of OARP by emailing OARP@AirservicesAustralia.com.

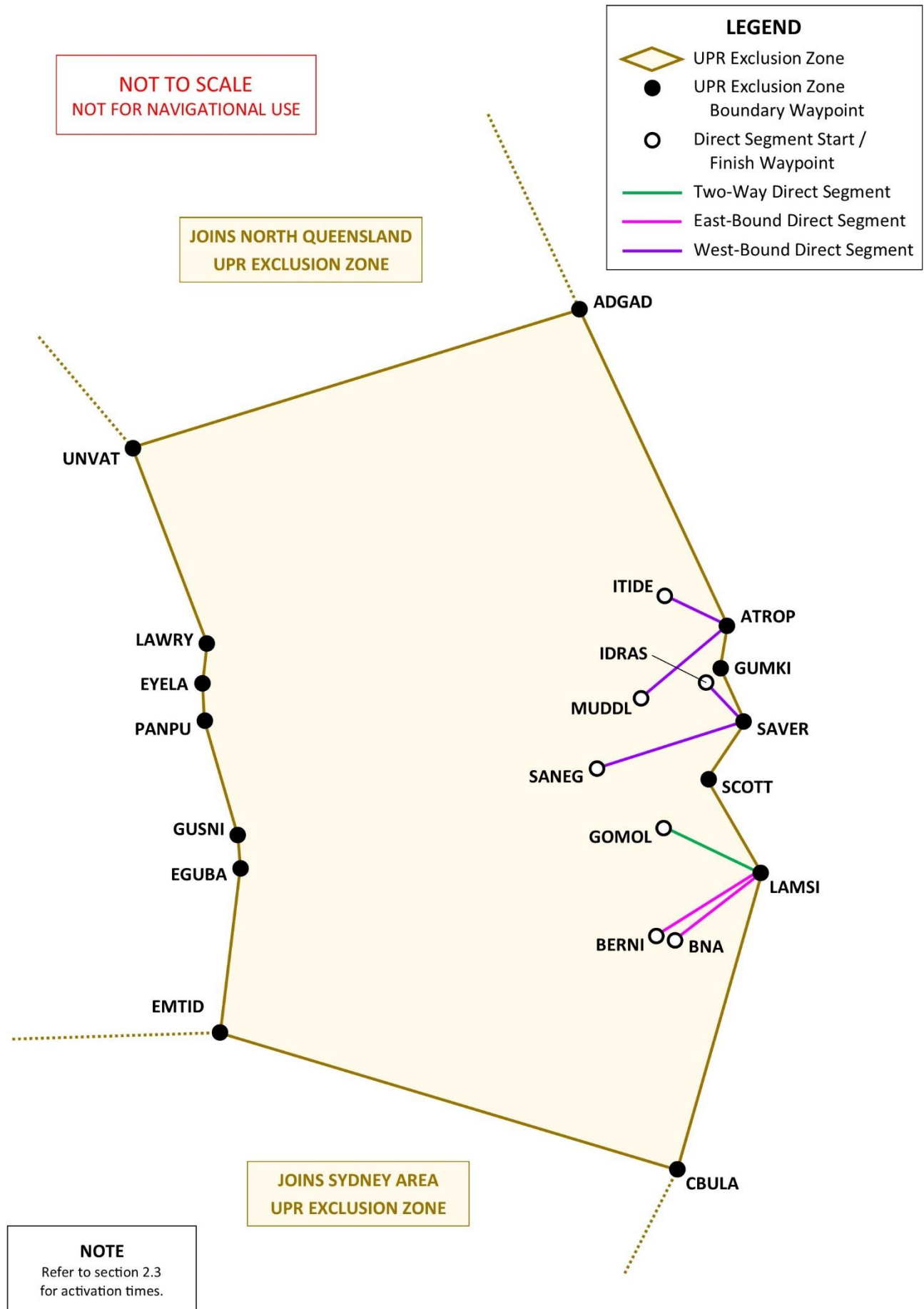
This page is intentionally blank

Appendix A UPR Exclusion Zone – North Queensland



This page is intentionally blank







Appendix B UPR Exclusion Zone – Brisbane Area

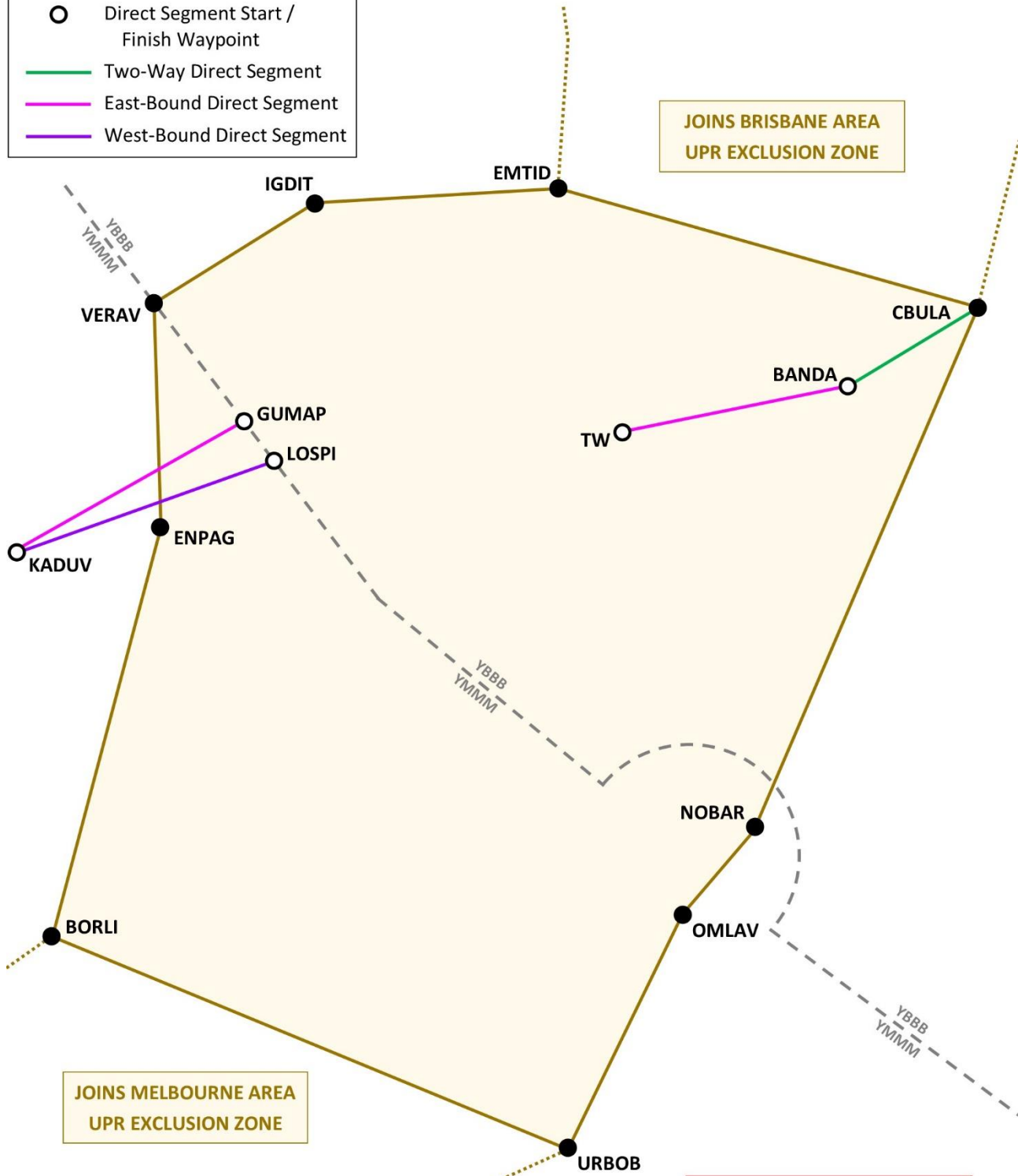


This page is intentionally blank

Appendix C UPR Exclusion Zone – Sydney Area

LEGEND

-  UPR Exclusion Zone
-  UPR Exclusion Zone Boundary Waypoint
-  Direct Segment Start / Finish Waypoint
-  Two-Way Direct Segment
-  East-Bound Direct Segment
-  West-Bound Direct Segment

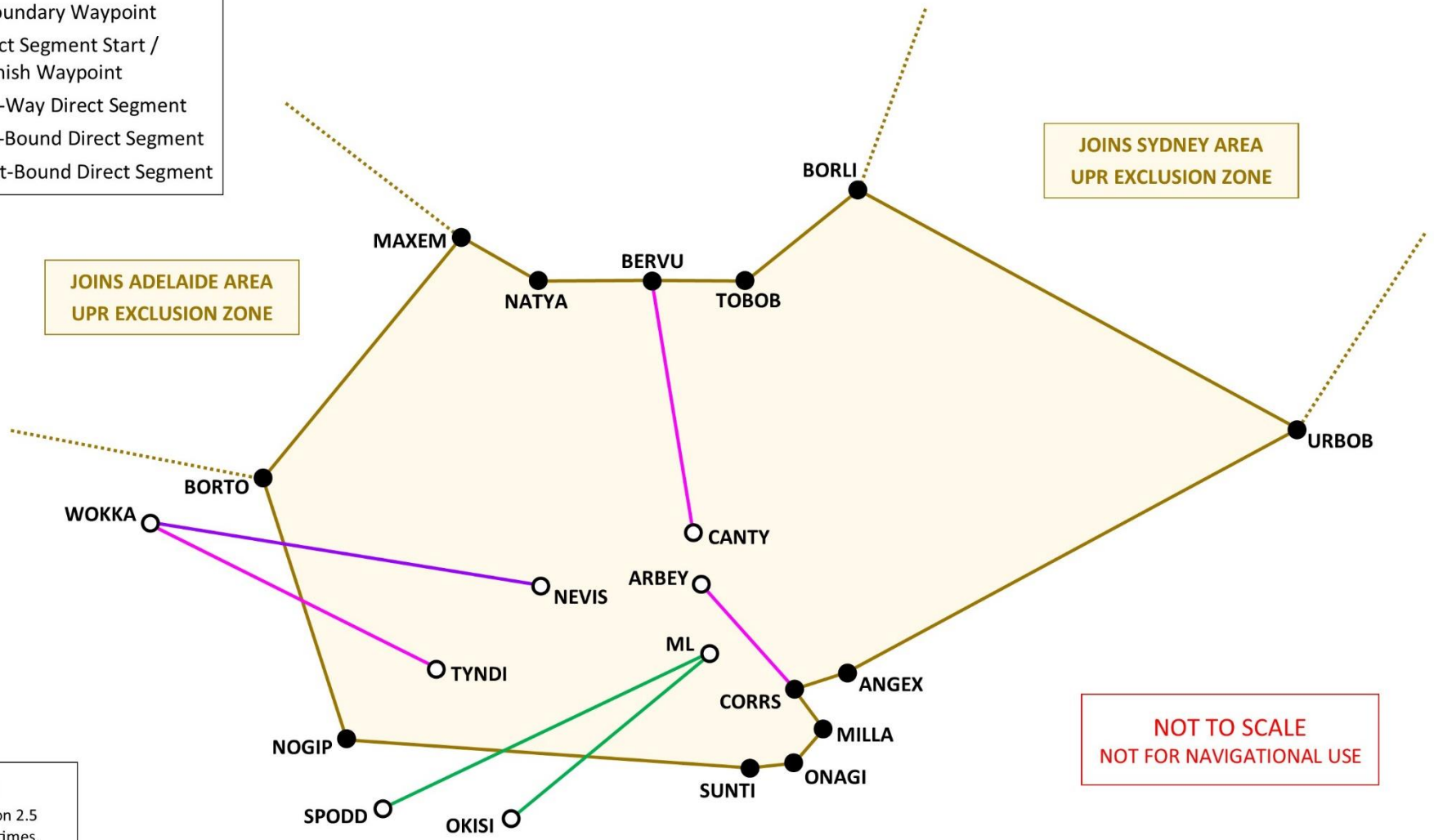
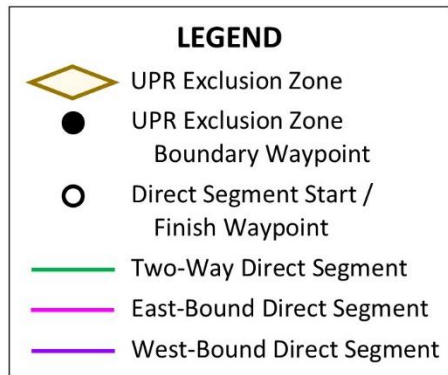


NOTE
Refer to section 2.4 for activation times.

NOT TO SCALE
NOT FOR NAVIGATIONAL USE

This page is intentionally blank

Appendix D UPR Exclusion Zone – Melbourne Area



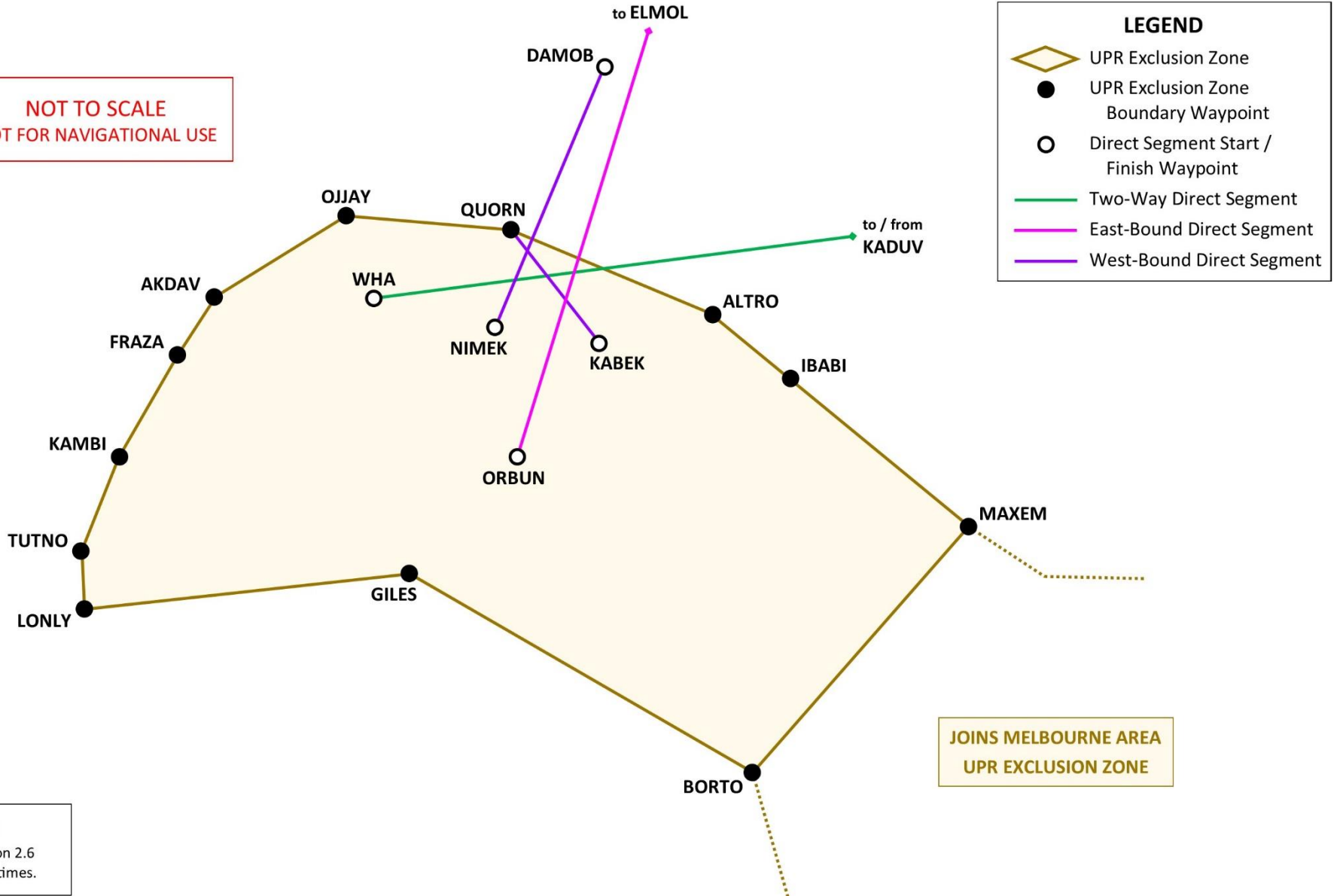
NOTE
Refer to section 2.5 for activation times.

NOT TO SCALE
NOT FOR NAVIGATIONAL USE

This page is intentionally blank

Appendix E UPR Exclusion Zone – Adelaide Area

NOT TO SCALE
NOT FOR NAVIGATIONAL USE

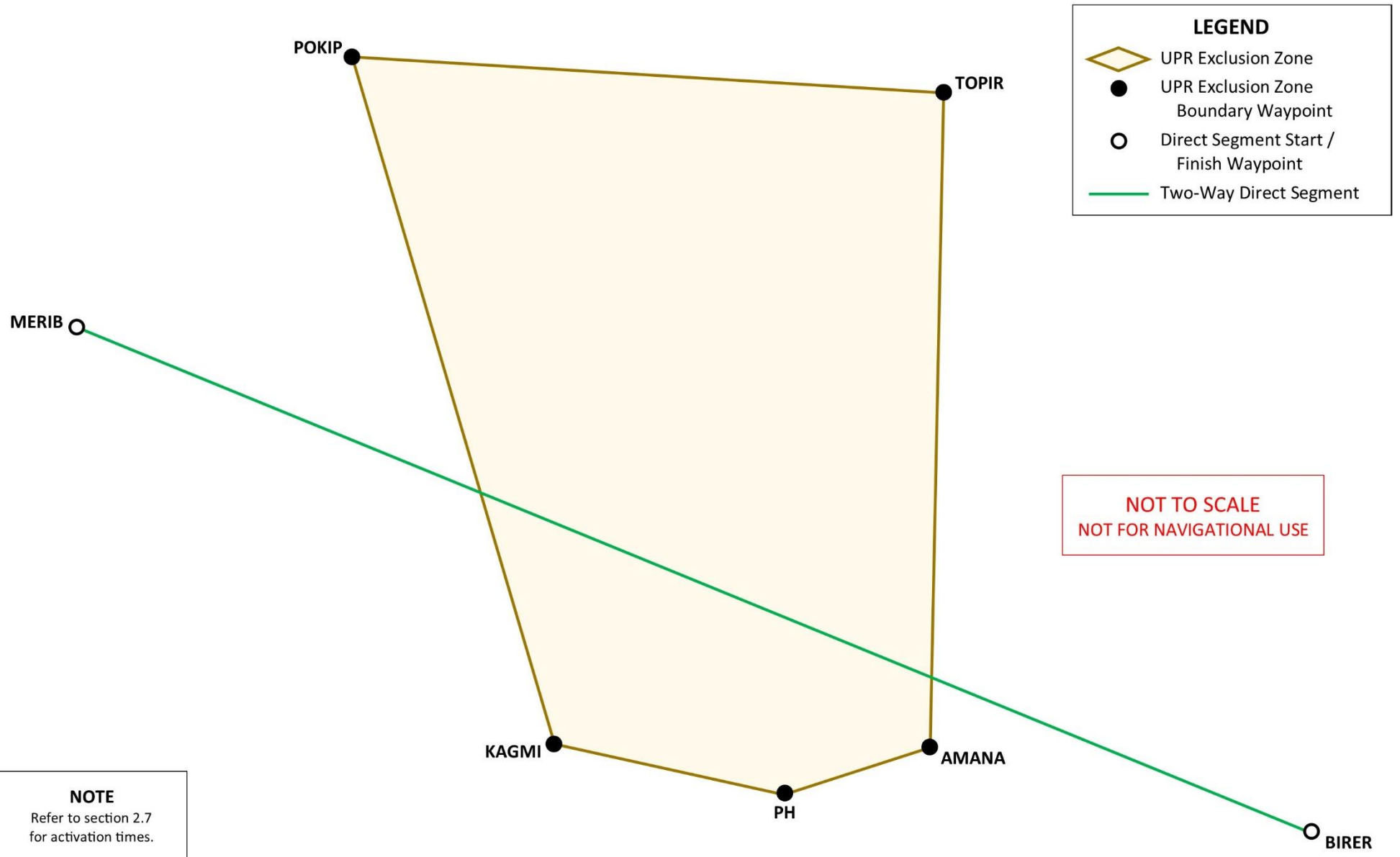


NOTE
Refer to section 2.6
for activation times.

JOINS MELBOURNE AREA
UPR EXCLUSION ZONE

This page is intentionally blank

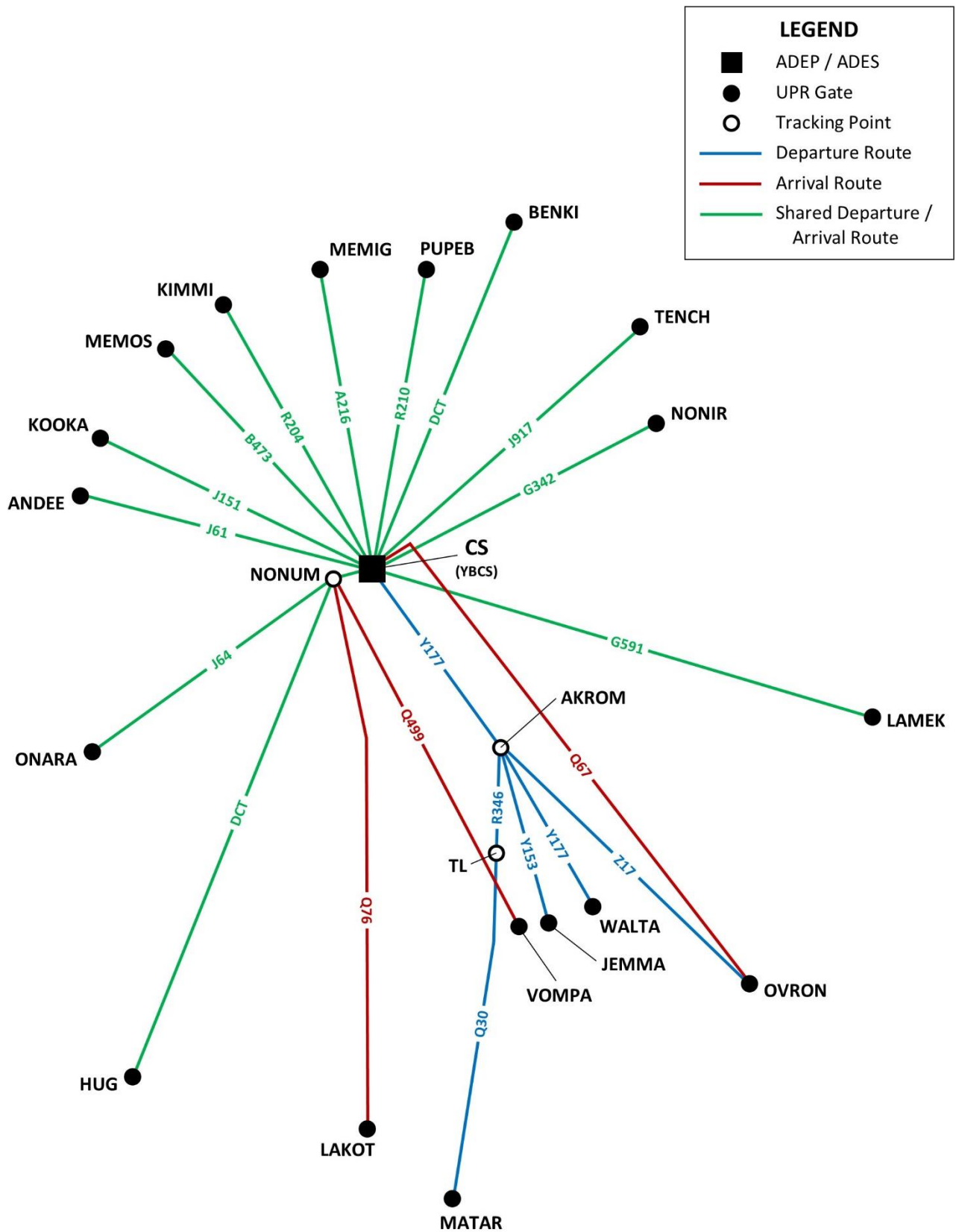
Appendix F UPR Exclusion Zone – Perth Area



NOTE
Refer to section 2.7
for activation times.

This page is intentionally blank

Appendix G UPR Gates – YBCS (Cairns)

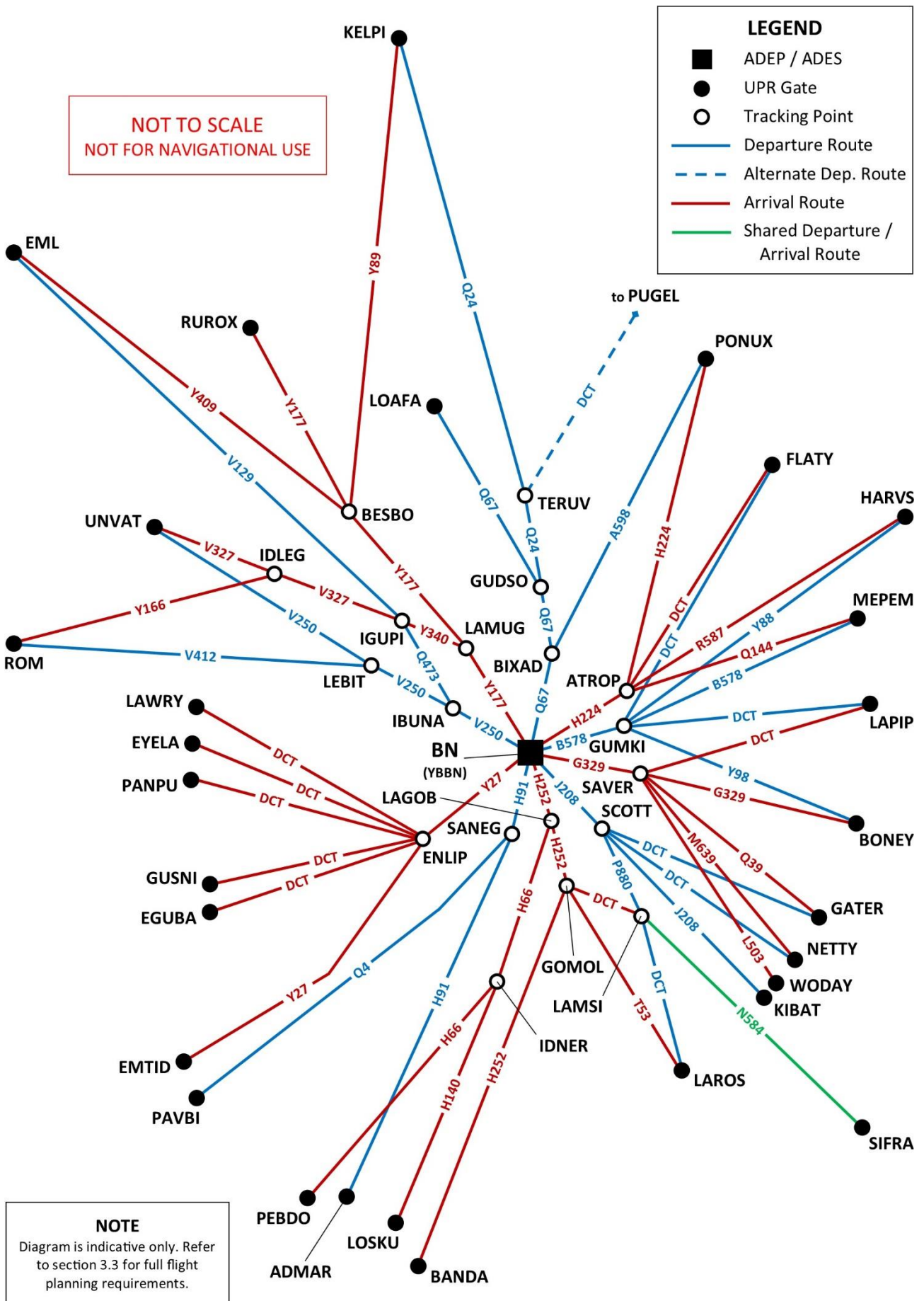


NOTE
Diagram is indicative only. Refer to section 3.2 for full flight planning requirements.

NOT TO SCALE
NOT FOR NAVIGATIONAL USE

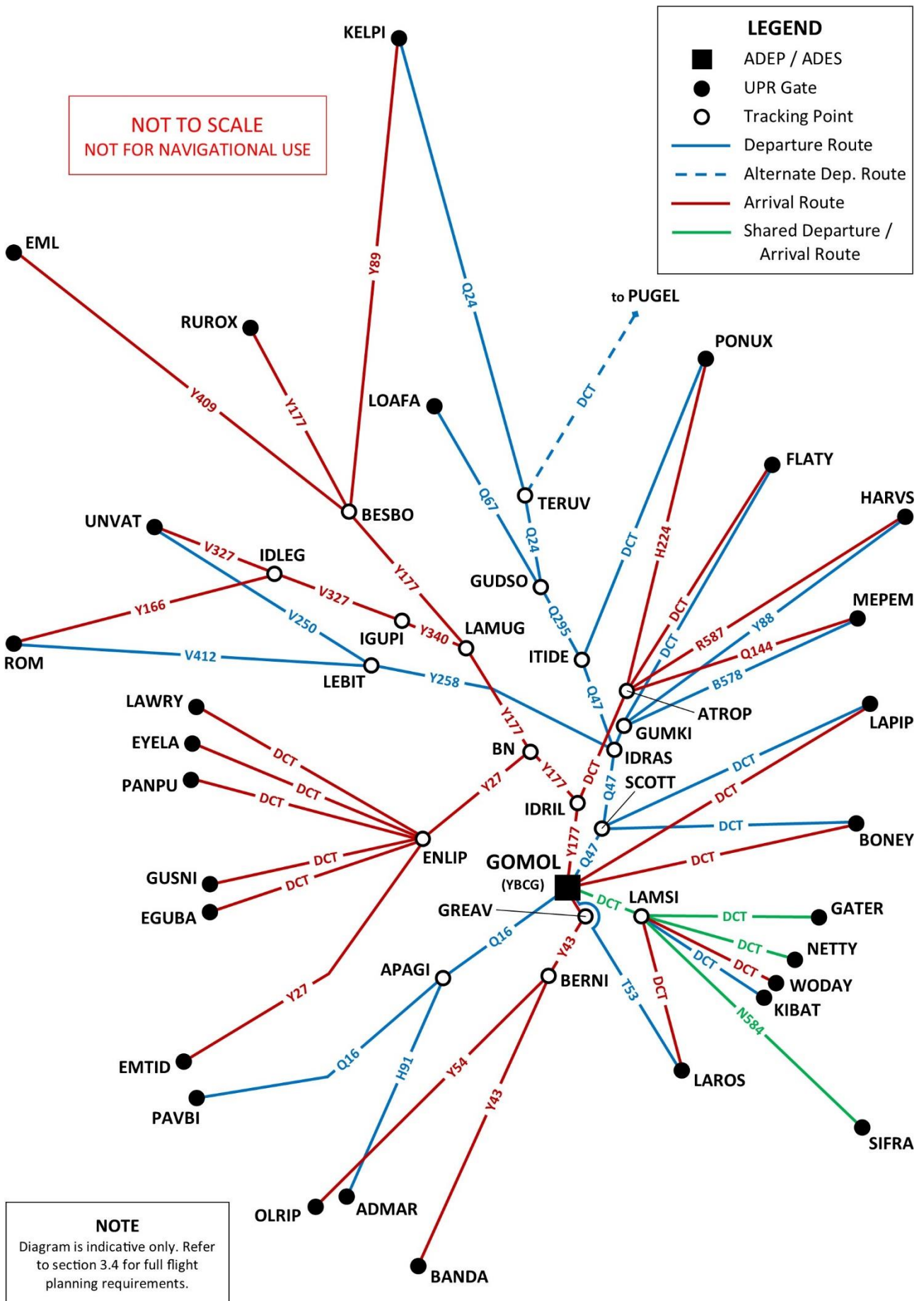
This page is intentionally blank

Appendix H UPR Gates – YBBN (Brisbane)



This page is intentionally blank

Appendix I UPR Gates – YBCG (Gold Coast)



This page is intentionally blank

This page is intentionally blank

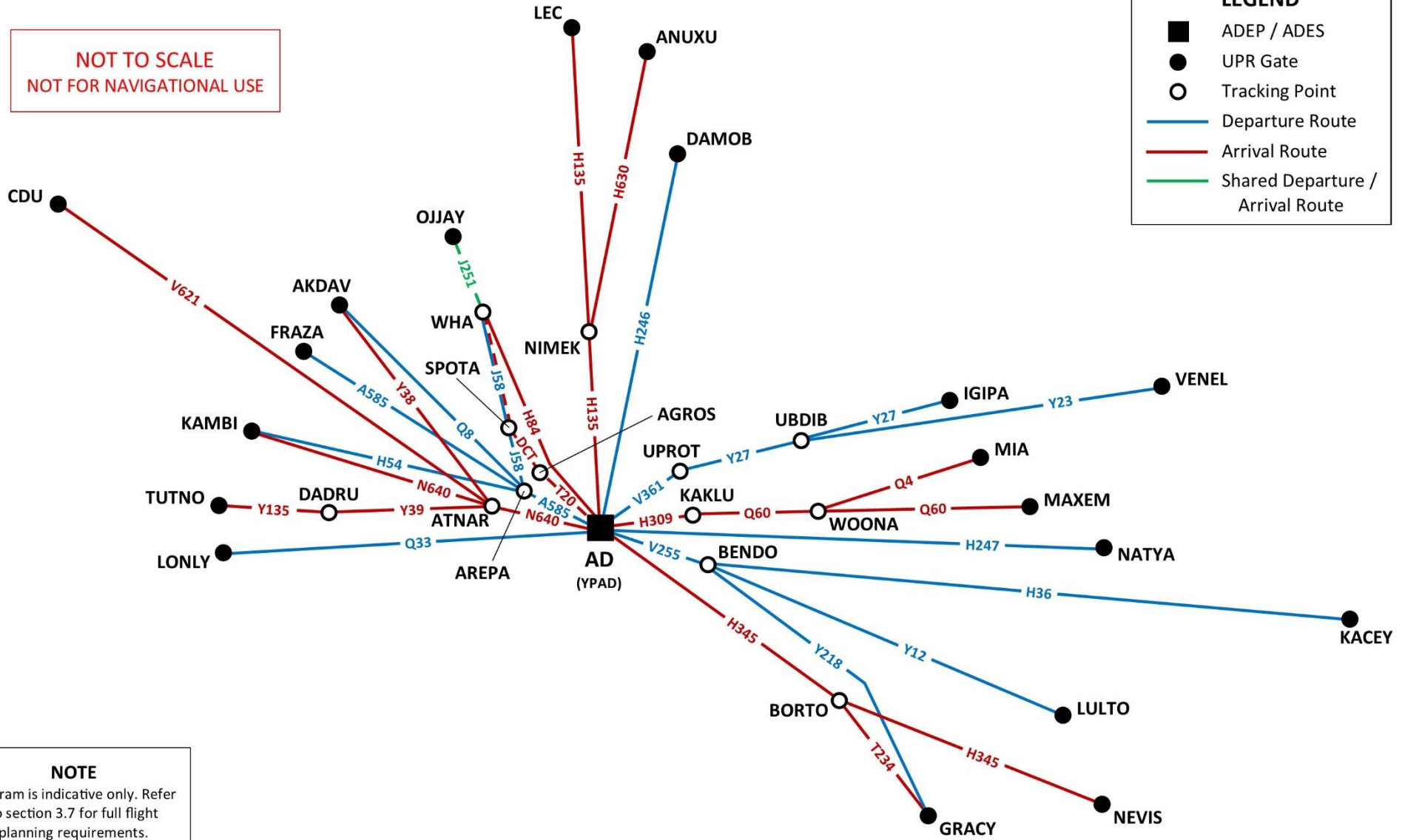
This page is intentionally blank

Appendix L UPR Gates – YPAD (Adelaide)

NOT TO SCALE
NOT FOR NAVIGATIONAL USE

LEGEND

- ADEP / ADES
- UPR Gate
- Tracking Point
- Departure Route
- Arrival Route
- Shared Departure / Arrival Route



NOTE
Diagram is indicative only. Refer to section 3.7 for full flight planning requirements.

This page is intentionally blank

This page is intentionally blank