

ENR 3. ATS ROUTES

ENR 3.1 LOWER AND UPPER ATS ROUTES

Route designator (RNP type) Name of significant points Coordinates	Track MAG (GEO) VOR RDL DIST (COP)	Upper limits Lower limits or Airspace classification Minimum flight altitude	Lateral limits NM	Direction of cruising levels		Remarks Controlling unit Frequency
				Odd	Even	
1	2	3	4	5		6
A1						
▲ BANGKOK DVOR/DME (BKK) 135337N 1003546E	071° 251°	FL 460 7 500 FT	10	↓		Longitudinal separation between aircraft 10 min. One way system will be applied for a portion between BKK DVOR/DME and UBL DVOR/DME as follows: - ATS route A1 will apply for eastbound traffic only - Westbound traffic shall filed flight plan via W1 after UBL - The available for westbound traffic on A1 or direct route will be subject to prior approval from ATC
▲ ROBKA 141043N 1012508E	51.0 NM	Class A 8 000 FT				
▲ SELKA 142020N 1015311E	071° 251°	29.0 NM				
▲ TOPER 143808N 1024538E	071° 251°	54.0 NM				
△ SANOT 145134N 1032548E	075° 255°	41.0 NM				
▲ PASAT 145727N 1034726E	075° 255°	22.0 NM				
▲ UBON DVOR/DME (UBL) 151443N 1045157E	075° 255°	65.0 NM		↓		
▲ BUTRA 152506N 1053546E	077° 257°	FL 460 9 500 FT Class A 10 000 FT				
For flight planning procedure, see ENR 1.10.						

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST (COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
A202 <u>RAMEI</u> ▲ 150240N 1030040E <u>GUROK</u> ▲ 160329N 1041106E <u>OKENA</u> ▲ 161608N 1042533E SAVANNAKHET DVOR/DME (SAV) ▲ 163342N 1044556E	 049° 229° 91.0 NM 049° 229° 19.0 NM 048° 228° 26.0 NM	 <u>FL 460</u> 12 500 FT/FL 125 Class A 13 000 FT/FL 125 <u>FL 460</u> <u>6 500 FT</u> Class A 7 000 FT	 (*) 	 ↓ ↑	 10 min longitudinal separation between aircraft applying Mach Number Technique. (*) For width of airways, see ENR 2.1-1 For continuation, see AIP Lao People's Democratic Republic.
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST (COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
A334 HAT YAI DVOR/DME (HTY) ▲ 065603N 1002316E PASVA ▲ 061529N 1020431E	 112° 292° 108.0 NM	 FL 460 9 500 FT Class A 10 000 FT	 20	 ↓ ↑	 10 min longitudinal separation between RNAV equipped aircraft apply Mach Number Technique. 15 min longitudinal separation between other aircraft. For continuation, see AIP Malay- sia.
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST (COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
A457 <u>HAT YAI DVOR/DME (HTY)</u> ▲ 065603N 1002316E <u>TAMOS</u> ▲ 063208N 1002407E	178° 358° 24.0 NM	FL 460 9 500 FT Class A 10 000 FT	20	↓ ↑	Longitudinal separation between aircraft 15 min.
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST (COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
<p>A464</p> <p>CHIANG MAI DVOR/DME (CMA) ▲ 184558N 0985740E</p> <p>ENBAT ▲ 180941N 0991004E</p> <p>TOPAS △ 172916N 0992358E</p> <p>BEKOD ▲ 162117N 0994636E</p> <p>SEMBO ▲ 145359N 1001548E</p> <p>BANGKOK DVOR/DME (BKK) ▲ 135337N 1003546E</p> <p>POLAK △ 132106N 1003454E</p> <p>GUTSO ▲ 124820N 1003454E</p> <p>REGOS ▲ 120007N 1003454E</p> <p>DIRAX △ 110007N 1003248E</p> <p>TUSPU ▲ 101948N 1003108E</p> <p>UPNEP ▲ 094213N 1002936E</p> <p>APOBI ▲ 090147N 1002814E</p> <p>GUPMO ▲ 085012N 1002750E</p> <p>RELIP ▲ 080432N 1002619E</p> <p>HAT YAI DVOR/DME (HTY) ▲ 065603N 1002316E</p> <p>KARMI ▲ 062940N 1003121E</p>	<p>163° — 343°</p> <p>38.0 NM</p> <p>163° — 343°</p> <p>42.0 NM</p> <p>163° — 343°</p> <p>71.0 NM</p> <p>163° — 343°</p> <p>91.0 NM</p> <p>163° — 343°</p> <p>63.0 NM</p> <p>182° — 002°</p> <p>32.0 NM</p> <p>181° — 001°</p> <p>33.0 NM</p> <p>181° — 001°</p> <p>48.0 NM</p> <p>182° — 002°</p> <p>60.0 NM</p> <p>183° — 003°</p> <p>40.0 NM</p> <p>183° — 003°</p> <p>37.0 NM</p> <p>182° — 002°</p> <p>40.0 NM</p> <p>182° — 002°</p> <p>12.0 NM</p> <p>182° — 002°</p> <p>46.0 NM</p> <p>183° — 003°</p> <p>68.0 NM</p> <p>163° — 343°</p> <p>27.0 NM</p>	<p>FL 460 — 6 500 FT</p> <p>Class A</p> <p>7 000 FT</p> <p>FL 460 — 3 500 FT</p> <p>Class A</p> <p>4 000 FT</p> <p>FL 460 — 8 500 FT</p> <p>Class A</p> <p>9 000 FT</p>	<p>20</p>	<p>↓</p> <p>↑</p>	
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates	Track MAG (GEO) VOR RDL DIST (COP)	Upper limits	Lateral limits NM	Direction of cruising levels		Remarks Controlling unit Frequency
		Lower limits or Airspace classification Minimum flight altitude		Odd	Even	
1	2	3	4	5		6
A581						For continuation, see AIP Republic of the Union of Myanmar.
<u>BOMAS</u> ▲ 172305N 0980549E	082° 262° 39.0 NM	FL 460 10 500 FT Class A FL 110	10	↓		Longitudinal separation between aircraft 10 min.
<u>TATEL</u> ▲ 172905N 0984549E	009° 189° 39.0 NM					
<u>GOGOP</u> ▲ 180813N 0985150E	009° 189° 38.0 NM					
<u>CHIANG MAI DVOR/DME (CMA)</u> ▲ 184558N 0985740E	037° 217° 25.0 NM	FL 350 7 500 FT Class A 8 000 FT				
<u>ADLUS</u> ▲ 190610N 0991320E	037° 217° 33.0 NM					
<u>NUMDO</u> ▲ 193243N 0993402E	037° 218° 30.0 NM					
<u>CHIANG RAI DVOR/DME (CTR)</u> ▲ 195654N 0995300E	053° 233° 36.0 NM	FL 460 6 500 FT Class A 7 000 FT				
<u>PONUUK</u> ▲ 201858N 1002306E					↑	
For flight planning procedure, see ENR 1.10.						

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST (COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
B202 UBON DVOR/DME (UBL) ▲ 151443N 1045157E PAKSE VOR/DME (PAK) ▲ 151148N 1054417E	 093° 273° 51.0 NM	 FL 460 FL 260 Class A FL 270	 (*)	 ↓ ↑	 Longitudinal separation between aircraft 15 min. (*) For width of airways, see ENR 2.1-1. For continuation, see AIP Lao Peo- ple's Democratic Republic.
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
B204 GOMES ▲ 132406N 1013506E AGEDO ▲ 132419N 1022139E	 090° 270° 45.0 NM	 FL 460 FL 135 Class A FL 140	 (*)	 ↓	Longitudinal separation between aircraft 10 min. (*) For width of airways, see ENR 2.1-1.
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
B205 <u>RAYONG DVOR/DME (RYN)</u> ▲ 124648N 1014042E <u>OLDIR</u> ▲ 125401N 1021325E <u>BOKAK</u> ▲ 125736N 1022947E	 078° 258° 33.0 NM 078° 258° 16.0 NM	 FL 460 FL 155 Class A FL 160	 (*)	 ↓ ↑	Longitudinal separation between aircraft 10 min. (*) For width of airways, see ENR 2.1-1.
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST (COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
B218 <u>VIENTIANE DVOR/DME (VTN)</u> ▲ 180037N 1023226E <u>NOGAD</u> ▲ 173834N 1020021E <u>LOEI DVOR/DME (LOY)</u> ▲ 172649N 1014323E <u>BOVGO</u> ▲ 170740N 1014935E <u>CHUM PHAE DVOR/DME (CMP)</u> ▲ 163811N 1015905E	 235° 055° 38.0 NM 235° 055° 20.0 NM 164° 344° 20.0 NM 164° 344° 31.0 NM	 FL 460 3 500 FT Class A 4 000 FT FL 460 6 500 FT Class A 7 000 FT	 20 	 ↓ ↑ ↓ ↑	For continuation, see AIP Lao People's Democratic Republic. Longitudinal separation between aircraft 10 min.
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST (COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
B346 ▲ <u>BANGKOK DVOR/DME (BKK)</u> 135337N 1003546E ▲ <u>NOBER</u> 151636N 1004006E ▲ <u>PHETCHABUN DVOR/DME (PCB)</u> 164034N 1011148E ▲ <u>YAKUA</u> 174415N 1013052E	 003° 183° 83.0 NM 021° 201° 89.0 NM 016° 196° 66.0 NM	 FL 460 10 000 FT Class A 11 000 FT/FL 110	 20	 ↓ ↑	 Longitudinal separation between aircraft 15 min.
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST (COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
B460 ▲ <u>KHORAT DVOR/DME (KRT)</u> 145502N 1020823E ▲ <u>BODUR</u> 154853N 1032127E ▲ <u>ROI-ET DVOR/DME (ROT)</u> 160701N 1034619E ▲ <u>RURAR</u> 161943N 1041436E ▲ <u>SAVANNAKHET DVOR/DME (SAV)</u> 163342N 1044556E	 053° 234° 89.0 NM 054° 234° 30.0 NM 066° 246° 30.0 NM 066° 246° 33.0 NM	 FL 460 6 500 FT Class A 7 000 FT	 20	 ↓ ↑	 Longitudinal separation between aircraft 10 min. For continuation, see AIP Lao People's Democratic Republic.
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST (COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5		Remarks Controlling unit Frequency 6
B579						
▲ PHUKET DVOR/DME (PUT) 080655N 0981823E	141° 321° 30.0 NM	FL 460 6 500 FT Class A 7 000 FT	20	↓		
▲ REBED 074332N 0983736E	141° 321° 20.0 NM	FL 460 6 500 FT Class A 7 000 FT				
▲ NUTGU 072803N 0985020E	141° 321° 77.0 NM	FL 460 9 500 FT Class A 10 000 FT			↑	
▲ DALAN 062808N 0993920E						
For flight planning procedure, see ENR 1.10.						

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST (COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
G331 PADET ▲ 100007N 0981719E DADSA ▲ 090713N 0981749E SUSID ▲ 083659N 0981808E PHUKET DVOR/DME (PUT) ▲ 080655N 0981823E	 180° 000° 53.0 NM 180° 000° 30.0 NM 180° 000° 30.0 NM	 FL 460 9 500 FT Class A 10 000 FT FL 460 6 500 FT Class A 7 000 FT	 10	 ↓ ↑	
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST (COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
G458					
▲ <u>BANGKOK DVOR/DME (BKK)</u> 135337N 1003546E	197° 017° 44.0 NM	FL 460 7 500 FT Class A 8 000 FT	10	↓	
▲ <u>MOTNA</u> 131110N 1002306E	197° 017° 12.0 NM				
▲ <u>HOTEL</u> 130006N 1001948E	198° 018° 61.0 NM				
▲ <u>UKERA</u> 120207N 1000110E	196° 016° 56.0 NM				
▲ <u>MENEX</u> 110831N 0994543E	197° 017° 9.0 NM				
▲ <u>APRIL</u> 110007N 0994307E	198° 018° 92.0 NM				
▲ <u>IKERA</u> 093146N 0991532E	198° 018° 25.0 NM				
▲ <u>SURAT THANI DVOR/DME (STN)</u> 090746N 0990805E	220° 040° 25.0 NM	FL 460 6 500 FT Class A 7 000 FT			
▲ <u>LAMUL</u> 084818N 0985208E	219° 039° 23.0 NM				
▲ <u>SAVSA</u> 083016N 0983729E	220° 040° 30.0 NM			↑	
▲ <u>PHUKET DVOR/DME (PUT)</u> 080655N 0981823E					
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST (COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
G463 BANGKOK DVOR/DME (BKK) ▲ 135337N 1003546E TARED ▲ 142620N 0993129E BETNO ▲ 150554N 0981231E	 298° 118° 70.0 NM 298° 118° 86.0 NM	 FL 460 9 500 FT Class A 10 000 FT	 (*) ↑	 ↓ ↑	 Longitudinal separation between aircraft 10 min. (*) For width of airways, see ENR 2.1-1.
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST (COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
G473 MAKAS ▲ 164947N 0982949E PHITSANULOK DVOR/DME (PSL) ▲ 164613N 1001729E CHUM PHAE DVOR/DME (CMP) ▲ 163811N 1015905E UBON DVORDME (UBL) ▲ 151443N 1045157E	 092° 272° 103.0 NM 094° 275° 98.0 NM 116° 297° 186.0 NM	 FL 460 9 000 FT Class A 10 000 FT	 (*)	 ↓ ↑	 Longitudinal separation between aircraft 15 min. (*) For width of airways, see ENR 2.1-1.
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
G474 <u>BANGKOK DVOR/DME (BKK)</u> ▲ 135337N 1003546E <u>ANKOS</u> ▲ 135300N 1012742E <u>DOSBU</u> ▲ 135240N 1015002E <u>ANREN</u> ▲ 135212N 1021838E <u>OMURO</u> ▲ 135143N 1024559E	 091° — 271° 51.0 NM 091° — 272° 22.0 NM 092° — 272° 28.0 NM 092° — 272° 27.0 NM	 FL 460 — 10 500 FT Class A 11 000 FT FL 460 — FL 145 Class A FL 150	 (*) 	 ↓ ↑	 Available from FL250 and below. (*) For width of airways, see ENR 2.1-1. For continuation, see AIP Kingdom of Cambodia.
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
R201 <u>BANGKOK DVOR/DME (BKK)</u> ▲ 135337N 1003546E <u>U-TAPAO DVOR/DME (BUT)</u> ▲ 124000N 1010002E	162° 342° 77.0 NM	FL 460 6 500 FT Class A 7 000 FT	20	↓ ↑	Excluding area of VTP7 Longitudinal separation between aircraft 10 min.
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
R202 TATEL ▲ 172905N 0984549E PHRAE DVOR/DME (PAE) ▲ 180803N 1000958E	 064° 244° 89.0 NM	 FL 460 12 500 FT/FL 125 Class A FL 130	 10	 ↓ ↑	
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type)* Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST (COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
R203 <u>PHUKET DVOR/DME (PUT)</u> ▲ 080655N 0981823E UBHEN ▲ 080520N 0974812E SAPAM ▲ 080434N 0973300E	 268° 087° 30.0 NM 268° 088° 15.0 NM 	 FL 460 6 500 FT Class A 7 000 FT 	 (*) 	 ↓ ↑ ↑ ↓	(*) For width of airways, see ENR 2.1-1.
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
R207 ▲ <u>SISUK</u> 194804N 0980243E ▲ <u>MACHI</u> 191306N 0983346E ▲ <u>LAMUN</u> 190513N 0984044E ▲ <u>CHIANG MAI DVORDME (CMA)</u> 184558N 0985740E ▲ <u>MONLO</u> 184702N 0993743E ▲ <u>NAN DVORDME (NAN)</u> 184833N 1004657E ▲ <u>ANBOK</u> 183635N 1011248E	 141° 321° 46.0 NM 141° 321° 10.0 NM 141° 321° 25.0 NM 088° 268° 38.0 NM 088° 268° 66.0 NM 116° 296° 27.0 NM	 FL 460 8 000 FT Class A 9 000 FT FL 460 9 500 FT Class A 10 000 FT	 20	 ↓ ↑	 Longitudinal separation between aircraft 15 min.
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
R215 <u>CHIANG RAI DVOR/DME (CTR)</u> ▲ 195654N 0995300E <u>DUBEN</u> ▲ 193249N 1001207E <u>NAN DVOR/DME (NAN)</u> ▲ 184833N 1004657E <u>TOMIP</u> ▲ 191105N 1011548E	 144° 324° 30.0 NM 144° 324° 55.0 NM 051° 232° 35.0 NM	 FL 460 9 500 FT Class A 10 000 FT	 (*)	 ↓ ↑	 Longitudinal separation between aircraft 15 min. For continuation, see AIP Lao People's Democratic Republic.
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
R325 ▲ <u>IKULA</u> 100007N 0972114E ▲ <u>MUDMA</u> 090050N 0975115E ▲ <u>UPSAB</u> 083348N 0980452E ▲ <u>PHUKET DVOR/DME (PUT)</u> 080655N 0981823E ▲ <u>URGAD</u> 074615N 0984031E ▲ <u>OSVIP</u> 074253N 0984409E ▲ <u>UTHAI</u> 070008N 0992949E ▲ <u>DUBAX</u> 062556N 1000737E	 154° 334° 66.0 NM 154° 334° 30.0 NM 154° 334° 30.0 NM 134° 314° 30.0 NM 133° 313° 5.0 NM 134° 314° 62.0 NM 132° 312° 51.0 NM 	FL 460 9 000 FT Class A 10 000 FT FL 460 6 500 FT Class A 7 000 FT 7 000 FT 7 000 FT FL 460 9 500 FT Class A 10 000 FT	(*)	↓ ↑	(*) For width of airways, see ENR 2.1-1.
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST (COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
R334 <u>RAYONG DVOR/DME (RYN)</u> ▲ 124648N 1014042E <u>SAKDA</u> ▲ 113654N 1030000E	 132° 312° 103.0 NM	 FL 460 FL 165 Class A FL 170	 20	 ↓ ↑	 Longitudinal separation between aircraft 10 min.
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
R345 <u>ROI-ET DVOR/DME (ROT)</u> ▲ 160701N 1034619E <u>GRASO</u> ▲ 150917N 1034714E <u>PASAT</u> ▲ 145727N 1034726E <u>PEKBA</u> ▲ 144808N 1034733E <u>BIDEM</u> ▲ 142154N 1034750E	 180° <hr/> 000° 58.0 NM 180° <hr/> 000° 12.0 NM 180° <hr/> 000° 9.0 NM 180° <hr/> 000° 26.0 NM	 FL 460 <hr/> FL 215 Class A FL 220	 10	 ↓ ↑	

For flight planning procedure, see ENR 1.10.

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
R468 <u>BANGKOK DVOR/DME (BKK)</u> ▲ 135337N 1003546E <u>UGIPA</u> ▲ 134524N 1005221E <u>GORSI</u> ▲ 133055N 1012128E <u>GOMES</u> ▲ 132406N 1013506E <u>BERLU</u> ▲ 131350N 1015620E <u>BOKAK</u> ▲ 125736N 1022947E	 117° 298° 18.0 NM 118° 298° 32.0 NM 118° 298° 15.0 NM 117° 297° 23.0 NM 117° 297° 36.0 NM 	 FL 460 7 500 FT Class A 8 000 FT FL 460 FL 155 Class A FL 160	 (*) 	 ↓ ↑	 Available from FL250 and below. (*) For width of airways, see ENR 2.1-1. For continuation, see AIP Kingdom of Cambodia.
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	<u>Upper limits</u> <u>Lower limits</u> or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
R470					
VIENTIANE DVOR/DME (VTN)					For continuation, see AIP Lao People's Democratic Republic.
▲ <u>180037N 1023226E</u>	161° 341°	<u>FL 460</u> 3 500 FT	(*)	↓	Longitudinal separation between aircraft 10 min.
▲ <u>ELNET</u> <u>174625N 1023746E</u>	15.0 NM	Class A 4 000 FT			
▲ <u>UDON DVOR/DME (UDN)</u> <u>172304N 1024630E</u>	161° 341°	25.0 NM			
▲ <u>POVEX</u> <u>165905N 1030530E</u>	144° 324°	<u>FL 460</u> 6 500 FT			
▲ <u>DOTUS</u> <u>163103N 1032732E</u>	30.0 NM	Class A 7 000 FT			
▲ <u>ROI-ET DVOR/DME (ROT)</u> <u>160701N 1034619E</u>	144° 324°	35.0 NM			
▲ <u>ENTEK</u> <u>154755N 1041024E</u>	144° 324°	30.0 NM			
▲ <u>UBON DVOR/DME (UBL)</u> <u>151443N 1045157E</u>	130° 310°	30.0 NM			
▲ <u>ENTEK</u> <u>154755N 1041024E</u>	130° 310°	30.0 NM		↑	
▲ <u>UBON DVOR/DME (UBL)</u> <u>151443N 1045157E</u>	52.0 NM				
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
R474					
▲ <u>BANGKOK DVOR/DME (BKK)</u> 135337N 1003546E	027° 207° 57.0 NM	FL 460 6 500 FT Class A	(*)	↓	(*) For width of airways, see ENR 2.1-1. For continuation, see AIP Lao People's Democratic Republic.
▲ <u>ALBOS</u> 144442N 1010142E	027° 207° 126.0 NM	7 000 FT			
▲ <u>CHUM PHAE DVOR/DME (CMP)</u> 163811N 1015905E	022° 202° 78.0 NM	FL 460 3 500 FT Class A 4 000 FT			
▲ <u>LEDER</u> 175044N 1022825E	022° 202° 11.0 NM	FL 460 3 500 FT Class A 4 000 FT		↑	
▲ <u>VIENTIANE DVOR/DME (VTN)</u> 180037N 1023226E					
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6		
R575							
▲ PHUKET DVOR/DME (PUT) 080655N 0981823E	069° 249° 30.0 NM	FL 460 8 500 FT Class A	10	↓	(*) For width of airways, see ENR 2.1-1.		
▲ ONET1 081757N 0984633E	069° 249° 45.0 NM	9 000 FT					
▲ RECNO 083425N 0992825E	031° 211° 38.0 NM						
▲ MESEM 090719N 0994816E	031° 211° 30.0 NM						
▲ SAMUI DVOR/DME (SMU) 093249N 1000342E	070° 250° 15.0 NM	FL 460 6 500 FT Class A					
△ VININ 093754N 1001740E	070° 250° 13.0 NM	7 000 FT					
▲ UPNEP 094213N 1002936E	051° 231° 48.0 NM		(*)				
△ EMELA 101249N 1010729E	053° 233° 18.0 NM	FL 460 FL 155 Class A					
▲ RILVI 102334N 1012142E	053° 233° 37.0 NM	FL 160					
▲ ALUMO 104554N 1015123E	053° 233° 29.0 NM						
△ ANOBO 110323N 1021442E	054° 234° 56.0 NM						
▲ SAKDA 113654N 1030000E						↑	
For flight planning procedure, see ENR 1.10.							

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6		
R588							
▲ PHUKET DVOR/DME (PUT) 080655N 0981823E	092° 272°	FL 460 9 500 FT	(*)	↓	(*) For width of airways, see ENR 2.1-1.		
▲ EMRIT 080621N 0984840E	30.0 NM	Class A 10 000 FT					
▲ KRABI DVOR/DME (KBI) 080627N 0985839E	10.0 NM						
▲ RELIP 080432N 1002619E	87.0 NM						
▲ IDRUK 082724N 1005513E	37.0 NM	FL 460 FL 155 Class A FL 160					
△ SUPIN 083435N 1010419E	12.0 NM						
△ MUBAN 085441N 1012952E	32.0 NM						
▲ TENUM 090229N 1013948E	13.0 NM						
△ TONIK 091736N 1015907E	24.0 NM						
▲ BASIT 093447N 1022108E	28.0 NM					↑	
For flight planning procedure, see ENR 1.10.							

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6		
W1							
▲ <u>BANGKOK DVOR/DME (BKK)</u> 135337N 1003546E	044° 224°	FL 460 6 500 FT	10	↓	Longitudinal separation between aircraft 10 min.		
▲ <u>MALKI</u> 143111N 1011153E	51.0 NM	Class A 7 000 FT					
▲ <u>UBLOD</u> 143715N 1012612E	15.0 NM	FL 460 12 500 FT/FL 125					
▲ <u>KHORAT DVOR/DME (KRT)</u> 145502N 1020823E	45.0 NM	Class A 13 000 FT/FL 130					
▲ <u>RAMEI</u> 150240N 1030040E	51.0 NM	FL 460 6 500 FT					
△ <u>RAMBU</u> 150554N 1032319E	22.0 NM	Class A 7 000 FT					
▲ <u>GRASO</u> 150917N 1034714E	23.0 NM						
▲ <u>UBON DVOR/DME (UBL)</u> 151443N 1045157E	63.0 NM					↑	
For flight planning procedure, see ENR 1.10.							

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6	
W4						
▲ UDON DVOR/DME (UDN) 172304N 1024630E	144° 324°	FL 460 6 500 FT	(*)	↓	Longitudinal separation between aircraft 10 min. (*) For width of airways, see ENR 2.1-1.	
▲ POVEX 165905N 1030530E	30.0 NM	Class A 7 000 FT				
▲ DOTUS 163103N 1032732E	144° 324°	35.0 NM				
▲ ROI-ET DVOR/DME (ROT) 160701N 1034619E	30.0 NM					
▲ ENTEK 154755N 1041024E	130° 310°	30.0 NM				
▲ UBON DVOR/DME (UBL) 151443N 1045157E	30.0 NM					↑
For flight planning procedure, see ENR 1.10.						

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6		
W5							
▲ UDON DVOR/DME (UDN) 172304N 1024630E	180° 000°	FL 460 6 500 FT	(*)	↓	Longitudinal separation between aircraft 10 min. (*) For width of airways, see ENR 2.1-1.		
▲ ANPUS 165800N 1024651E	25.0 NM	Class A 7 000 FT					
▲ ALGIT 165300N 1024655E	180° 000°	5.0 NM					
▲ KHON KAEN DVOR/DME (KKN) 162815N 1024716E	25.0 NM	111° 291°					
▲ SEDNO 161733N 1031707E	31.0 NM	111° 291°					
▲ ROI-ET DVOR/DME (ROT) 160701N 1034619E	30.0 NM	130° 310°					
▲ ENTEK 154755N 1041024E	30.0 NM	130° 310°					
▲ UBON DVOR/DME (UBL) 151443N 1045157E	52.0 NM					↑	
For flight planning procedure, see ENR 1.10.							

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
W6 ▲ <u>KHORAT DVOR/DME (KRT)</u> 145502N 1020823E ▲ <u>EMRUT</u> 160020N 1023533E ▲ <u>KHON KAEN DVOR/DME (KKN)</u> 162815N 1024716E ▲ <u>AKRET</u> 164016N 1030856E ▲ <u>SAKON NAKHON DVOR/DME (SKN)</u> 171251N 1040812E ▲ <u>NAKHON PHANOM DVOR/DME (NKP)</u> 172318N 1043818E	 023° 203° 70.0 NM 023° 203° 30.0 NM 061° 241° 24.0 NM 061° 241° 65.0 NM 071° 251° 31.0 NM	 FL 460 6 500 FT Class A 7 000 FT	 (*)	 ↓ ↑	 Longitudinal separation between aircraft 10 min. (*) For width of airways, see ENR 2.1-1.
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
W7 CHIANG MAI DVOR/DME (CMA) ▲ 184558N 0985740E PUMAM ▲ 180831N 0985001E LILRI ▲ 170333N 0983653E MAE SOT DVOR/DME (MST) ▲ 164152N 0983230E	 192° 012° 38.0 NM 192° 012° 66.0 NM 192° 012° 22.0 NM	 FL 460 8 000 FT Class A 9 000 FT	 (*) ↑	 ↓ ↑	 Longitudinal separation between aircraft 10 min. (*) For width of airways, see ENR 2.1-1.
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
W8 ▲ TAKHLI NDB (TL) 151633N 1001751E ▲ KHORAT DVOR/DME (KRT) 145502N 1020823E	 102° 282° 109.0 NM	 FL 460 6 500 FT Class A 7 000 FT	 (*)	 ↓ ↑	 Longitudinal separation between aircraft 10 min. (*) For width of airways, see ENR 2.1-1.
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6	
W9						
▲ MAE HONG SON DVOR/DME (MHS) <u>191911N 0975444E</u> ▲ BOKIB <u>190434N 0982225E</u> ▲ VISES <u>185811N 0983438E</u> ▲ CHIANG MAI DVOR/DME (CMA) <u>184558N 0985740E</u> ▲ PANTA <u>181351N 0991917E</u> △ SARIM <u>173030N 0994737E</u> ▲ PIBIK <u>171130N 1000028E</u> ▲ PHITSANULOK DVOR/DME (PSL) <u>164613N 1001729E</u> ▲ PEBLI <u>161606N 1001736E</u> ▲ TAKHLI NDB (TL) <u>151633N 1001751E</u> ▲ BANGKOK DVOR/DME (BKK) <u>135337N 1003546E</u>	<u>120°</u> <u>300°</u> 30.0 NM	<u>FL 460</u> <u>8 500 FT</u> Class A 9 000 FT	20	↓	Excluding restricted area VTR5. Longitudinal separation between aircraft 10 min. (*) For width of airways, see ENR 2.1-1.	
	<u>119°</u> <u>300°</u> 13.2 NM	<u>120°</u> <u>300°</u> 25.0 NM	<u>FL 460</u> <u>6 500 FT</u> Class A 7 000 FT			
	<u>148°</u> <u>328°</u> 38.0 NM	<u>148°</u> <u>328°</u> 51.0 NM	<u>148°</u> <u>328°</u> 23.0 NM			
	<u>149°</u> <u>329°</u> 51.0 NM	<u>148°</u> <u>328°</u> 30.0 NM	<u>148°</u> <u>328°</u> 30.0 NM			
	<u>148°</u> <u>328°</u> 23.0 NM	<u>181°</u> <u>000°</u> 30.0 NM	<u>181°</u> <u>000°</u> 30.0 NM			
	<u>148°</u> <u>328°</u> 23.0 NM	<u>181°</u> <u>000°</u> 30.0 NM	<u>181°</u> <u>000°</u> 30.0 NM			
	<u>148°</u> <u>328°</u> 23.0 NM	<u>181°</u> <u>000°</u> 30.0 NM	<u>181°</u> <u>000°</u> 30.0 NM			
	<u>148°</u> <u>328°</u> 23.0 NM	<u>181°</u> <u>000°</u> 30.0 NM	<u>181°</u> <u>000°</u> 30.0 NM			
	<u>148°</u> <u>328°</u> 23.0 NM	<u>181°</u> <u>000°</u> 30.0 NM	<u>181°</u> <u>000°</u> 30.0 NM			
	<u>148°</u> <u>328°</u> 23.0 NM	<u>181°</u> <u>000°</u> 30.0 NM	<u>181°</u> <u>000°</u> 30.0 NM			
	<u>148°</u> <u>328°</u> 23.0 NM	<u>181°</u> <u>000°</u> 30.0 NM	<u>181°</u> <u>000°</u> 30.0 NM			
	<u>148°</u> <u>328°</u> 23.0 NM	<u>181°</u> <u>000°</u> 30.0 NM	<u>181°</u> <u>000°</u> 30.0 NM			↑
	For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
W10 KAMPHAENG SAEN DVOR/DME (KPS) ▲ <u>140956N 0995715E</u> VUTHI ▲ <u>145007N 0995725E</u> TAKHLI NDB (TL) ▲ <u>151633N 1001751E</u>	 001° 181° 40.0 NM 037° 218° 33.0 NM	 FL 260 5 500 FT Class A 6 000 FT	 (*)	 ↓ ↑	For Military use only. (*) For width of airways, see ENR 2.1-1.
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
W12 CHIANG MAI DVOR/DME (CMA) ▲ <u>184558N 0985740E</u> MONLO ▲ <u>184702N 0993743E</u> NAN DVORDME (NAN) ▲ <u>184833N 1004657E</u>	 088° 268° 38.0 NM 088° 268° 66.0 NM	 FL 460 7 000 FT Class A 8 000 FT	 (*)	 ↓ ↑	 Longitudinal separation between aircraft 10 min. (*) For width of airways, see ENR 2.1-1.
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
W13 ▲ <u>LAMPANG DVOR/DME (LPN)</u> 181636N 0993008E ▲ <u>PHRAE DVOR/DME (PAE)</u> 180803N 1000958E	 $\frac{103^\circ}{283^\circ}$ 39.0 NM	 $\frac{FL\ 460}{6\ 000\ FT}$ Class A 7 000 FT	 (*)	 ↓ ↑	 Longitudinal separation between aircraft 10 min. (*) For width of airways, see ENR 2.1-1.
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
W14					
▲ PHUKET DVOR/DME (PUT) 080655N 0981823E	115° 295°	FL 460 6 500 FT	10	↓	
▲ EPGOT 075416N 0984555E	30.0 NM	Class A 7 000 FT			
▲ TRANG DVOR/DME (TRN) 073032N 0993734E	57.0 NM				
▲ HAT YAI DVOR/DME (HTY) 065603N 1002316E	127° 307°				
▲ PATTANI NDB (PT) 064718N 1010853E	57.0 NM				
▲ NARATHIWAT DVOR/DME (NTW) 063138N 1014442E	101° 281°				
	46.0 NM				
	114° 294°				
	39.0 NM				
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6		
W15							
▲ CHIANG MAI DVOR/DME (CMA) 184558N 0985740E	120° 300°	FL 460 6 500 FT	(*)	↓	Longitudinal separation between aircraft 10 min. (*) For width of airways, see ENR 2.1-1.		
▲ KABMU 182739N 0993247E	38.0 NM	Class A 7 000 FT					
▲ PHRAE DVOR/DME (PAE) 180803N 1000958E	40.0 NM						
△ PANKU 172035N 1005606E	65.0 NM						
▲ BARCE 172245N 1011219E	16.0 NM						
▲ LOEI DVOR/DME (LOY) 172649N 1014323E	30.0 NM						
▲ SWENI 172555N 1015903E	15.0 NM						
▲ ESGIB 172458N 1021514E	16.0 NM						
▲ UDON DVOR/DME (UDN) 172304N 1024630E	30.0 NM						
▲ GULNO 171915N 1031735E	30.0 NM						
▲ SAKON NAKHON DVOR/DME (SKN) 171251N 1040812E	49.0 NM					↑	
For flight planning procedure, see ENR 1.10.							

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
W16 CHIANG MAI DVOR/DME (CMA) ▲ 184558N 0985740E ASAVI ▲ 182326N 0992958E UTTAR ▲ 174305N 1002706E CHUM PHAE DVOR/DME (CMP) ▲ 163811N 1015905E ONUVI ▲ 163228N 1022655E KHON KAEN DVOR/DME (KKN) ▲ 162815N 1024716E	 127° 307° 38.0 NM 127° 307° 68.0 NM 127° 307° 109.0 NM 103° 283° 27.0 NM 103° 283° 20.0 NM 	 FL 460 6 500 FT Class A 7 000 FT 	 (*) 	 ↓ ↑	 Longitudinal separation between aircraft 10 min. (*) For width of airways, see ENR 2.1-1.
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
W17 RANONG DVOR/DME (RAN) ▲ <u>094643N 0983502E</u> TOGIM ▲ <u>092659N 0985148E</u> SURAT THANI DVOR/DME (STN) ▲ <u>090746N 0990805E</u> EMVEL ▲ <u>084438N 0992122E</u> HAT YAI DVOR/DME (HTY) ▲ <u>065603N 1002316E</u>	 $\frac{140^\circ}{320^\circ}$ 26.0 NM $\frac{140^\circ}{320^\circ}$ 25.0 NM $\frac{151^\circ}{331^\circ}$ 27.0 NM $\frac{151^\circ}{331^\circ}$ 124.0 NM	 $\frac{\text{FL 460}}{6\ 500\ \text{FT}}$ Class A 7 000 FT $\frac{\text{FL 460}}{7\ 500\ \text{FT}}$ Class A 8 000 FT	 10	 ↓ ↑	
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
W19					
▲ BANGKOK DVOR/DME (BKK) 135337N 1003546E	182° 002°	FL 460 6 500 FT	(*)	↓	Longitudinal separation between aircraft 10 min. (*) For width of airways, see ENR 2.1-1.
△ POLAK 132106N 1003454E	32.0 NM	Class A 7 000 FT			
▲ GUTSO 124820N 1003454E	181° 001°				
▲ REGOS 120007N 1003454E	33.0 NM				
▲ DIRAX 110007N 1003248E	181° 001°				
▲ TUSPU 101948N 1003108E	48.0 NM				
▲ UPNEP 094213N 1002936E	182° 002°				
▲ ROBDA 092558N 1003511E	60.0 NM				
▲ IDRUK 082724N 1005513E	183° 003°				
▲ ADNEP 080344N 1010318E	40.0 NM				
▲ NARATHIWAT DVOR/DME (NTW) 063138N 1014442E	183° 003°				
	162° 342°				
	17.0 NM				
	162° 342°				
	62.0 NM				
	162° 342°				
	25.0 NM				
	156° 336°				
	101.0 NM				
				↑	
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
W20					
▲ CHIANG MAI DVOR/DME (CMA)					
▲ 184558N 0985740E	$\frac{037^\circ}{217^\circ}$	$\frac{FL\ 350}{7\ 500\ FT}$	10	↓	Longitudinal separation between aircraft 10 min.
▲ ADLUS	25.0 NM	Class A			
▲ 190610N 0991320E	$\frac{037^\circ}{217^\circ}$	8 000 FT			
▲ NUMDO	33.0 NM				
▲ 193243N 0993402E	$\frac{037^\circ}{218^\circ}$			↑	
▲ CHIANG RAI DVOR/DME (CTR)	30.0 NM				
▲ 195654N 0995300E					
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
W21					
▲ <u>BANGKOK DVOR/DME (BKK)</u> 135337N 1003546E	004° 184° 83.0 NM	FL 460 10 000 FT Class A 11 000 FT	10	↓	.Longitudinal separation between aircraft 10 min.
▲ <u>NOBER</u> 151636N 1004006E	044° 224° 111.0 NM	FL 460 6 500 FT Class A 7 000 FT			
▲ <u>CHUM PHAE DVOR/DME (CMP)</u> 163811N 1015905E	046° 227° 34.0 NM				
▲ <u>SURGU</u> 170158N 1022408E	047° 227° 30.0 NM			↑	
▲ <u>UDON DVOR/DME (UDN)</u> 172304N 1024630E					
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
W22					
▲ PHITSANULOK DVOR/DME (PSL) 164613N 1001729E	356° 176°	FL 460 6 500 FT	10	↓	Longitudinal separation between aircraft 10 min.
▲ NIROP 171614N 1001444E	30.0 NM	Class A			
▲ PHRAE DVOR/DME (PAE) 180803N 1000958E	356° 176°	7 000 FT			
▲ BENV I 192707N 0995741E	52.0 NM				
▲ CHIANG RAI DVOR/DME (CTR) 195654N 0995300E	352° 172°			↑	
	80.0 NM				
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
W23 ▲ <u>PHITSANULOK DVOR/DME (PSL)</u> 164613N 1001729E ▲ <u>POLOB</u> 171309N 1000328E △ <u>PIVUT</u> 174644N 0994553E ▲ <u>LAMPANG DVOR/DME (LPN)</u> 181636N 0993008E	 334° 154° 30.0 NM 334° 154° 37.0 NM 334° 154° 33.0 NM 	 FL 460 6 500 FT Class A 7 000 FT 	 (*) 	 ↓ ↑	 Longitudinal separation between aircraft 10 min. (*) For width of airways, see ENR 2.1-1.
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
W24 SURAT THANI DVOR/DME (STN) ▲ 090746N 0990805E IDNAR ▲ 084344N 0991524E BITEN ▲ 082659N 0992029E TRANG DVOR/DME (TRN) ▲ 073032N 0993734E	 164° 344° 25.0 NM 164° 344° 17.0 NM 164° 344° 59.0 NM 	 FL 460 7 500 FT Class A 8 000 FT 	 10 	 ↓ ↑	 Longitudinal separation between aircraft 10 min.
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
W25 ▲ <u>SUKHOTHAI NDB (THS)</u> 171407N 0994919E ▲ <u>PHRAE DVOR/DME (PAE)</u> 180803N 1000958E ▲ <u>NAN DVORDME (NAN)</u> 184833N 1004657E	 021° ----- 201° 57.0 NM 041° ----- 221° 54.0 NM	 FL 460 ----- 6 500 FT Class A 9 000 FT FL 460 ----- 8 000 FT Class A 9 000 FT	 (*) 	 ↓ ↑	Longitudinal separation between aircraft 10 min. (*) For width of airways, see ENR 2.1-1.
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
W26					
▲ MAE SOT DVOR/DME (MST) 164152N 0983230E	074° 254°	FL 460 6 500 FT	(*)	↓	Longitudinal separation between aircraft 10 min. (*) For width of airways, see ENR 2.1-1.
▲ ISBEL 164754N 0985341E	21.0 NM	Class A 7 000 FT			
▲ TAK NDB (TK) 165358N 0991508E	074° 254°				
▲ PHITSANULOK DVOR/DME (PSL) 164613N 1001729E	22.0 NM				
▲ GOKON 164301N 1004834E	098° 278°				
▲ PHETCHABUN DVOR/DME (PCB) 164034N 1011148E	60.0 NM				
▲ CHUM PHAE DVOR/DME (CMP) 163811N 1015905E	097° 277°				
	30.0 NM				
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
W27 ▲ PHITSANULOK DVOR/DME (PSL) 164613N 1001729E ▲ REMER 165935N 1004531E ▲ RIBDO 172014N 1012918E ▲ LOEI DVOR/DME (LOY) 172649N 1014323E	 065° 245° 30.0 NM 065° 245° 47.0 NM 065° 245° 15.0 NM	 FL 460 6 000 FT Class A 7 000 FT	 (*)	 ↓ ↑	Longitudinal separation between aircraft 10 min. (*) For width of airways, see ENR 2.1-1.
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
W28					
▲ <u>SURAT THANI DVOR/DME (STN)</u> 090746N 0990805E	$\frac{126^\circ}{306^\circ}$ 25.0 NM	$\frac{FL\ 460}{8\ 500\ FT}$ Class A	10	↓	
▲ <u>SEGRA</u> 085300N 0992831E	$\frac{126^\circ}{306^\circ}$ 35.0 NM	9 000 FT			
▲ <u>NAKHON SI THAMMARAT DVOR/DME (NKS)</u> 083230N 0995649E	$\frac{165^\circ}{345^\circ}$ 100.0 NM	$\frac{FL\ 460}{7\ 500\ FT}$ Class A		↑	
▲ <u>HAT YAI DVOR/DME (HTY)</u> 065603N 1002316E		8 000 FT			
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
W29					
▲ PHITSANULOK DVOR/DME (PSL) 164613N 1001729E	010° 190° 30.0 NM	FL 460 6 500 FT Class A	10	↓	Longitudinal separation between aircraft 10 min.
▲ GOSTA 171557N 1002230E	010° 190° 27.0 NM	7 000 FT			
▲ UTTAR 174305N 1002706E	017° 197° 68.0 NM			↑	
▲ NAN DVOR/DME (NAN) 184833N 1004657E	324° 144° 55.0 NM	FL 460 8 500 FT Class A		↓	
▲ DUBEN 193249N 1001207E	324° 144° 30.0 NM	9 000 FT		↑	
▲ CHIANG RAI DVOR/DME (CTR) 195654N 0995300E					
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
W31					
▲ SUPOJ 101642N 1001220E	355° 175° 72.0 NM	FL 460 3 500 FT Class A 4 000 FT	10	↓	
▲ EGUBO 112838N 1000450E	354° 174° 34.0 NM				
△ UKERA 120207N 1000110E	354° 174° 36.0 NM				
▲ HUA HIN DVOR/DME (HHN) 123804N 0995704E	046° 226° 31.0 NM	FL 150 3 500 FT Class A 4 000 FT			
▲ HOTEL 130006N 1001948E	017° 197° 56.0 NM	FL 150 7 500 FT Class A 8 000 FT		↑	
▲ BANGKOK DVOR/DME (BKK) 135337N 1003546E					
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
W32					
REGOS ▲ 120007N 1003454E	193° 013° 43.0 NM	FL 460 3 500 FT Class A	10		Unidirectional Conditional Route (CDR) Portion REGOS - SMU 1.Available on weekdays, Mon - Fri 1700-2300 UTC. 2.Available from Friday 1700 UTC to Sunday 2300 UTC and public holiday. 3.Other Period, Availability shall be notified by NOTAM or Airspace use plan (AUP) in www.thaicmac.aerothai.aero
GOKEK ▲ 111815N 1002544E	193° 013° 63.0 NM	4 000 FT		↑	
SUPOJ ▲ 101642N 1001220E	191° 011° 15.0 NM			↓	
ENRAG ▲ 100223N 1000931E	191° 011° 30.0 NM				
SAMUI DVOR/DME (SMU) ▲ 093249N 1000342E	246° 066° 19.0 NM				
DORNA ▲ 092459N 0994614E	246° 066° 16.0 NM				
ADLAL △ 091810N 0993106E	246° 066° 9.0 NM				
VEGNA ▲ 091427N 0992251E	246° 066° 16.0 NM				
SURAT THANI DVOR/DME (STN) ▲ 090746N 0990805E	189° 009° 19.0 NM	FL 460 7 500 FT Class A			
TEDOS ▲ 084834N 0990507E	189° 009° 6.0 NM	8 000 FT			
TAVAT ▲ 084257N 0990416E	189° 009° 12.0 NM				
NULMA ▲ 083118N 0990228E	189° 009° 3.0 NM				
LUXIR ▲ 082819N 0990200E	189° 009° 7.0 NM				
SARER ▲ 082127N 0990057E	189° 009° 15.0 NM			↑	
KRABI DVOR/DME (KBI) ▲ 080627N 0985839E	133° 313° 28.0 NM			↓	
TUNRA ▲ 074737N 0991905E	133° 313° 25.0 NM			↑	
TRANG DVOR/DME (TRN) ▲ 073032N 0993734E					

For flight planning procedure, see ENR 1.10.

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
W33					
▲ PHUKET DVOR/DME (PUT) 080655N 0981823E	069° 249°	FL 460 9 500 FT	10	↓	Conditional Route (CDR) Portion PUT-SMU 1.Available on weekdays, Monday to Friday 1700-2300 UTC. 2.Available from Friday 1700 UTC to Sunday 2300 UTC and public holiday. 3.Other Period, Availability shall be notified by NOTAM or Airspace use plan (AUP) in www.thaicmac.aerothai.aero
▲ ONET1 081757N 0984633E	30.0 NM	Class A 10 000 FT			
▲ RECNO 083425N 0992825E	069° 249°				
▲ MESEM 090719N 0994816E	45.0 NM				
▲ SAMUI DVOR/DME (SMU) 093249N 1000342E	031° 211°	FL 460 6 500 FT			
△ VININ 093754N 1001740E	38.0 NM	Class A 7 000 FT			
▲ UPNEP 094213N 1002936E	031° 211°				
▲ MABKO 094809N 1003543E	30.0 NM				
▲ SURIX 105959N 1015015E	070° 250°				
▲ TRAT NDB (TRT) 121628N 1021850E	15.0 NM				
▲ RAYONG DVOR/DME (RYN) 124648N 1014042E	070° 250°				
	046° 226°				
	046° 226°				
	046° 226°				
	021° 201°				
	021° 201°				
	310° 129°				
	310° 129°				
	48.0 NM			↑	
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
W34 ▲ <u>MENEX</u> 110831N 0994543E ▲ <u>CHUM PHON DVOR/DME (CPN)</u> 104240N 0992156E ▲ <u>RANONG DVOR/DME (RAN)</u> 094643N 0983502E ▲ <u>IGEVI</u> 083640N 0982320E ▲ <u>PHUKET DVOR/DME (PUT)</u> 080655N 0981823E	 223° — 043° 35.0 NM 220° — 040° 72.0 NM 190° — 010° 71.0 NM 190° — 010° 30.0 NM	 FL 460 — 6 500 FT Class A 7 000 FT	 10 ↑	 ↓	
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
W35					
▲ UPNEP 094213N 1002936E	206° 026°	FL 460 7 500 FT	10	↓	Conditional Route (CDR) Portion UPNEP - NKS 1.Available on weekdays, Monday to Friday 1700-2300 UTC. 2.Available from Friday 1700 UTC to Sunday 2300 UTC and public holiday. 3.Other Period, Availability shall be notified by NOTAM or Airspace use plan (AUP) in www.thaicmac.aerothai.aero
▲ PINUN 092825N 1002306E	15.0 NM 205° 025°	Class A 8 000 FT			
▲ PAGLU 091549N 1001709E	14.0 NM 205° 025°				
▲ NAKHON SI THAMMARAT DVOR/DME (NKS) 083230N 0995649E	48.0 NM 198° 018°				
▲ TRANG DVOR/DME (TRN) 073032N 0993734E	65.0 NM			↑	
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
W36 CHIANG MAI DVOR/DME (CMA) ▲ <u>184558N 0985740E</u> LAMUN ▲ <u>190513N 0984044E</u> MACHI ▲ <u>191306N 0983346E</u> DOMKA ▲ <u>191419N 0982602E</u> MAE HONG SON DVOR/DME (MHS) ▲ <u>191911N 0975444E</u>	 $\frac{321^\circ}{141^\circ}$ 25.0 NM $\frac{321^\circ}{141^\circ}$ 10.0 NM $\frac{280^\circ}{100^\circ}$ 7.4 NM $\frac{280^\circ}{100^\circ}$ 30.0 NM	 FL 460 8 000 FT Class A 9 000 FT	 10	 ↓ ↑	 Longitudinal separation between aircraft 10 min.
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST (COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
W38					
▲ RAMEI					
▲ 150240N 1030040E	052° 232°	FL 460 6 500 FT	(*)	↓	Longitudinal separation between aircraft 10 min. (*) For width of airways, see ENR 2.1-1.
▲ BURI RAM DVOR/DME (BRM)	19.0 NM	Class A			
▲ 151422N 1031532E	030° 210°	7 000 FT			
▲ ANKID	30.0 NM				
▲ 154049N 1033057E	030° 210°			↑	
▲ ROI-ET DVOR/DME (ROT)	30.0 NM				
					For flight planning procedure, see ENR 1.10.

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
W39 ▲ <u>NOBER</u> 151636N 1004006E ▲ <u>PHETCHABUN DVORDME (PCB)</u> 164034N 1011148E ▲ <u>DUBOL</u> 171004N 1013154E ▲ <u>LOEI DVORDME (LOY)</u> 172649N 1014323E	 021° ----- 201° 89.0 NM 034° ----- 214° 35.0 NM 034° ----- 214° 20.0 NM	 FL 460 ----- 6 500 FT Class A 7 000 FT	 (*)	 ↓ ↑	 Longitudinal separation between aircraft 10 min. (*) For width of airways, see ENR 2.1-1.
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
W40 ▲ PHRAE DVORDME (PAE) 180803N 1000958E ▲ PHETCHABUN DVORDME (PCB) 164034N 1011148E	 146° 326° 105.0 NM	 FL 460 6 500 FT Class A 7 000 FT	 10	 ↓ ↑	 Longitudinal separation between aircraft 10 min.
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
W42					
▲ MENEX 110831N 0994543E	044° 224° 28.0 NM	FL 460 FL 155 Class A FL 160	20	↓	
▲ EGUBO 112838N 1000450E	044° 224° 14.0 NM				
▲ UPVIL 113836N 1001421E	044° 224° 18.0 NM				
▲ SURMA 115122N 1002633E	044° 224° 12.0 NM				
▲ REGOS 120007N 1003454E	055° 235° 5.0 NM				
▲ ASEKU 120306N 1003905E	055° 235° 32.0 NM	FL 460 FL 285 Class A FL 290			
▲ PIDEL 122143N 1010514E	055° 235° 25.0 NM				
▲ ALEMI 123626N 1012600E	055° 235° 18.0 NM				
▲ RAYONG DVOR/DME (RYN) 124648N 1014042E	030° 210° 14.0 NM	FL 460 FL 125 Class A FL 130			
▲ RUPTA 125839N 1014733E	030° 210° 5.0 NM	FL 460 FL 155 Class A FL 160			
▲ NUGPA 130254N 1014959E	030° 210° 13.0 NM				
▲ BERLU 131350N 1015620E	030° 210° 35.0 NM	FL 460 FL 205 Class A FL 210			
▲ DULEM 134416N 1021400E	030° 210° 9.0 NM				
▲ ANREN 135212N 1021838E	030° 210° 35.0 NM				
▲ XIKMA 142236N 1023626E	031° 211° 18.0 NM				
▲ TOPER 143808N 1024538E	031° 211° 16.0 NM				
▲ PAKRI 145202N 1025409E	032° 212° 12.0 NM	FL 460 6 500 FT Class A 7 000 FT	↑		
▲ RAMEI 150240N 1030040E					

For flight planning procedure, see ENR 1.10.

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
W43 CHUM PHAE DVOR/DME (CMP) ▲ 163811N 1015905E OKENA ▲ 161608N 1042533E	 098° 278° 142.0 NM	 FL 460 6 500 FT Class A 7 000 FT	 20	 ↓ ↑	 Longitudinal separation between aircraft 10 min
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type)* Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST (COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
W44 <u>NARATHIWAT DVOR/DME (NTW)</u> ▲ 063138N 1014442E <u>ERVES</u> ▲ 061208N 1012853E <u>BETONG DVOR/DME (BET)</u> ▲ 054708N 1010839E	 219° 039° 25.0 NM 219° 039° 32.0 NM	 FL 460 8 500 FT Class A 9 000 FT	 10	 ↓ ↑	

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
W650 HAT YAI DVOR/DME (HTY) ▲ <u>065603N 1002316E</u> POPID ▲ <u>062908N 1003212E</u>	 $\frac{162^\circ}{342^\circ}$ 28.0 NM	 $\frac{FL\ 145}{10\ 500\ FT}$ Class A 11 000 FT/FL 110	 10	 ↓ ↑	 Longitudinal separation between aircraft 10 min.
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type)* Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST (COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
W94 NAKHON SI THAMMARAT DVOR/DME (NKS) ▲ 083230N 0995649E GUPMO ▲ 085012N 1002750E	 061° 241° 35.0 NM	 FL 460 4 500 FT Class A 5 000 FT	 10	 ↓ ↑	
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type)* Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST (COP) 2	Upper limits Lower limits or Airspace classification Minimum flight altitude 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
W99					
▲ SAMUI DVOR/DME (SMU)					
▲ 093249N 1000342E	030° 210°	FL 460 4 500 FT	10	↓	Uni-directional route (northbound)
▲ OLBAG	30.0 NM	Class A			
▲ 095849N 1001852E	030° 210°	5 000 FT			
△ APUSA	2.0 NM				
△ 100057N 1002007E	031° 211°	FL 460 6 500 FT			
▲ DONSI	8.0 NM	Class A			
▲ 100738N 1002401E	031° 211°	7 000 FT			
▲ TUSPU	14.0 NM				
For flight planning procedure, see ENR 1.10.					

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