

Off Air Routes Planning (OARP)

Manual

ATS-MAN-0080

Version 55

Effective 30 November 2023

Prepared: Markus Johnston – OARP Subject Matter Expert

Approved: Long Haul Services - Amy Humphreys

Change Summary

Off Air Routes Planning (OARP) Manual Version 55: Effective 30 November 2023		
Clause Number	Change Description	CRC
2.3.1 & Appendix B	Brisbane Area UPR Exclusion Zone definition altered	31164
2.4.1 & Appendix C	Sydney Area UPR Exclusion Zone definition altered	
2.4.3 & Appendix C	Approved direct segment AGETA-RACHL removed	
2.3.3, 2.4.3, Appendices B & C	Approved direct segment ISKIM-AGETA removed	
3.3.1 & Appendix H	YBBN ISKIM departure gate removed	
3.3.1 & Appendix H	YBBN VIGUT departure gate replaced by PAVBI departure gate and associated FPRES BN.3	
3.4.1 & Appendix I	YBCG ISKMI departure gate replaced by PAVBI departure gate and associated FPRES CG.3	
3.3.2, 3.4.2, Appendices H & I	YBBN and YBCG RACHL arrival gates replaced by EMTID arrival gates and associated FPRES BN.5 and CG.5	
3.3.1, 3.3.2 & 3.3.3	YBBN FPRES reference numbers updated	
3.4.1, 3.4.2 & 3.4.3	YBCG FPRES reference numbers updated	
3.5.1 & Appendix J	YSSY AGETA departure gate and associated FPRES replaced by KABIX departure gate	
3.5.1, 3.5.3 & Appendix J	YSSY SGE departure gate and associated FPRES replaced by BINAG departure gate and associated FPRES SY.5	
3.5.1, 3.5.3 & Appendix J	YSSY SULMI departure gate and associated FPRES replaced by ESLOM departure gate and associated FPRES SY.5	
3.5.2, 3.5.3 & Appendix J	YSSY AGETA arrival gate and associated FPRES removed	
3.5.2 & Appendix J	YSSY JORDY arrival gate removed	
3.5.2 & Appendix J	YSSY ROKUU arrival gate replaced by UBLUK arrival gate	
3.5.2 & Appendix J	YSSY SGE arrival gate replaced by OTLAM arrival gate	
3.5.3	FPRES SY.2 for vertical requirements and alternate routing departing YSSY updated	
3.5.3	FPRES SY.3 for restrictions and alternate routing departing YSSY when M550 is active updated	

Off Air Routes Planning (OARP) Manual
Version 55: Effective 30 November 2023

3.5.3	FPRE SY.7 for restrictions and alternative routing arriving YSSY when M550 is active updated
3.5.1, 3.5.2 & 3.5.3	YSSY FPRE reference numbers updated
2.7.1 & Appendix F	Waypoint BRIGG replaced by KAGMI
2.2.3 & Appendix A	Waypoint BULOK replaced by VEKBI
3.3.1, 3.3.2, 3.4.2, Appendices H & I	Waypoint HAWKE replaced by IGUPI
3.6.2 & Appendix K	Waypoint KAREN replaced by VEKLO
2.3.3, 3.4.1, Appendices B & I	Waypoint KATEB replaced by IDRAS
3.8.1, 3.8.2 & Appendix M	Waypoint KEELS replaced by OPEGA
3.2.1 & Appendix G	Waypoint SWIFT replaced by AKROM
3.5.2 & Appendix J	Air route H12 replaced by H652 reference YSSY arrival gates
3.3.2, 3.5.1, Appendices H & J	Air route H133 replaced by H140 reference YSSY departure gates and YBBN arrival gates
3.3.2, 3.5.1, Appendices H & J	Air route H185 replaced by H252 reference YSSY departure gates and YBBN arrival gates
3.5.2 & Appendix J	Air route H202 replaced by H530 reference YSSY departure gates
3.7.2 & Appendix L	Air route Q53 replaced by Q4 reference YPAD arrival gates
3.4.1 & Appendix I	Air route Q53 replaced by Q16 reference YBCG departure gates
3.3.1, 3.6.2, Appendices H & K	Air route Q923 replaced by Q35 reference YBBN departure gates and YMML arrival gates
3.4.2, 3.7.1, Appendices I & L	Air route Y23 replaced by Y54 reference YPAD departure gates and YBCG arrival gates
3.5.1 & Appendix J	Air route Y245 replaced by Y193 reference YSSY departure gates
3.3.2, 3.4.2, 3.7.1, Appendices H, I & L	Air route Y465 replaced by Y27 reference YPAD departure gates and YBBN and YBCG arrival gates

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

This page is intentionally blank

Table of Contents

1	User Preferred Routes	7
1.1	Aircraft Equipment Requirements.....	7
1.2	Flight Planning Requirements	7
2	UPR Exclusion Zones	11
2.1	General	11
2.2	North Queensland.....	11
2.3	Brisbane Area	12
2.4	Sydney Area	12
2.5	Melbourne Area	13
2.6	Adelaide Area	13
2.7	Perth Area.....	14
3	Gates and Routes for Departures/Arrivals	15
3.1	General	15
3.2	YBCS (Cairns)	15
3.3	YBBN (Brisbane)	16
3.4	YBCG (Gold Coast)	18
3.5	YSSY (Sydney).....	20
3.6	YMML (Melbourne).....	22
3.7	YPAD (Adelaide).....	23
3.8	YPPH (Perth)	25
4	Contacts & Change Process	27
4.1	Contacts for Assistance	27
4.2	Change Process	27
Appendix A	UPR Exclusion Zone – North Queensland	29
Appendix B	UPR Exclusion Zone – Brisbane Area	31
Appendix C	UPR Exclusion Zone – Sydney Area	33
Appendix D	UPR Exclusion Zone – Melbourne Area	35
Appendix E	UPR Exclusion Zone – Adelaide Area	37
Appendix F	UPR Exclusion Zone – Perth Area	39
Appendix G	UPR Gates – YBCS (Cairns)	41
Appendix H	UPR Gates – YBBN (Brisbane)	43
Appendix I	UPR Gates – YBCG (Gold Coast)	45
Appendix J	UPR Gates – YSSY (Sydney)	47
Appendix K	UPR Gates – YMML (Melbourne)	49
Appendix L	UPR Gates – YPAD (Adelaide)	51
Appendix M	UPR Gates – YPPH (Perth)	53

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 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	<ul style="list-style-type: none"> a) UPRs must not be created in the opposite direction against ATS one-way routes: <ul style="list-style-type: none"> i) N774 between OLREL and AKALU; and ii) L521 between GEROS and LEGAN; and b) UPRs crossing ATS route N774 and/or L521 must plan to do so only once.
Great Australian Bight	<ul style="list-style-type: none"> a) UPRs must not be created in the opposite direction against ATS one-way routes: <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; b) Eastbound UPRs crossing ATS route Y53 between VIMUS and BUNGY must plan to do so at a published waypoint; and c) Westbound UPRs crossing ATS route Q158 between KROWS and CRICK must plan to do so at a published waypoint.

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	
VEKBI-GULOP	
VEKBI-TL	
EGUGO-LERKI	
EGUGO-MEPEM	
HUG-NONUM	
LERKI-NTN	
NONUM-KIMMI	Northbound only
NONUM-MEMIG	Northbound only
NONUM-MEMOS	Northbound only
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-YLLE	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 CHEWY	
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 UH224 BN	
FLATY ATROP UH224 BN	
HARVS R587 ATROP UH224 BN	
MEPEM Q144 ATROP UH224 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 ROWLO V327 IGUPI Y340 LAMUG Y177 BN	
UNVAT V327 IGUPI Y340 LAMUG Y177 BN	
EML UY409 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 R637 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 CHEWY	

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 ROWLO V327 IGUPI Y340 LAMUG Y177 GOMOL	
UNVAT V327 IGUPI Y340 LAMUG Y177 GOMOL	
EML UY409 BESBO Y177 GOMOL	
RUROX Y177 GOMOL	CG.4
KELPI Y89 BESBO Y177 GOMOL	
PONUX UH224 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 R637 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 RAZZI 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 UH226 ENPAG	

Routes (ADEP to Gate)	Refer FPRES
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 UH258 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 UH205 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 UH336 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	
BERVU CANTY H119 ML	
BORLI UQ346 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 LONELY	
AD A585 HAWKY H54 KAMBI	
AD A585 FRAZA	
AD A585 HAWKY Q8 AKDAV	
AD A585 HAWKY J58 WHA J251 OJJAY	
AD H246 DAMOB	AD.1
AD V361 SEDAN Y27 IGIPA	
AD V361 SEDAN Y27 UBDIB Y54 VENEL	
AD H247 NATYA	AD.2
AD V255 BENDO H36 KACEY	AD.2
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 ROGAS Y39 RIKAB N640 AD	
KAMBI N640 AD	
CDU V621 RIKAB N640 AD	
AKDAV Y38 RIKAB N640 AD	
OJJAY J251 WHA H84 AD	AD.3
LEC H135 AD	
ANUXU H630 NIMEK H135 AD	
MIA Q4 WOONA Q60 BLACK H309 AD	
MAXEM Q60 BLACK 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 Y15 AVNEX N752 POKIP	PH.1
PH Y15 AVNEX H16 GEL	PH.1
PH Y15 ESDEG Q587 WOLGO	PH.1
PH Y15 OSTOL	PH.1
PH Y15 ESDEG Y44 KAYOK	PH.1
PH Y15 ESDEG Y60 PALT1	PH.1
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	
BORVI B469 TOPIR L514 AVPAL Q38 PH	
PALTI 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 HAMTN Q158 PH	
MUBID Q10 HAMTN Q158 PH	
DUNDA Q32 NODEV Q10 HAMTN Q158 PH	
ESP Q158 PH	
MOLGA Q27 HAMTN Q158 PH	

3.8.3 Flight Planning Requirements and Exceptions (FPREs)

- PH.1) MNM GRAD 6% apply for airspace requirements, refer [AIP DAP](#) – AVNEX SID. ACFT unable to comply plan via AMANA.

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>.

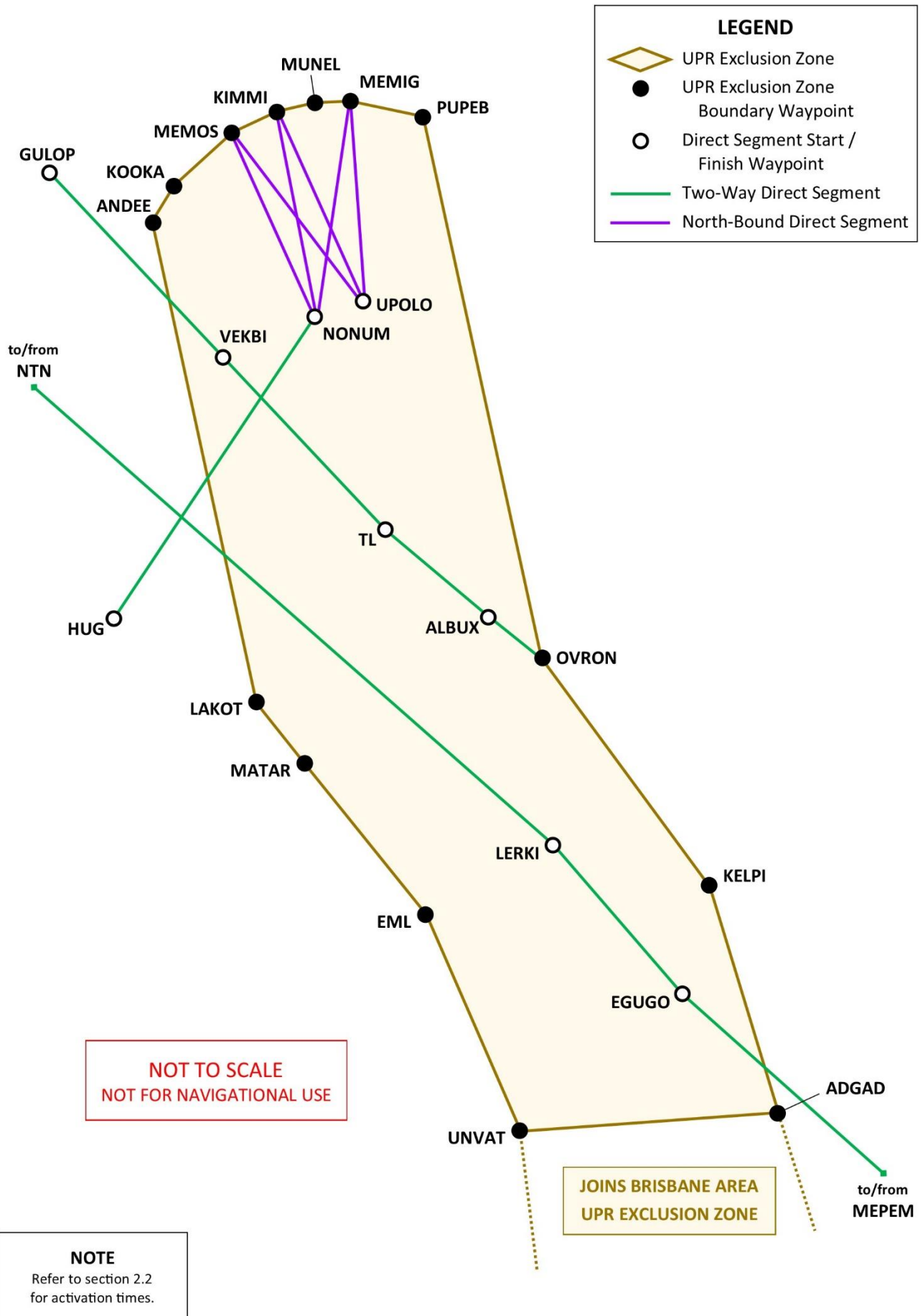
When any procedures are added/removed/amended in OARP, notification will be via publication of an AIC and the new version of OARP will be available to download from the Airservices website. Such versions may coincide with the MAP/DAH AIRAC amendments or be published with effect from any other date as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

4.2.2 Industry Requests

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

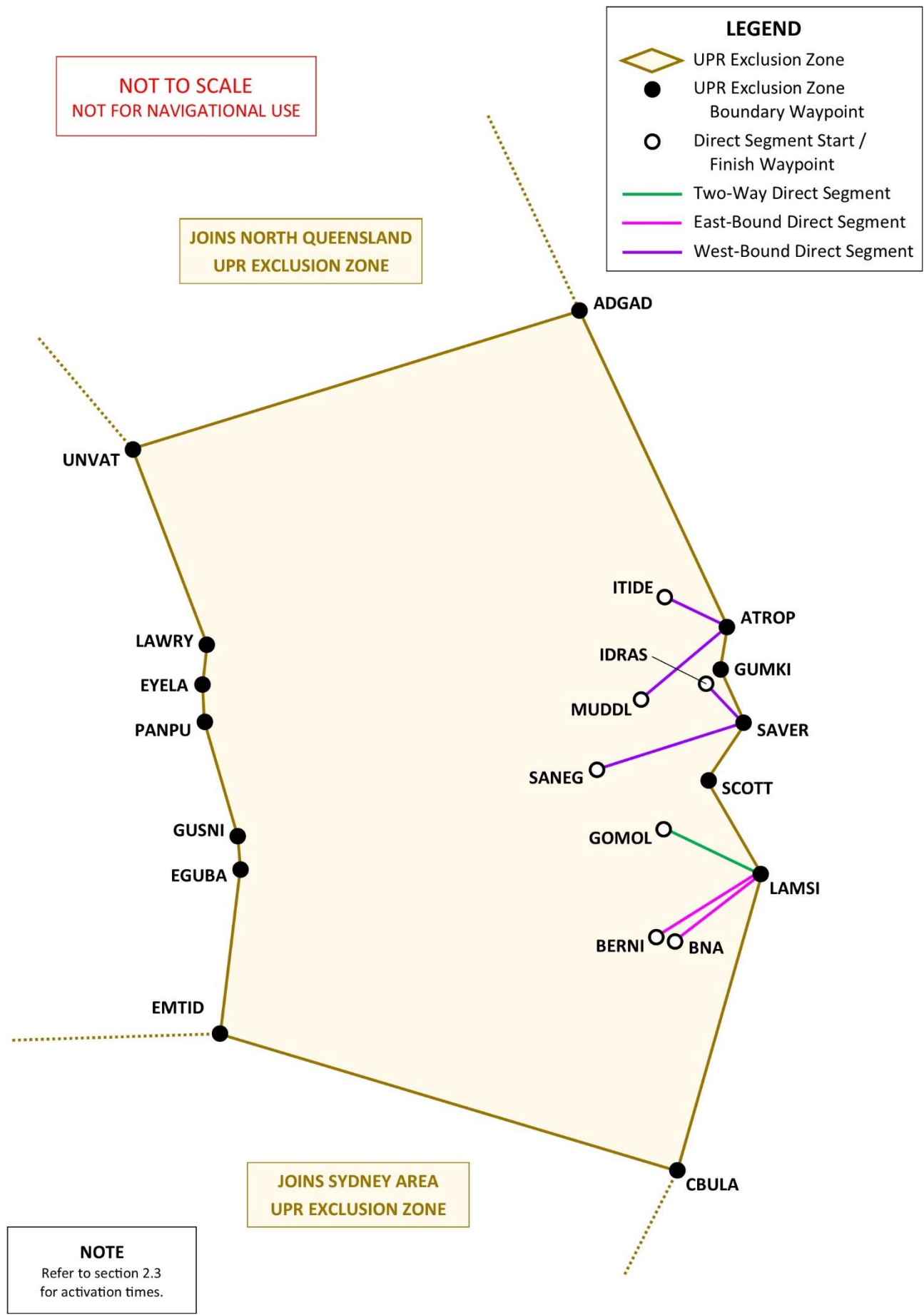
This page is intentionally blank

Appendix A UPR Exclusion Zone – North Queensland



This page is intentionally blank







Appendix B UPR Exclusion Zone – Brisbane Area

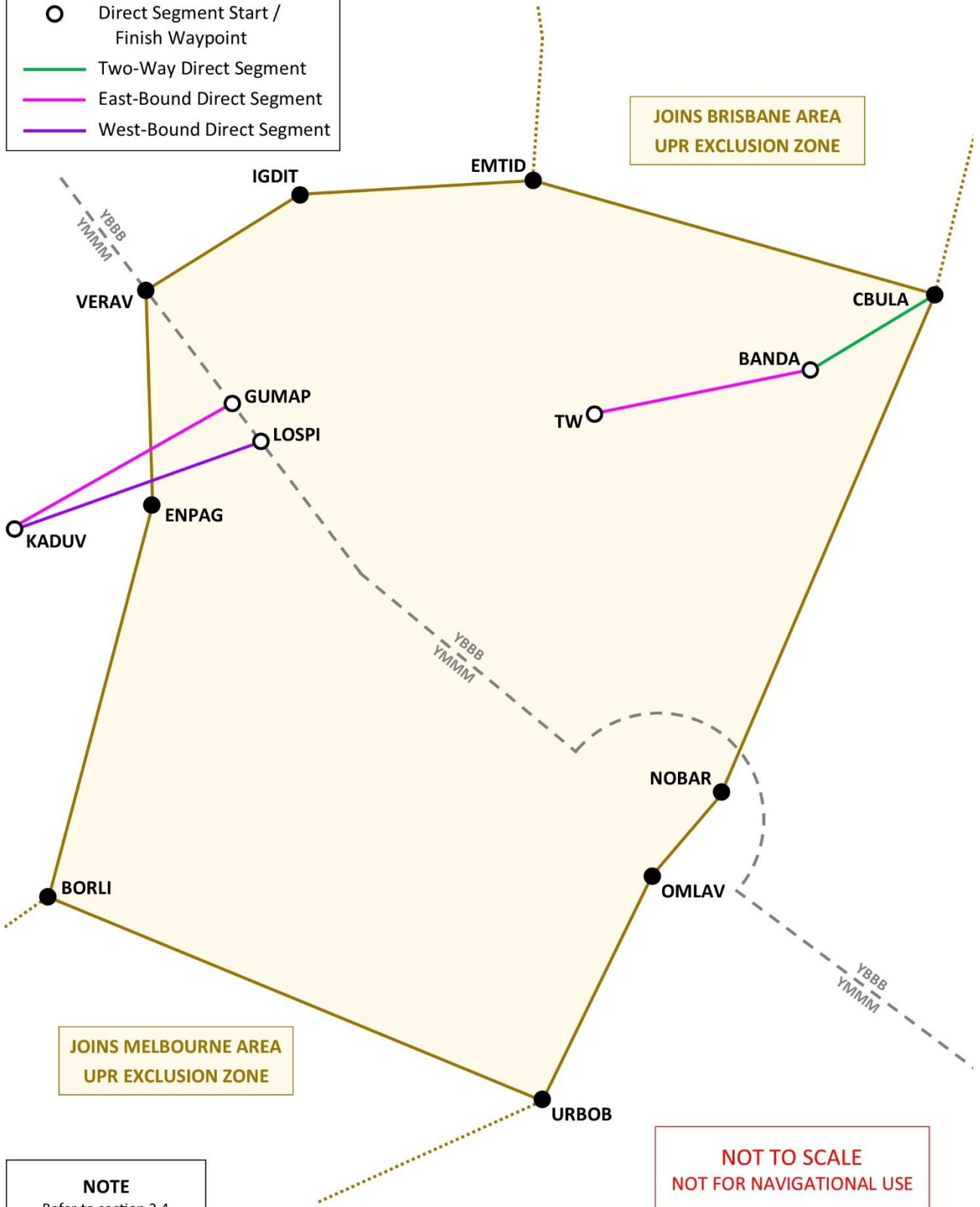


This page is intentionally blank

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

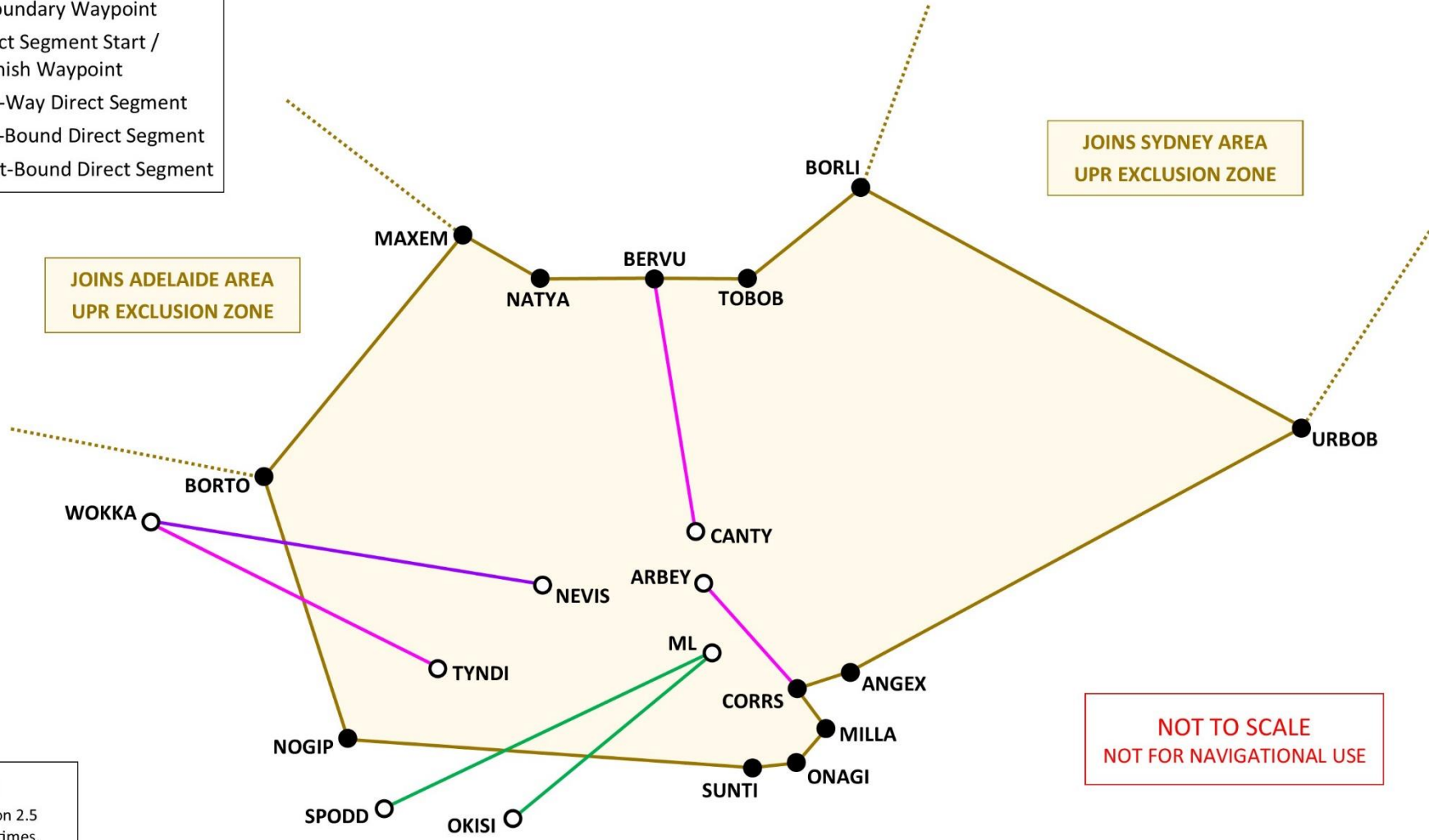
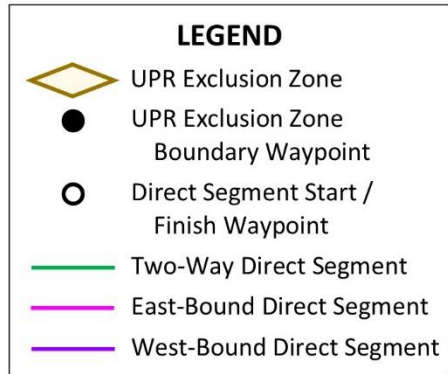


NOTE
Refer to section 2.4 for activation times.

NOT TO SCALE
NOT FOR NAVIGATIONAL USE

This page is intentionally blank

Appendix D UPR Exclusion Zone – Melbourne Area



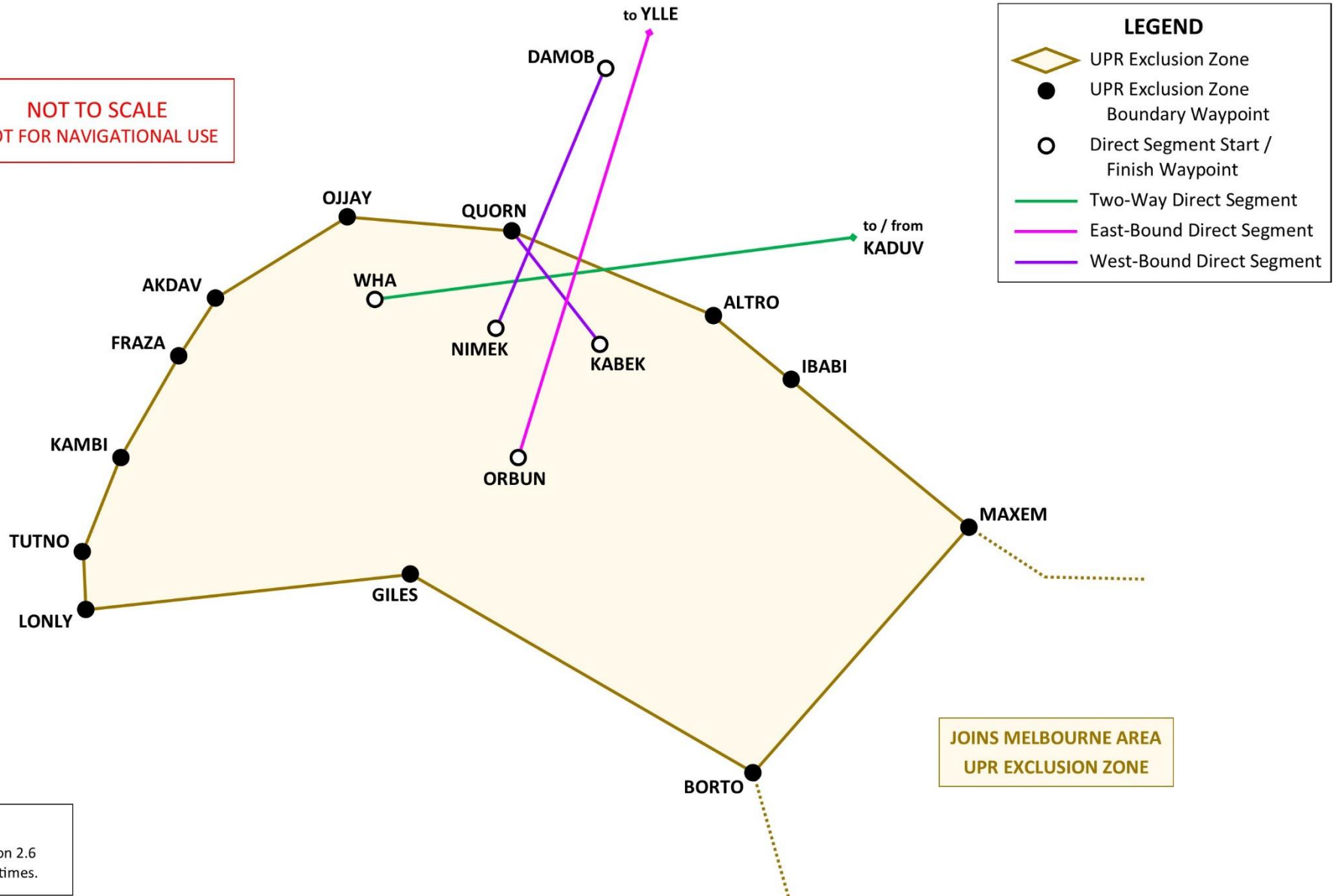
NOT TO SCALE
NOT FOR NAVIGATIONAL USE

NOTE
Refer to section 2.5 for activation times.

This page is intentionally blank

Appendix E UPR Exclusion Zone – Adelaide Area

NOT TO SCALE
NOT FOR NAVIGATIONAL USE

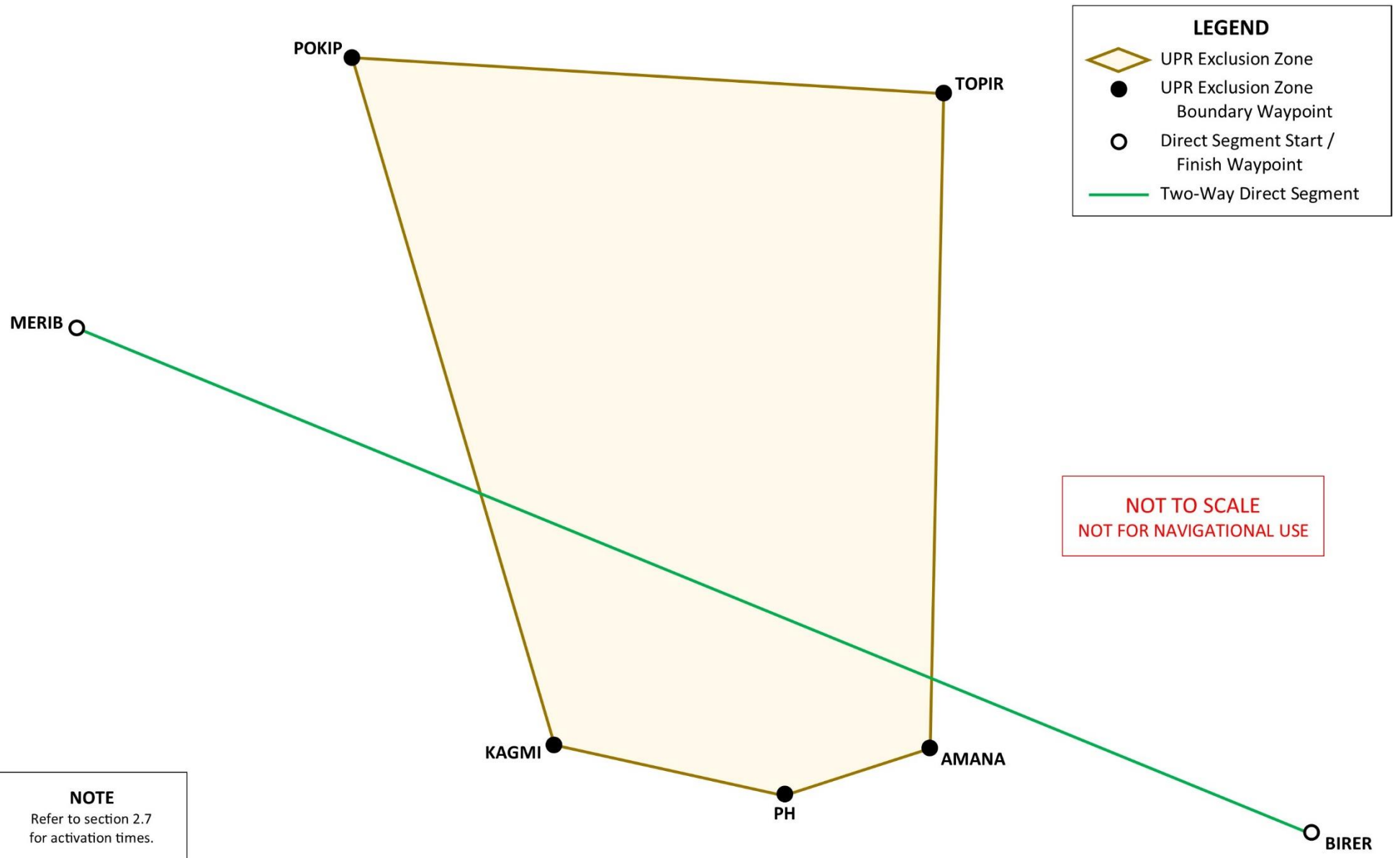


NOTE
Refer to section 2.6
for activation times.

JOINS MELBOURNE AREA
UPR EXCLUSION ZONE

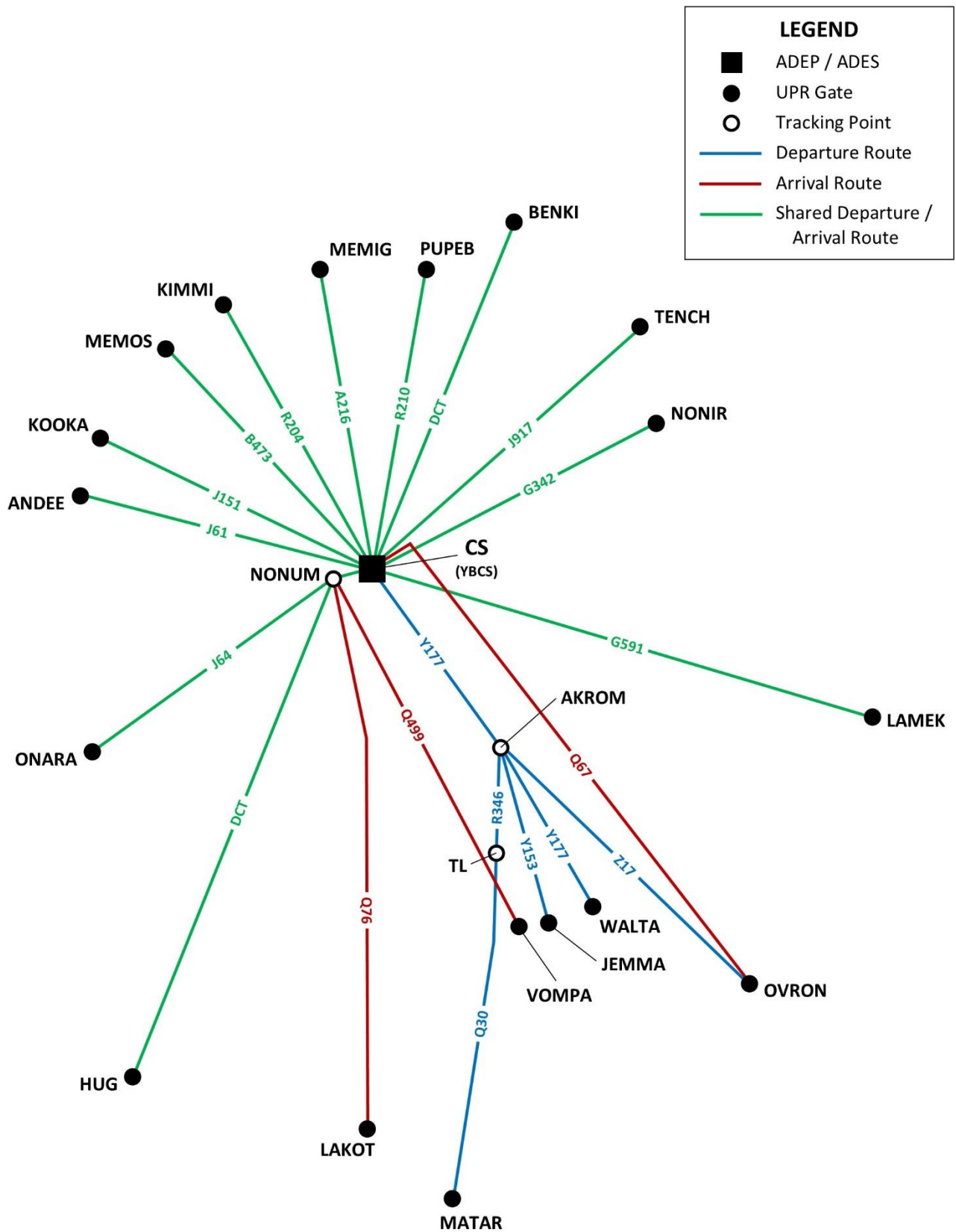
This page is intentionally blank

Appendix F UPR Exclusion Zone – Perth Area



This page is intentionally blank

Appendix G UPR Gates – YBCS (Cairns)



LEGEND

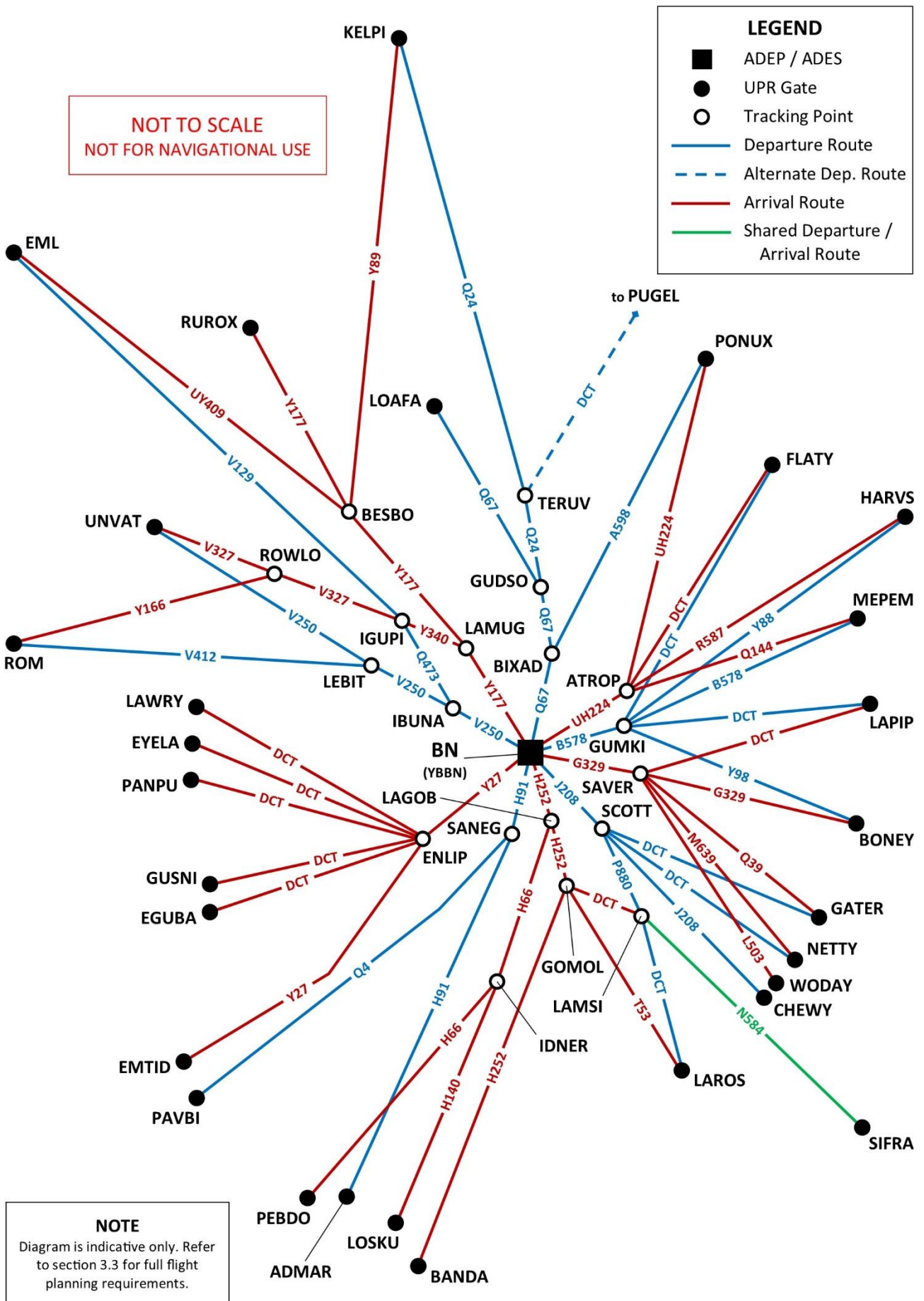
- ADEP / ADES
- UPR Gate
- Tracking Point
- Departure Route
- Arrival Route
- Shared Departure / Arrival Route

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

NOT TO SCALE
NOT FOR NAVIGATIONAL USE

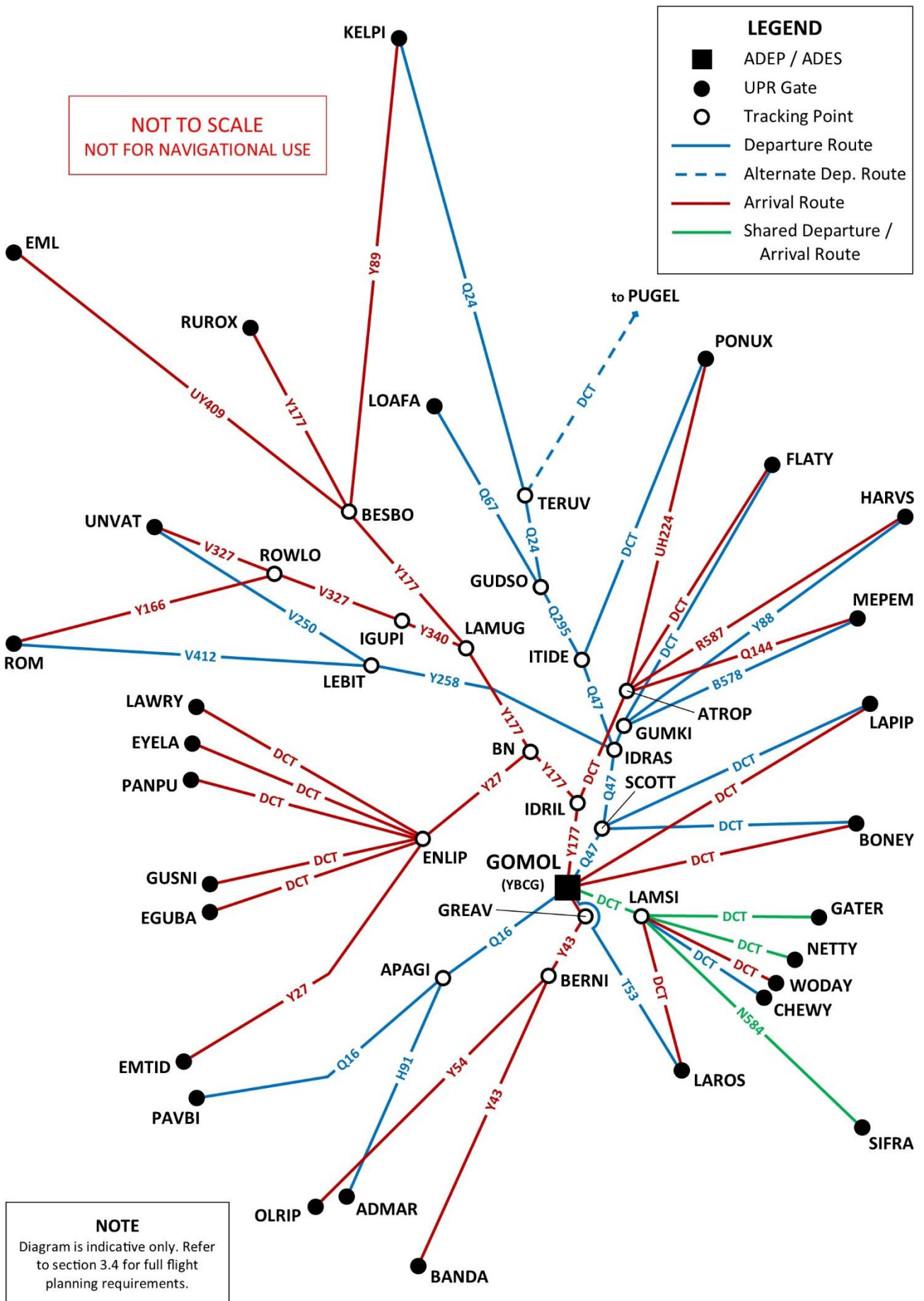
This page is intentionally blank

Appendix H UPR Gates – YBBN (Brisbane)



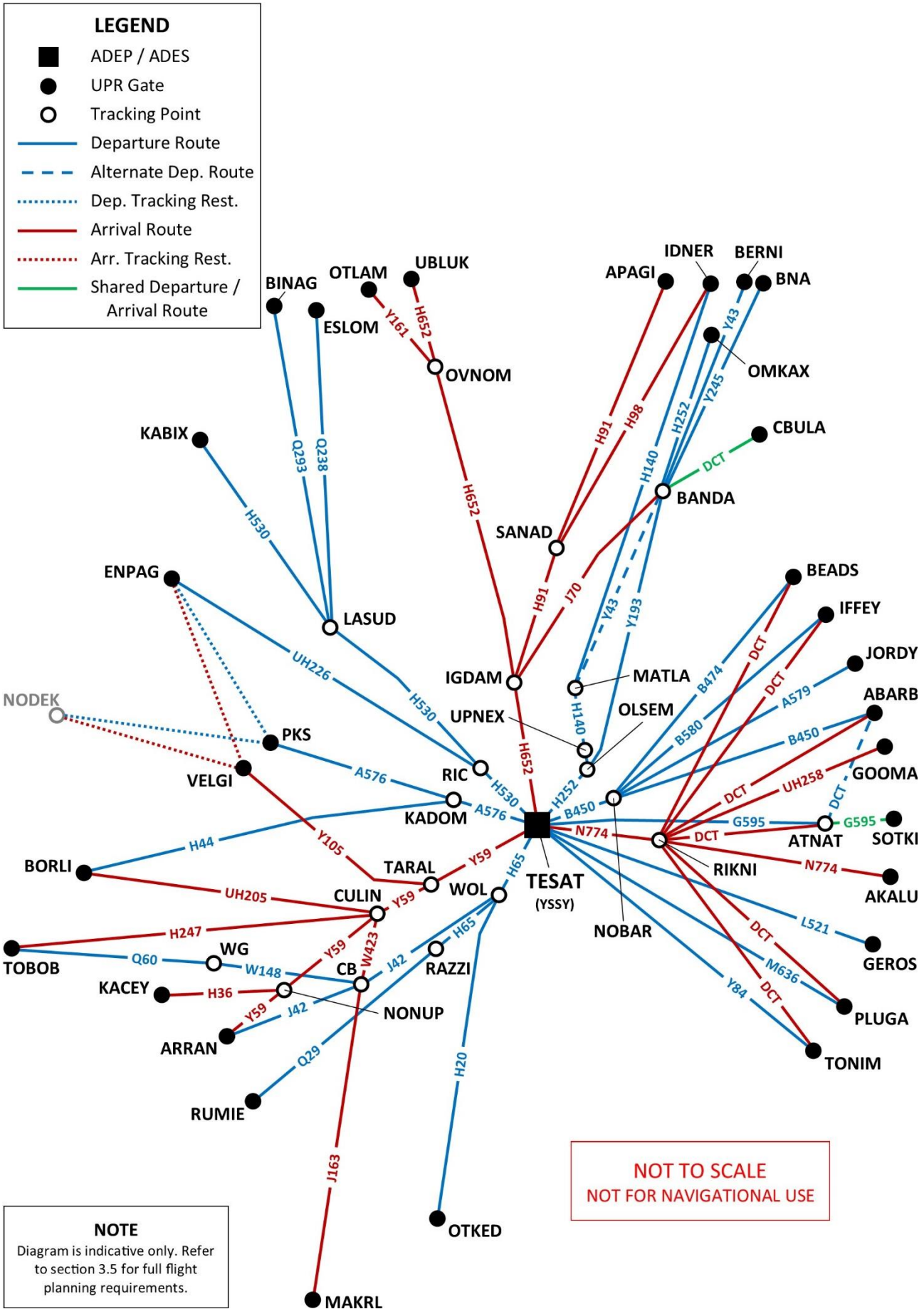
This page is intentionally blank

Appendix I UPR Gates – YBCG (Gold Coast)



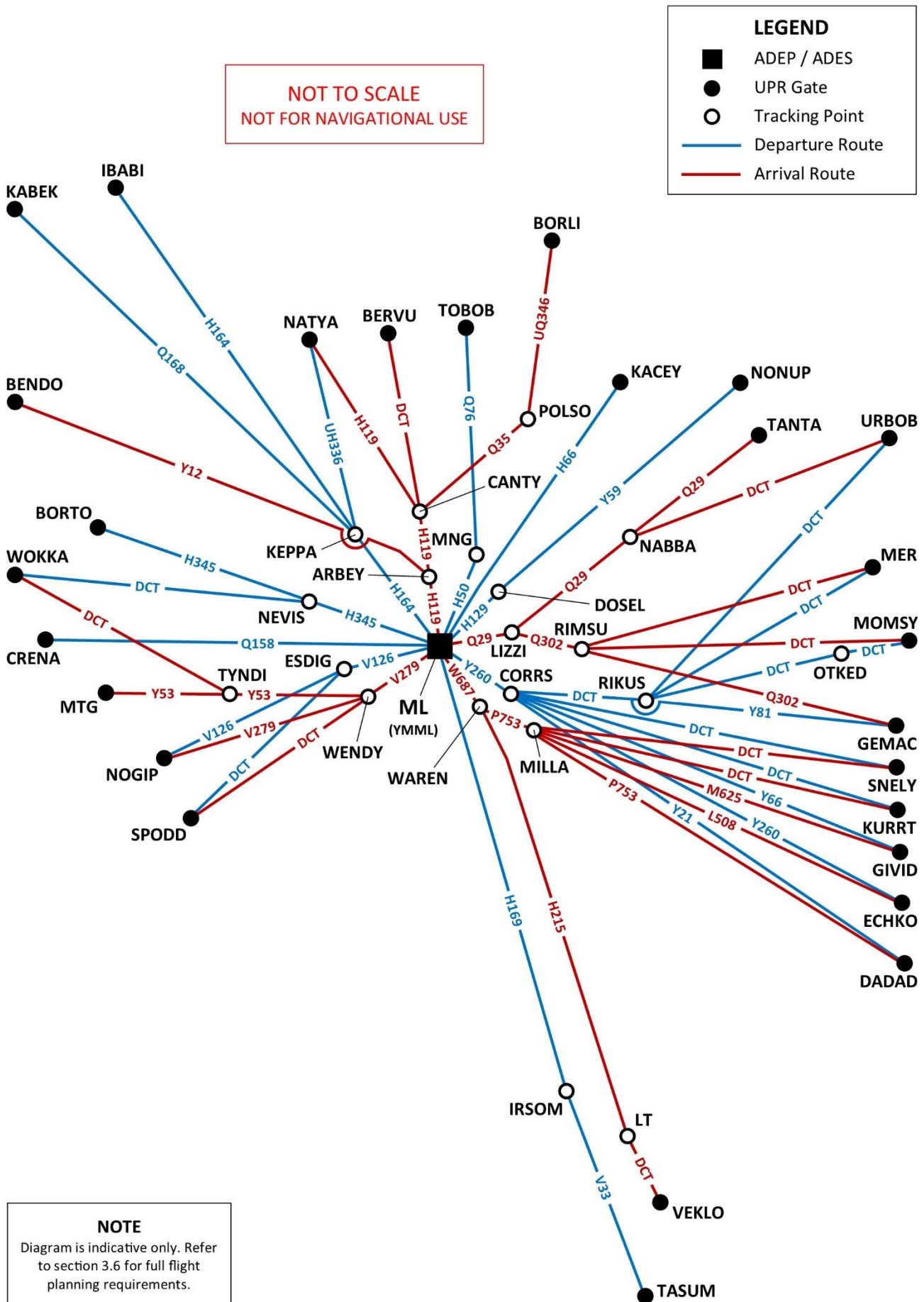
This page is intentionally blank

Appendix J UPR Gates – YSSY (Sydney)



This page is intentionally blank

Appendix K UPR Gates – YMML (Melbourne)



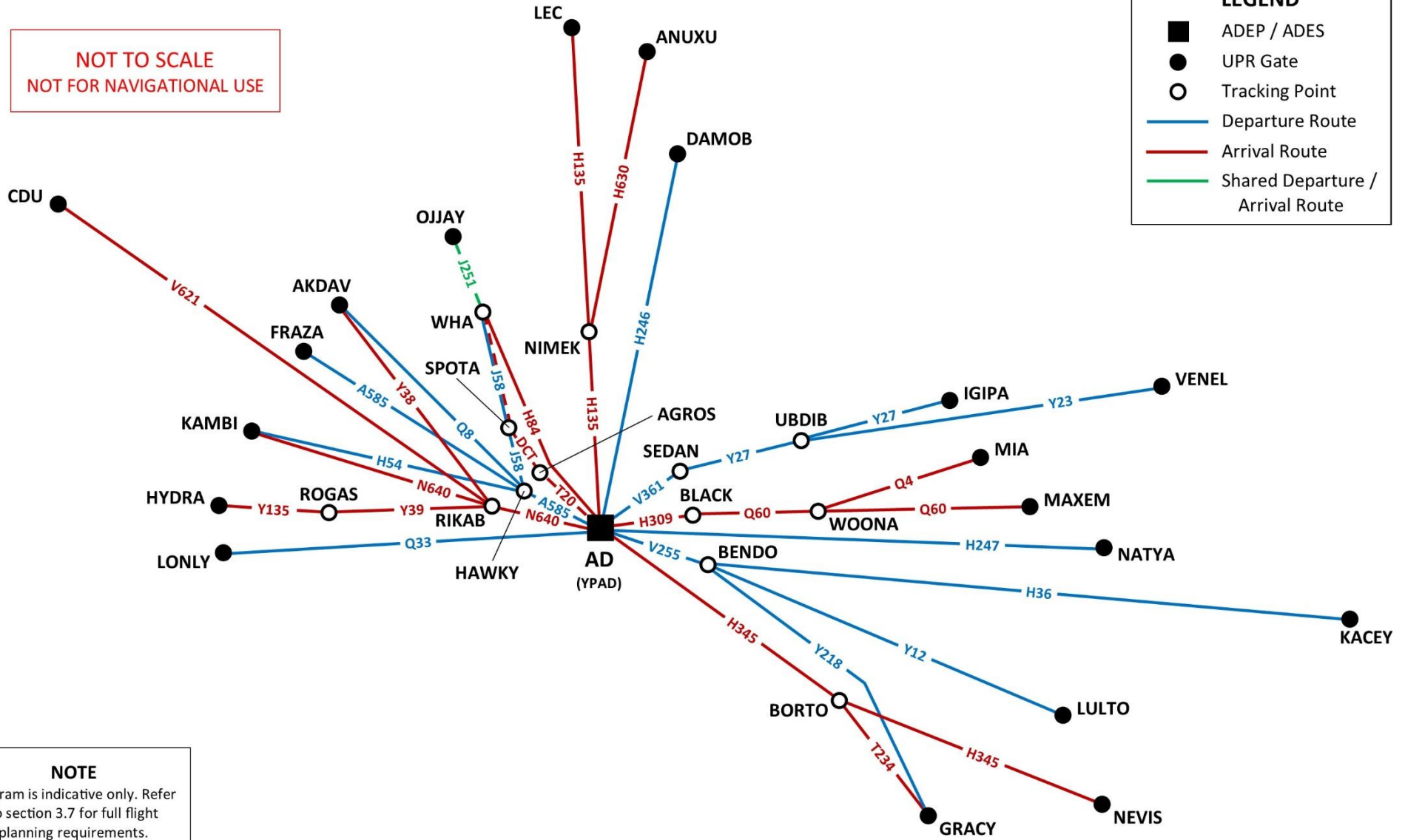
This page is intentionally blank

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



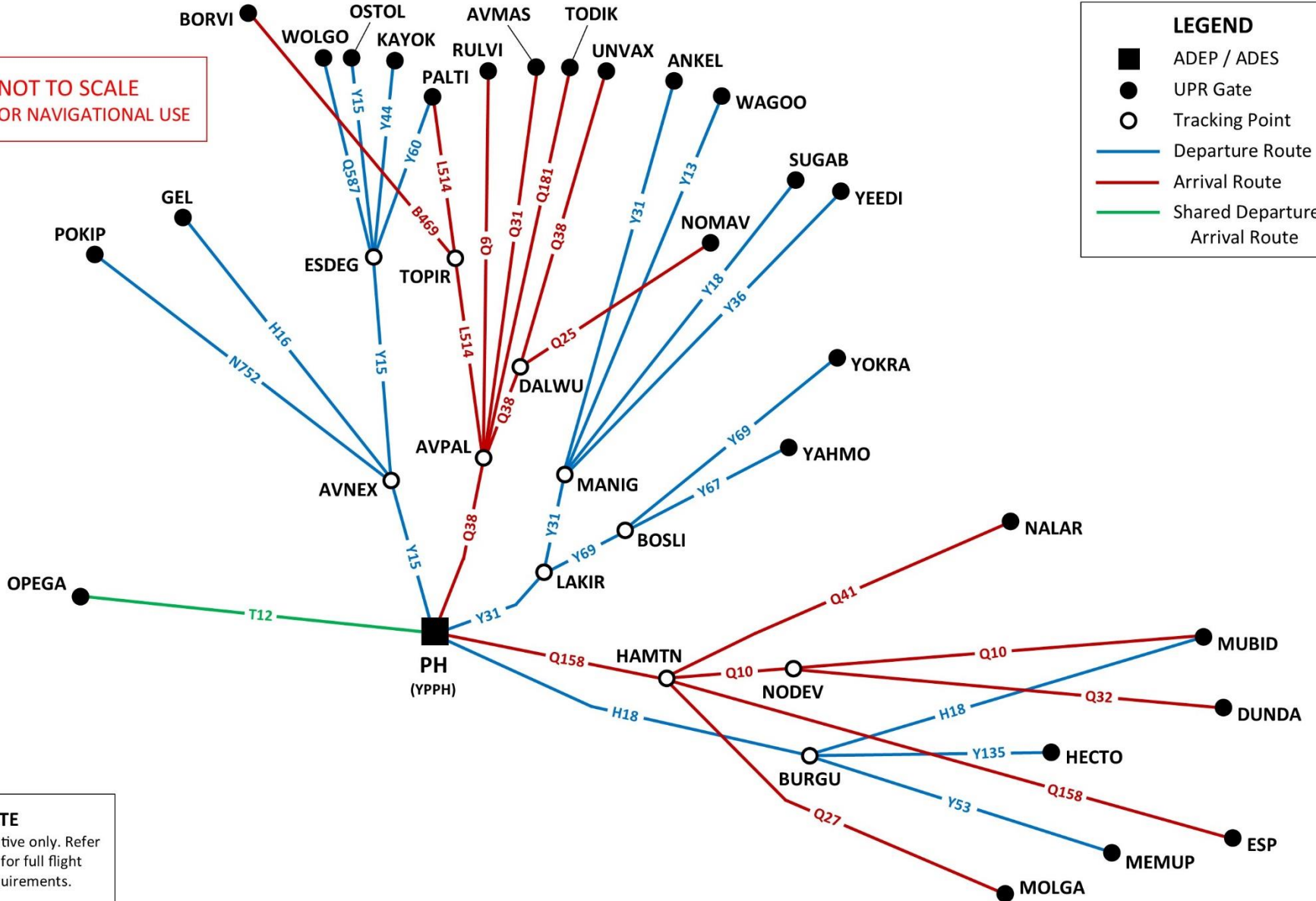
NOTE
Diagram is indicative only. Refer to section 3.7 for full flight planning requirements.

This page is intentionally blank

Appendix M UPR Gates – YPPH (Perth)

NOT TO SCALE
NOT FOR NAVIGATIONAL USE

LEGEND	
■	ADEP / ADES
●	UPR Gate
○	Tracking Point
— (Blue)	Departure Route
— (Red)	Arrival Route
— (Green)	Shared Departure / Arrival Route



NOTE
Diagram is indicative only. Refer to section 3.8 for full flight planning requirements.

This page is intentionally blank