

<b>WAYPOINT</b>	<b>STATE</b>	<b>CODE</b>	<b>LAT</b>	<b>LONG</b>
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

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<b>WAYPOINT</b>	<b>STATE</b>	<b>CODE</b>	<b>LAT</b>	<b>LONG</b>
WEST PT	QLD	WEP	190740S	1464640E
WESTERN FREEWAY	QLD	WNFE	273430S	1525642E
WESTGATE BRIDGE	VIC	WES	374947S	1445347E
WESTMAR	QLD	WMMR	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

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**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 EQUINE CENT	NSW	BJK	BURRINJUCK	NSW
ALOA	ALTONA	VIC	BKD	BUCKLAND	TAS
ALON	ALAWOONA	SA	BKIS	BLACKSMITH ISLAND	QLD
ALTS	ALTONA SOUTH	SA	BKM	BLACK MT	ACT
ANA	ANNA BAY	VIC	BKRL	BAKER LAKE	WA
ANDA	YANDARAN	NSW	BLGH	BURLEIGH HEADS	QLD
ANG	ANGLESEA	QLD	BLHS	BALD HILLS MAST	QLD
ANI	ACHERON ISLAND	VIC	BLIC	BLI BLI CASTLE	QLD
ANP	ANTILL PLAINS	QLD	BLIG	BELLINGEN	NSW
ANPL	ANNA PLAINS	QLD	BLR	BELLBROOK	NSW
AOG	ADELONG	WA	BLTB	BOLTE BRIDGE	VIC
APL	ALBERT PARK LAKE	NSW	BMK	BURRUMBUKTOCK	NSW
APM	ANM PAPER MILL	VIC	BMP	BACCHUS MARSH TOWNSHIP	VIC
APPN	APPIN	NSW	BNCG	BRISBANE CRICKET GROUND	QLD
APST	THE STAMFORD (HOTEL)	NSW	BND	BENDEMEER	NSW
ARCD	ARCADIA HS	NSW	BNE	BATMAN BRIDGE	TAS
ASST	YASS TOWNSHIP	QLD	BNG	BONEGILLA	VIC
ASU	ARUNDEL SUBSTATION	NSW	BOA	BALMORAL	VIC
ATG	ATTUNGA	NSW	BOAR	BORUMBA RESV	QLD
ATN	ATHERTON	NSW	BOAT	BOATYARD	WA
ATV	ATV10	QLD	BODD	BODDINGTON	WA
AVCA	AVOCA	VIC	BONG	BONGAREE	QLD
AWP	ARROWSMITH PT	TAS	BOON	BOONDALL ENTERTAINMENT CENTRE	QLD
BADA	BABINDA	NT	BOV	BOWRAVILLE	NSW
BAK	MOUNT BARKER	QLD	BOW	BOWNA	NSW
BANG	BANGALOW	SA	BOWB	BOWEN BRIDGE	TAS
BARB	BARBAGALLO RACEWAY	NSW	BOWN	BOWEN	QLD
BATB	BATEMANS BAY	WA	BPI	BRAMPTON ISLAND	QLD
BAW	BAYWEST	NSW	BPK	BUCKLAND PARK WEATHER RADAR	SA
BAXT	BRANXTON	VIC	BPN	BARWON PRISON	VIC
BBAY	BYRON BAY	NSW	BRGE	BARRON GORGE	QLD
BBBG	BRIBIE BRIDGE	QLD	BRH	BRUNSWICK HEADS	NSW
BBG	BROOKLYN BRIDGE	NSW	BRI	BROUGHTON ISLAND	NSW
BBH	BOTANY BAY HEADS	NSW	BRIN	BRINSMEAD	QLD
BBI	BRIBIE 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	QLD	CTT	CASTLE PT	NT
CERB	CERBERUS	VIC	CUL	CRONULLA	NSW
CES	CRESSY	TAS	CVD	CLEVELAND	QLD
CFI	CLIFFY ISLAND	VIC	CVR	CORIN RESV	ACT
CGB	CRAIGIEBURN OVERPASS	VIC	CWK	CRESWICK	VIC
CGD	CUDGEN HEADLAND	NSW	CWK	CRESWICK	VIC
CGE	COLLINGULLIE	NSW	CWST	CHOPPERS WEST	NSW
CGF	CAPE GRAFTON	NSW	CYB	CITY BEACH	WA
CGH	CLONAGH STN	QLD	CYM	CHAFFEY DAM	NSW
CGM	CONDONG MILL	QLD	DAG	DUARINGA	QLD
CGR	CAPE GAMBIER	NSW	DAIN	DAINTREE	QLD
CGR	CAPE GAMBIER	NT	DARL	DARLIMURA	VIC
CHAP	CHARLES PT	NT	DBO	DAYBORO	QLD
CHAT	CHATSWOOD CBD	NSW	DBPT	DOUBLE PT	QLD
CHI	CHANNEL ISLAND	NT	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	GOOMH	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	JARRAHDAL	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

<b>CODE</b>	<b>WAYPOINT</b>	<b>STATE</b>	<b>CODE</b>	<b>WAYPOINT</b>	<b>STATE</b>
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	MBC	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 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 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	MFBH	MOFFAT BEACH	QLD
LPT	LEE PT	NT	MFH	MOFFAT HEAD	QLD
LRAN	LAKE RASON	WA	MFN	MOUNT FUNNEL	QLD
LRF	LONG REEF	NSW	MGBH	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	RENR	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 LIGHTHOUSE	NSW	RTY	RATHDOWNEY	QLD
PSTO	PROSTON	QLD	RUIS	RUSSELL ISLAND	QLD
PTD	PORT DOUGLAS	QLD	RUSS	RUSSELL	WA
PTI	PETRIE	QLD	RVB	ROSEVILLE BRIDGE	NSW
PTOM	POINT ORMOND	VIC	RVTN	RIVERTON	SA
PUTY	PUTTY	NSW	RYB	RYDE BRIDGE	NSW
PVCT	PORT VINCENT	SA	SADD	SADDLE MT	QLD
PVS	PERCIVAL LAKES	WA	SALW	SANDALWOOD	SA
			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	SELLICKS 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 CENTRE	ACT
SMIF	SMITHFIELD	QLD			
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 CLUB	QLD
SRIN	SARINA	QLD			
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
TTLT	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 HIGH SCHOOL	SA	WPE	WALPOLE	WA
			WRD	WARRANTDYTE	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

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## 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 Aircservices 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 Landing YSCB Overflying YSCB	Via WOL WOL H65 WOL J42 CB
NORTH (ports to YBSU)	Via OLSEM FL250 and ABV: OLSEM Y193 BANDA. Vertical requirements apply refer <i>A/P DAP</i> BLW FL250 or unable to meet vertical requirements must plan OLSEM H252 UPNEX H140 MATLA
Landing YWLM	OLSEM H252 EKIPU
NORTH EAST (Routes N of G595)	
Via B474	via NOBAR B474 When M550ABCD, M670, M661 or M649 is active: via G595 ATNAT DCT DUDEP Y70 BISAB J328 ISTEM B474 or when only M550ABCD is active: OLSEM Y193 BANDA DCT VEMLA B474 (Refer <i>A/P DAP</i> for vertical requirements)
Via B580	via NOBAR B580 When M550ABCD is active: via G595 ATNAT DCT DUDEP Y70 BISAB J328 MISLY B580
Via A579	via NOBAR A579 When M550ABCD is active: via G595 ATNAT DCT DUDEP DCT UPSAD A579
Via B450	via NOBAR B450 When M550ABCD is active: via G595 ATNAT DCT ABARB B450
EAST (New Zealand Ports)	
For NZAA, NZHN For NZPM, NZWN, NZCH For NZDN, NZQN	EVONN L521 LEGAN CAWLY M636 PLUGA OPTIC Y84 TONIM
WEST	If joining T74 ACFT must plan via RIC H226 ENPAG
NORTH WEST	Via RIC H530 LASUD If R570B or D active: Plan via RIC H530 to KABIX

**1.2. Sydney Departures - Non-jet**

SOUTH	
Coastal Ports Inland Ports	Via WOL Via PEGSU
NORTH	Not to be flight planned BLW A100. Via KAMBA V258 MATLA or KAMBA V140 WLM (Tracking via WLM subject to MIL traffic during Williamtown ATS HR).
EAST	Refer Sydney Departures - Jet
WEST	Via AKMIR is NOT AVBL. Plan via KADOM or PEGSU

Via H76	When R560 is active: RIC H76 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. If R570A is active, plan AT or BLW A085 or outbound via KAMBA V258 MATLA.
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### 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 (Not to be flight planned above A100)
Via EMSUR	BK RIC H76 EMSUR <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> If R560 active: 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.
EAST	DCT TESAT then refer Sydney Departures - Jet
WEST	Via AKMIR is NOT AVBL. Plan via KADOM or PEGSU

### 1.4. Richmond Departures

SOUTH	DCT ANKUB DCT PEGSU or W430 WOL, A050 and BLW or A100 and ABV or DCT RAKSO W144 TONTO A050 and BLW RIC DCT AKMIR NOT AVBL ABV A080
NORTH via MAKOR	A090 and BLW - DCT MAKOR
EAST	DCT ANKUB DCT TESAT then refer Sydney Departures - Jet
Via H76	RIC H76 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.

**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 When M550ABCD, M670, M661 or M649 is active: ISTEM J328 MISLY DCT ABARB DCT RIKNI N774
B580	IFFEY DCT RIKNI N774 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 H65 THRU W to line ANBAN - AGETA East of line ANBAN - AGETA to coast	WOL W652 ODALE W113 at A060; W430 NOT AVBL Via AKMIR W113 Refer NORTH entry
NORTH	
Via OLTIN Via LALIB Departing YWLM	OLTIN W786 LALIB W702 OLTIN W786 WLM MONDO DCT LOWEP W786; or WLM 603 MEPIL W786 (A075 and BLW)
EAST	Refer Sydney Arrivals - Jet

**1.7. Bankstown Arrivals**

SOUTH and WEST	
Departing YSHL H65 THRU W to line ANBAN - AGETA East of line ANBAN - AGETA to coast	WOL W652 DARGI Y20 BK at A060; W430 not AVBL (Published) Routes to join V599, expect DARGI Y20 BK Refer NORTH entry
NORTH	
Via OLTIN Via ISREV	OLTIN V543 DUUKE Q155 RIC V11 BK. 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	AKMIR W713 KADOM DCT MAKOR at A070
SOUTH BOUND	MAKOR DCT KADOM W713 AKMIR at A060
A100 and ABV EAST BOUND INTL via PKS	Plan via ERC route ABV FL280, PKS A576 TESAT then Oceanic Route
From S landing YWLM	
Jets	TESAT H252 via OLSEM
Non-jets	TESAT V140 OVLUX
From N Departing YWLM	
Jets	Via LIMLO H536 NWA
Non-jets (A100 and ABV)	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	
Williamtown - 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

EAST	
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 Not to be flight planned when M550ABCD active. An alternative route must be planned NONID N774 MARLN OLSEM H252 WLM
WEST	
Via PUDUT	Plan via NORTH or SOUTH unless: Via MAKOR-PUDUT 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. 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. All ACFT FL240 and BLW must plan via TODOT Z10 ANUPA M768 DN.

**2.8. Routes affected by Restricted Area Status**

Alice Springs - Darwin 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. 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. 2. When using the PUMAK INTERCEPT a distance not less than 13 DME AS must be maintained until established on the localiser.
<p><i>Note: The following route segments in the Ayers Rock area are not to be flight planned without prior approval:</i>                      Y69 between UPRUN and VIPAR                      T47 between AYE NDB and RURAP                      Y93 between VIPAR and AS VOR</p>	

**2.10. Alice Springs Air Route Restrictions**

T85	ACFT must not flight plan via SCHEE when arriving or departing YBAS. T85 must only be flight planned when overflying YBAS AT or ABV FL190.
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**3. QUEENSLAND**

**3.1. Brisbane Departures - Jets**

<b>NORTH</b>	
To North	Via Q67 BIXAD
To North East	Via Q67 BIXAD A598 PONUX 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 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 (ACFT at or BLW 5,700KG MTOW)	Via BUGNU W247 SU DCT
Destination YBSU (ACFT ABV 5,700KG MTOW)	Via ITIDE Q69 SU DCT
<b>EAST</b>	
To East or South East	Via B578 GUMKI 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 Additional route available for thunderstorm avoidance: 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 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 (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) intercept ATS route Q35 at ISKIM (Melbourne) 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. 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 For W660 and Charters Towers (YCHT).	Expect departure clearance via ANRUB then to rejoin published track at next reporting point.
Departures For W469, W637, W265, W528 and J184.	Expect departure clearance via ANRUB Q71 DOBGO then to rejoin published track at next reporting point.
Arrivals For W660 and Charters Towers (YCHT).	Expect arrival clearance via BATIR VOMPA TL.
Arrivals For W469, W637, W265, W528 and J184.	Expect arrival clearance via HUG Y34 BATIR VOMPA TL.
Northern Diversion	
Departures For J138, W841 and Z51.	Expect departure clearance via CARMN (W387) KIBOP then to rejoin published track at next reporting point.
Arrivals 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 For W660 and Charters Towers (YCHT).	Flight plan via ANRUB then to rejoin published track at next reporting point.
Departures For W469.	Flight plan via ANRUB EGOPI then to rejoin published track at next reporting point.
Arrivals For W660, W469 and Charters Towers (YCHT).	Flight plan via BATIR VOMPA TL.



Northern Diversion	
Departures For J138, J184, W637, W265, W528, W841 and Z51.	Flight plan via TARET then to rejoin published track at next reporting point.
Arrivals 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 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 (YBMK, YBPN and YBTL arrivals)	Q67 GLA RK TARES WELKE V308
W889 (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. (Landing jets to FPL: MIA Q4 WOONA Q60 KAKLU).
A585 Ceduna - FRAZA	Not AVBL for ACFT landing at Adelaide, Parafield or Edinburgh. (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) Via GILES Via EEMUE to (YKSC)	
To North West	Via HOLIT RUKNA (Non-jet only) Via AREPA	
To North	R265 areas: Not Active	Via ORBUN
	R265 areas: Active RA1	Via ORBUN Pilots should expect that ATC may issue deviations with vectors or via: - W238 to ACTIN - AREPA J58 to WHA - W426 to UNSOX

cont.	R265 areas: Active RA2	Via ORBUN for the following destinations only: - YBCS - YBEE - YBTL - YLLE - YOOM Pilots should expect that ATC may issue deviations with vectors or via: - W238 to ACTIN - AREPA J58 to WHA - W426 to UNSOX 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 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 Edinburg IFR Arrivals**

IFR flights arriving Parafield and Edinburg must plan via Adelaide after passing inbound points shown in the table below.

From West and South West		Via ATNAR Via V175 (from YKSC)
From North West	Via MARGO  (unless a SPOTA condition is met)	Via SPOTA (on J58) - AGROS - AD if any of the following conditions are met: R292C or D or F active ABV A045, or R292E active ABV A085, or Aircraft in Class G airspace which will conflict (vertically or laterally) with any active R292 areas.
<p><i>Note: For flights in CTA transiting abeam R292 areas, MARGO - AD provides required ATC lateral separation in respect to R292A-B          Flights planning via SPOTA can expect a STAR clearance to provide required ATC lateral separation with R292 areas.</i></p>		
From North	R265 areas: Not Active	Via KLAVA
	R265 areas: Active RA1	Via KLAVA Pilots should expect that ATC may issue deviations with vectors or via: - ACTIN V432 - ASILI H84 - DOTBO W325

	R265 areas: Active RA2	Via KLAVA for arrivals from the following destinations only: - YBCS - YBEE - YLLE - YOOM Pilots should expect that ATC may issue deviations with vectors or via: - ACTIN V432 - ASILI H84 - DOTBO W325 Other traffic plan in accordance with 'From North West' and 'From North East and East' ARR requirements. Traffic may plan via DOTBO W325
From North and East	Via W325 Via KAKLU	
From South East	Via H345 Via V259 (Non-jet only)	
<p><i>Note: Aircraft may plan the following exceptions</i>                  - AGROS DCT AD, not above A050, or at any level if departing from an aerodrome within 10NM of AGROS.</p>		

**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**

<b>Active Areas</b>	<b>to/from CBP</b>	<b>to/from YOLD</b>	<b>to/from GOMUL</b>
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**

<b>Active Areas</b>	<b>to/from CBP</b>
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 <b>and</b> R260B <b>and</b> 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) Via H129 DOSEL W569 BOGES (Non-jet ACFT) Via H50 MNG Via H66 NONIX
To West or NW:	Via H164 KEPPA (Jet ACFT) Via V376 DOTPA (Non-jet ACFT) Via V126 ESDIG Via Q158 CRENA Via H345 NEVIS Via V223 OMKON
To South:	Via H169 SUNTI Via W405 KII Via W15 AV
To East:	Via Y260 CORRS (See Note)* 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) Via ML H129 DOSEL W569 BOGES (Non-jet ACFT) Via ML H50 MNG Via ML H66 NONIX
To West or NW:	Via ML H164 KEPPE (Jet ACFT) Via ML V376 DOTPA (Non-jet ACFT) Via V126 Via V126 ESDIG Via Q158 CRENA Via H345 NEVIS Via V223 OMKON
To South:	Via H169 SUNTI Via W405 KII Via W291 SAMIG Via W422 TEMPL W15 AV Via W382 MB W562 ONAGI (Not ABV A075)
To East:	Via ESDAN DCT CORRS (See Note) * 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) Via W661 ML H129 DOSEL W569 BOGES (Non-jet ACFT) Via W661 ML H50 MNG Via W661 ML H66 NONIX Via W188 TEMIS (Not ABV A090)
To West or NW:	Via W661 ML H164 KEPPE (Jet ACFT) Via W661 ML V376 DOTPA (Non-jet ACFT) Via W661 ML H345 NEVIS Via W661 ML V223 OMKON Via W635 AV (single engine ACFT may plan W661 ML Via V126 ESDIG) Via W449 SAMIG
To South:	Via W468 SUNTI Via W538 or W673 (to KII) 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) Via TEMIS V169 (Non-jet ACFT)
From North or NW:	Via ARBEY Via MNG W477 BELTA H119 (Not ABV A080) If OPN RQ for ABV A080, contact ATC on 03 9235 7337 for approval) YMIA departures: Via MIA H102 NATYA H119 ARBEY
From West:	Via ARBEY Via WENDY
From South:	Via MENOG W405 Via AV W190 Via ONAGI H215 WAREN

From East:	Via GEMAC Q302 LIZZI Via MILLA P753 WAREN Via MOZZA DCT WAREN Via DUNNE V650 BADGR
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### 6.5. Essendon - IFR Arrivals

From Northeast:	Via LUVAS Q205 COLDS V512 ESDAN (Jet ACFT) Via TEMIS W188 COLDS V512 ESDAN (Non-jet ACFT)
From North or NW:	Via ARBEY H119 ML DCT ESDAN Via SHT V222 LACEY W188 COLDS V512 ESDAN Via MNG W481 LACEY W188 COLDS V512 ESDAN Via MNG W477 BELTA H119 ML DCT ESDAN - Prior ATC approval required Via MNG MONTY at A050 or LSALT A041 - AVBL for OPN RQ due low freezing LVL with prior ATC approval 03 9235 7337 YMIA departures: Via MIA H102 NATYA H119 ML DCT ESDAN
From West:	Via ARBEY H119 ML DCT ESDAN (high level RNAV or RNP) Via WENDY W382 ESDAN
From South:	Via MENOG DCT ESDAN Via AV W15 TEMPL W422 ESDAN Via ONAGI H215 WAREN W495 MONTY V512 ESDAN
From East:	Via ANGEX N759 ML ESDAN Via MILLA P753 WAREN W495 MONTY V512 ESDAN Via MOZZA V588 MONTY V512 ESDAN Via DUNNE V434 MONTY V512 ESDAN

**6.6. Moorabbin - IFR Arrivals**

From Northeast:	Via LUVAS Q205 COLDS W188 MB (Jet ACFT) Via TEMIS W188 MB (Non-jet ACFT)
From North or NW:	Via ARBEY H119 ML W661 MB Via SHT V222 LACEY W188 MB Via MNG W481 LACEY W188 MB Via MNG W477 BELTA H119 ML W661 MB - prior approval required 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) Via AV W635 MB (single engine ACFT may plan via WENDY W382 MB)
From South:	Via TAITE W538 MB or via ALPAL W673 MB Via ONAGI H215 WAREN W449 MB Via ONAGI W562 MB (Not ABV A075)
From East:	Via BULKO W449 MB Via DUNNE V434 MONTY W188 MB 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 (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. 2. MNM GRAD 6% apply for airspace requirements (Ref: <i>AIP DAP - AVNEX SID</i> ). 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. 2. MNM GRAD ABV 5% apply for airspace requirements (Ref: <i>AIP DAO - OTLED SID</i> ). 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 via AMANA Y31 LAKIR Y69 BOSLI
NORTH/EAST	Non-jet only A090 and ABV	via REPOK Z87 AVGIK Z23 KATCM or via REPOK Z87 VILOD or 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 (Remains AVBL when M181, M171AB 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 via MALUP Z52 LAVEX
EAST & SOUTH 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 R131ABCDEFGF, 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 R131ABCDEFGF. 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 From other aerodromes to YGEL From YGEL to YGGE From YGEL to other aerodromes	ENVOS W159 GEL DCT PAGTA W159 GEL DCT DCT GEL W159 YGGE DCT GEL W159 PAGTA	DCT SHYNN GEL DCT  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 From YGEL to YGGE and other aerodromes	DCT SHYNN GEL DCT  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	YMML			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 If R570C or D active: 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 If R570C or D active: 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 (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 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 W786 TESAT DCT
		%	H1	DCT GUMBA Q607 UPMOG Q872 ALDAR DCT ADMAR H91 IGDAM H652 TESAT DCT
YBWX	YPPH	%		DCT VENGA Y208 BORVI B469 TOPIR L514 AVPAL Q38 PH DCT
		>		DCT VENGA Y208 BORVI B469 TOPIR W206 OVLUK V16 WOORA Q38 PH DCT

YCAR	YPPH	>		DCT CAR B469 TOPIR W206 OVLUK V16 WOORA Q38 PH DCT
		>		DCT CAR W14 OTKUN PH DCT (refer GEN-FPR para 7)
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 GEN-FPR para 7)
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 (Restriction NOT ABV FL200 CB-AKMIR)
				DCT SOVRU W222 CB W122 AKMIR W113 ODALE DCT (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 GEN-FPR para 7)
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 KEPPA 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 If R570C or D active 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	WPDL			DCT DN J61 IKUMA Z86 DIL DCT (ABOVE F240)
YPDN	WPDL			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 NOMAX 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 GEN-FPR para 7)
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	YBWX	%		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 (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 WONUY V35 NWN DCT
		>		DCT PH Z19 MURCH Y31 WONUY 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 LIDL I 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 LIDL I 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	YMML			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