

ENR 3. ATS ROUTES

ENR 3.1 LOWER AND UPPER ATS ROUTES

Route designator (RNP type) Name of significant points Coordinates  <b>1</b>	Track MAG (GEO) VOR RDL DIST (COP)  <b>2</b>	Upper limits <u>Lower limits</u> or Airspace classification Minimum flight altitude  <b>3</b>	Lateral limits NM  <b>4</b>	Direction of cruising levels  Odd   Even  <b>5</b>	Remarks Controlling unit Frequency  <b>6</b>
<b>A1</b>					
<b>▲</b> BANGKOK DVOR/DME (BKK) <u>135337N 1003546E</u>	<u>071°</u> 251°	<u>FL 460</u> 7 500 FT	10	↓	Uni-directional 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
<b>▲</b> ROBKA <u>141043N 1012508E</u>	51.0 NM <u>071°</u> 251°	Class A 8 000 FT			
<b>▲</b> SELKA <u>142020N 1015311E</u>	29.0 NM <u>071°</u> 251°				
<b>▲</b> TOPER <u>143808N 1024538E</u>	54.0 NM <u>072°</u> 252°				
<b>△</b> SANOT <u>145134N 1032548E</u>	41.0 NM <u>075°</u> 255°				
<b>▲</b> PASAT <u>145727N 1034726E</u>	22.0 NM <u>075°</u> 255°				
<b>▲</b> UBON DVOR/DME (UBL) <u>151443N 1045157E</u>	65.0 NM <u>077°</u> 257°	<u>FL 460</u> 9 500 FT			
<b>▲</b> BUTRA <u>152506N 1053546E</u>	44.0 NM	Class A 10 000 FT		↑	
For flight planning procedure, see ENR 1.10.					

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<b>A202</b> RAMEI ▲ 150240N 1030040E GUROK ▲ 160329N 1041106E OKENA ▲ 161608N 1042533E SAVANNAKHET DVOR/DME (SAV) ▲ 163342N 1044556E	 049° 229° 91.0 NM 049° 229° 19.0 NM 048° 228° 26.0 NM	 FL 460 12 500 FT/FL 125 Class A 13 000 FT/FL 125 FL 460 6 500 FT Class A 7 000 FT	 (*)	 ↓         ↑	 Pilot may expect ATC instruction to avoid VT D64, VT D54, VT D44 and VT D30  (*) 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.					

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<b>A334</b> <u>HAT YAI DVOR/DME (HTY)</u> ▲ 065603N 1002316E  <u>PASVA</u> ▲ 061529N 1020431E	 112° 292° 108.0 NM	 FL 460 9 500 FT Class A 10 000 FT	 20	 ↓   ↑	          For continuation, see AIP Malay- sia.
For flight planning procedure, see ENR 1.10.					

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<b>A457</b> <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	↓  ↑	
For flight planning procedure, see ENR 1.10.					

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<b>A464</b>					
CHIANG MAI DVOR/DME (CMA) ▲ 184558N 0985740E	163° — 343°	FL 460 — 6 500 FT	20	↓	
ENBAT ▲ 180941N 0991004E	38.0 NM	Class A 7 000 FT			
TOPAS △ 172916N 0992358E	163° — 343°				
BEKOD ▲ 162117N 0994636E	42.0 NM				
SEMBO ▲ 145359N 1001548E	163° — 343°				
BANGKOK DVOR/DME (BKK) ▲ 135337N 1003546E	71.0 NM				
POLAK △ 132106N 1003454E	163° — 343°				
GUTSO ▲ 124820N 1003454E	32.0 NM				
REGOS ▲ 120007N 1003454E	182° — 002°				
DIRAX △ 110007N 1003248E	33.0 NM				
TUSPU ▲ 101948N 1003108E	181° — 001°	FL 460 — 3 500 FT			
UPNEP ▲ 094213N 1002936E	40.0 NM	Class A 4 000 FT			
APOBI ▲ 090147N 1002814E	183° — 003°				
GUPMO ▲ 085012N 1002750E	37.0 NM				
RELIP ▲ 080432N 1002619E	182° — 002°				
HAT YAI DVOR/DME (HTY) ▲ 065603N 1002316E	40.0 NM				
KARMI ▲ 062940N 1003121E	182° — 002°				
	12.0 NM				
	182° — 002°				
	46.0 NM				
	183° — 003°				
	68.0 NM				
	163° — 343°	FL 460 — 8 500 FT			
	27.0 NM	Class A 9 000 FT			
				↑	

For flight planning procedure, see ENR 1.10.

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<b>A581</b>						
BOMAS ▲ 172305N 0980549E	082° 262° 39.0 NM	FL 460 10 500 FT Class A	10	↓	For continuation, see AIP Republic of the Union of Myanmar.	
TATEL ▲ 172905N 0984549E	009° 189° 39.0 NM	FL 110				
GOGOP ▲ 180813N 0985150E	009° 189° 38.0 NM					
CHIANG MAI DVOR/DME (CMA) ▲ 184558N 0985740E	037° 217° 25.0 NM	FL 350 7 500 FT Class A				
ADLUS ▲ 190610N 0991320E	037° 217° 33.0 NM	8 000 FT				
NUMDO ▲ 193243N 0993402E	037° 218° 30.0 NM					
CHIANG RAI DVOR/DME (CTR) ▲ 195654N 0995300E	053° 233° 36.0 NM	FL 460 6 500 FT Class A				
PONUK ▲ 201858N 1002306E		7 000 FT		↑		
For flight planning procedure, see ENR 1.10.						

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<b>B202</b>  ▲ <u>UBON DVOR/DME (UBL)</u> 151443N 1045157E  ▲ <u>PAKSE VOR/DME (PAK)</u> 151148N 1054417E	  093° 273° 51.0 NM	  FL 460 FL 260 Class A FL 270	  (*)	  ↓   ↑	  (*) 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.					

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<b>B204</b>  <u>GOMES</u> ▲ 132406N 1013506E  <u>AGEDO</u> ▲ 132419N 1022139E	  090° 270° 45.0 NM	  FL 460 FL 135 Class A FL 140	  (*)	  ↓	  (*) For width of airways, see ENR 2.1-1.
For flight planning procedure, see ENR 1.10.					



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<b>B205</b> <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	  (*)	  ↓    ↑	     (*) For width of airways, see ENR 2.1-1.
For flight planning procedure, see ENR 1.10.					

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<b>B218</b> <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.
For flight planning procedure, see ENR 1.10.					

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<b>B346</b>  ▲ <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	  ↓         ↑	Conditional Route (CDR) availability; Portion between NOBER-PCB  CDR1 1. Weekdays, Monday to Friday 1700-2200 UTC 2. From Friday 1700 UTC to Sunday 2200 UTC 3. Public Holidays  CDR2 Other periods, Availability will be Notified by Airspace use plan (AUP) Published in <a href="http://www.thaicmac.aerothai.aero">www.thaicmac.aerothai.aero</a>
For flight planning procedure, see ENR 1.10.					

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<b>B460</b>  <u>KHORAT DVOR/DME (KRT)</u> ▲ 145502N 1020823E  BODUR ▲ 154853N 1032127E  <u>ROI-ET DVOR/DME (ROT)</u> ▲ 160701N 1034619E  RURAR ▲ 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	  ↓          ↑	Conditional Route (CDR) Availability; Portion between KRT-ROT  CDR1 1. Weekdays, Monday to Friday 1000-2300 UTC 2. From Friday 1000 UTC to Sunday 2300 UTC 3. Public Holidays  CDR2 Other periods, Availability will be Notified by Airspace use plan (AUP) Published in www.thaicmac.aerothai.aero  For continuation, see AIP Lao People's Democratic Republic.
For flight planning procedure, see ENR 1.10.					

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<b>B579</b>  <u>PHUKET DVOR/DME (PUT)</u> ▲ 080655N 0981823E  <u>REBED</u> ▲ 074332N 0983736E  <u>NUTGU</u> ▲ 072803N 0985020E  <u>DALAN</u> ▲ 062808N 0993920E	  141° — 321° 30.0 NM  141° — 321° 20.0 NM  141° — 321° 77.0 NM	  FL 460 — 6 500 FT Class A 7 000 FT  FL 460 — 6 500 FT Class A 7 000 FT  FL 460 — 9 500 FT Class A 10 000 FT	  20	  ↓          ↑	
For flight planning procedure, see ENR 1.10.					

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<b>G331</b>  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.					

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<b>G458</b>					
▲ <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					
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<b>G463</b>  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  	  (*)  	  ↓  ↑	  (*) For width of airways, see ENR 2.1-1.
For flight planning procedure, see ENR 1.10.					



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<b>G473</b> 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    	 (*)    	 ↓   ↑ 	 (*) For width of airways, see ENR 2.1-1.
For flight planning procedure, see ENR 1.10.					

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<b>G474</b> <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	  (*)	  ↓          ↑	          (*) For width of airways, see ENR 2.1-1.          For continuation, see AIP Kingdom of Cambodia.
For flight planning procedure, see ENR 1.10.					

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<b>R201</b> <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
For flight planning procedure, see ENR 1.10.					

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<b>R202</b>  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	  ↓  ↑	
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<b>R203</b>  <u>PHUKET DVOR/DME (PUT)</u> ▲ 080655N 0981823E  UBZEN ▲ 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.					



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<b>R215</b> CHIANG RAI DVOR/DME (CTR) ▲ 195654N 0995300E DUBEN ▲ 193249N 1001207E NAN DVOR/DME (NAN) ▲ 184833N 1004657E TOMIP ▲ 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	 (*)	 ↓       ↑	          For continuation, see AIP Lao People's Democratic Republic.
For flight planning procedure, see ENR 1.10.					

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<b>R325</b>						
▲ <u>IKULA</u> 100007N 0972114E	154° 334° 66.0 NM	FL 460 9 000 FT Class A 10 000 FT	(*)	↓	(*) For width of airways, see ENR 2.1-1.	
▲ <u>MUDMA</u> 090050N 0975115E	154° 334° 30.0 NM	FL 460 6 500 FT Class A 7 000 FT				
▲ <u>UPSAB</u> 083348N 0980452E	154° 334° 30.0 NM	7 000 FT				
▲ <u>PHUKET DVOR/DME (PUT)</u> 080655N 0981823E	134° 314° 30.0 NM					
▲ <u>URGAD</u> 074615N 0984031E	133° 313° 5.0 NM					
▲ <u>OSVIP</u> 074253N 0984409E	134° 314° 62.0 NM	FL 460 9 500 FT Class A 10 000 FT				
▲ <u>UTHAI</u> 070008N 0992949E	132° 312° 51.0 NM					
▲ <u>DUBAX</u> 062556N 1000737E				↑		
For flight planning procedure, see ENR 1.10.						



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<b>R334</b>  <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	  ↓    ↑	
For flight planning procedure, see ENR 1.10.					

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

For flight planning procedure, see ENR 1.10.

Route designator (RNP type) Name of significant points Coordinates  <b>1</b>	Track MAG (GEO) VOR RDL DIST(COP)  <b>2</b>	Upper limits Lower limits or Airspace classification Minimum flight altitude  <b>3</b>	Lateral limits NM  <b>4</b>	Direction of cruising levels  Odd   Even  <b>5</b>	Remarks Controlling unit Frequency  <b>6</b>
<b>R468</b>  <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	  (*)          	  ↓          ↑	  (*) 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
<b>R470</b>					
VIENTIANE DVOR/DME (VTN) ▲ 180037N 1023226E	161° 341°	FL 460 3 500 FT	(*)	↓	For continuation, see AIP Lao People's Democratic Republic.
ELNET ▲ 174625N 1023746E	15.0 NM	Class A 4 000 FT			(*) For width of airways, see ENR 2.1-1.
UDON DVOR/DME (UDN) ▲ 172304N 1024630E	161° 341°	25.0 NM			
POVEX ▲ 165905N 1030530E	144° 324°	FL 460 6 500 FT			
DOTUS ▲ 163103N 1032732E	30.0 NM	Class A 7 000 FT			
ROI-ET DVOR/DME (ROT) ▲ 160701N 1034619E	144° 324°	35.0 NM			
ENTEK ▲ 154755N 1041024E	130° 310°	30.0 NM			
UBON DVOR/DME (UBL) ▲ 151443N 1045157E	130° 310°	30.0 NM		↑	
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates  <b>1</b>	Track MAG (GEO) VOR RDL DIST(COP)  <b>2</b>	Upper limits Lower limits or Airspace classification Minimum flight altitude  <b>3</b>	Lateral limits NM  <b>4</b>	Direction of cruising levels  Odd   Even  <b>5</b>	Remarks Controlling unit Frequency  <b>6</b>
<b>R474</b>					
▲ <u>BANGKOK DVOR/DME (BKK)</u> 135337N 1003546E	027° 207°	FL 460 6 500 FT	(*)	↓	(*) For width of airways, see ENR 2.1-1.
▲ <u>ALBOS</u> 144442N 1010142E	57.0 NM	Class A 7 000 FT			
▲ <u>CHUM PHAE DVOR/DME (CMP)</u> 163811N 1015905E	126.0 NM	FL 460 3 500 FT			CDR1 1. Weekdays, Monday to Friday 0900-0100 UTC. 2. Friday 0900 UTC to Monday 0100 UTC 3. Public Holidays
▲ <u>LEDER</u> 175044N 1022825E	78.0 NM	Class A 4 000 FT			CDR2 Other Periods, Availability shall be notified by Airspace use plan (AUP) published in <a href="http://www.thaicmac.aerothai.aero">www.thaicmac.aerothai.aero</a>
▲ <u>VIENTIANE DVOR/DME (VTN)</u> 180037N 1023226E	11.0 NM	Class A 4 000 FT		↑	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  <b>1</b>	Track MAG (GEO) VOR RDL DIST(COP)  <b>2</b>	Upper limits Lower limits or Airspace classification Minimum flight altitude  <b>3</b>	Lateral limits NM  <b>4</b>	Direction of cruising levels  Odd   Even  <b>5</b>	Remarks Controlling unit Frequency  <b>6</b>		
<b>R575</b>							
▲ 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° 15.0 NM	FL 460 FL 155 Class A					
▲ ANBUX 102137.46N 1011908.25E	053° 233° 40.0 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  <b>1</b>	Track MAG (GEO) VOR RDL DIST(COP)  <b>2</b>	Upper limits Lower limits or Airspace classification Minimum flight altitude  <b>3</b>	Lateral limits NM  <b>4</b>	Direction of cruising levels  Odd   Even  <b>5</b>	Remarks Controlling unit Frequency  <b>6</b>		
<b>R588</b>							
▲ PHUKET DVOR/DME (PUT) 080655N 0981823E	092° 272° 30.0 NM	FL 460 9 500 FT Class A	(*)	↓	(*) For width of airways, see ENR 2.1-1.		
▲ EMRIT 080621N 0984840E	090° 270° 10.0 NM	10 000 FT					
▲ KRABI DVOR/DME (KBI) 080627N 0985839E	092° 272° 87.0 NM						
▲ RELIP 080432N 1002619E	052° 232° 37.0 NM	FL 460 FL 155 Class A					
▲ IDRUK 082724N 1005513E	052° 232° 12.0 NM	FL 160					
△ SUPIN 083435N 1010419E	052° 232° 32.0 NM						
△ MUBAN 085441N 1012952E	052° 232° 6.0 NM						
▲ OSROG 085819.63N 1013430.71E	052° 232° 31.0 NM						
△ TONIK 091736N 1015907E	052° 232° 28.0 NM						
▲ BASIT 093447N 1022108E						↑	
For flight planning procedure, see ENR 1.10.							

Route designator (RNP type) Name of significant points Coordinates  <b>1</b>	Track MAG (GEO) VOR RDL DIST(COP)  <b>2</b>	Upper limits Lower limits or Airspace classification Minimum flight altitude  <b>3</b>	Lateral limits NM  <b>4</b>	Direction of cruising levels  Odd   Even  <b>5</b>	Remarks Controlling unit Frequency  <b>6</b>	
<b>W1</b>						
▲ BANGKOK DVOR/DME (BKK) 135337N 1003546E	044° 224° 51.0 NM	FL 460 6 500 FT Class A	10	↓		
▲ MALKI 143111N 1011153E	067° 247° 15.0 NM	7 000 FT				
▲ UBLOD 143715N 1012612E	067° 247° 45.0 NM	FL 460 12 500 FT/FL 125 Class A				
▲ KHORAT DVOR/DME (KRT) 145502N 1020823E	082° 262° 51.0 NM	13 000 FT/FL 130				
▲ RAMEI 150240N 1030040E	082° 262° 22.0 NM	FL 460 6 500 FT Class A				
△ RAMBU 150554N 1032319E	082° 262° 23.0 NM	7 000 FT				
▲ GRASO 150917N 1034714E	086° 266° 63.0 NM					
▲ UBON DVOR/DME (UBL) 151443N 1045157E					↑	
For flight planning procedure, see ENR 1.10.						



Route designator (RNP type) Name of significant points Coordinates  <b>1</b>	Track MAG (GEO) VOR RDL DIST(COP)  <b>2</b>	Upper limits Lower limits or Airspace classification Minimum flight altitude  <b>3</b>	Lateral limits NM  <b>4</b>	Direction of cruising levels  Odd   Even  <b>5</b>	Remarks Controlling unit Frequency  <b>6</b>
<b>W4</b>					
UDON DVOR/DME (UDN)					
▲ 172304N 1024630E	144° ----- 324°	FL 460 ----- 6 500 FT	(*)	↓	(*) For width of airways, see ENR 2.1-1.
POVEX	30.0 NM	Class A			
▲ 165905N 1030530E	144° ----- 324°	7 000 FT			
DOTUS	35.0 NM				
▲ 163103N 1032732E	144° ----- 324°				
ROI-ET DVOR/DME (ROT)	30.0 NM				
▲ 160701N 1034619E	130° ----- 310°				
ENTEK	30.0 NM				
▲ 154755N 1041024E	130° ----- 310°			↑	
UBON DVOR/DME (UBL)	52.0 NM				
▲ 151443N 1045157E					
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates  <b>1</b>	Track MAG (GEO) VOR RDL DIST(COP)  <b>2</b>	Upper limits Lower limits or Airspace classification Minimum flight altitude  <b>3</b>	Lateral limits NM  <b>4</b>	Direction of cruising levels  Odd   Even  <b>5</b>	Remarks Controlling unit Frequency  <b>6</b>		
<b>W5</b>							
▲ UDON DVOR/DME (UDN) 172304N 1024630E	180° 000°	FL 460 6 500 FT	(*)	↓	(*) 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  <b>1</b>	Track MAG (GEO) VOR RDL DIST(COP)  <b>2</b>	Upper limits Lower limits or Airspace classification Minimum flight altitude  <b>3</b>	Lateral limits NM  <b>4</b>	Direction of cruising levels  Odd   Even  <b>5</b>	Remarks Controlling unit Frequency  <b>6</b>
<b>W6</b>  ▲ <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	  $\frac{023^\circ}{203^\circ}$ 70.0 NM  $\frac{023^\circ}{203^\circ}$ 30.0 NM  $\frac{061^\circ}{241^\circ}$ 24.0 NM  $\frac{061^\circ}{241^\circ}$ 65.0 NM  $\frac{071^\circ}{251^\circ}$ 31.0 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  <b>1</b>	Track MAG (GEO) VOR RDL DIST (COP)  <b>2</b>	Upper limits Lower limits or Airspace classification Minimum flight altitude  <b>3</b>	Lateral limits NM  <b>4</b>	Direction of cruising levels  Odd   Even  <b>5</b>	Remarks Controlling unit Frequency  <b>6</b>
<b>W7</b> CHIANG MAI DVORDME (CMA) ▲ 184558N 0985740E PUMAM ▲ 180831N 0985001E VEGRA ▲ 170333N 0983653E MAE SOT DVORDME (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	(*)	↓          ↑	(*) 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  <b>1</b>	Track MAG (GEO) VOR RDL DIST(COP)  <b>2</b>	Upper limits Lower limits or Airspace classification Minimum flight altitude  <b>3</b>	Lateral limits NM  <b>4</b>	Direction of cruising levels  Odd   Even  <b>5</b>	Remarks Controlling unit Frequency  <b>6</b>
<b>W8</b>  ▲ 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	  (*)	  ↓    ↑	     (*) 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  <b>1</b>	Track MAG (GEO) VOR RDL DIST(COP)  <b>2</b>	Upper limits Lower limits or Airspace classification Minimum flight altitude  <b>3</b>	Lateral limits NM  <b>4</b>	Direction of cruising levels  Odd   Even  <b>5</b>	Remarks Controlling unit Frequency  <b>6</b>
<b>W9</b>					
▲ MAE HONG SON DVOR/DME (MHS) 191911N 0975444E	120° 300°	FL 460 8 500 FT	20	↓	Excluding restricted area VTR5.  (* ) For width of airways, see ENR 2.1-1.
▲ BOKIB 190434N 0982225E	30.0 NM	Class A 9 000 FT			
▲ VISES 185811N 0983438E	119° 300°				
▲ CHIANG MAI DVOR/DME (CMA) 184558N 0985740E	13.2 NM				
▲ PANTA 181351N 0991917E	120° 300°				
▲ SARIM 173030N 0994737E	25.0 NM	FL 460 6 500 FT			
▲ PIBIK 171130N 1000028E	148° 328°	Class A 7 000 FT			
▲ PHITSANULOK DVOR/DME (PSL) 164613N 1001729E	38.0 NM				
▲ PEBLI 161606N 1001736E	149° 329°				
▲ TAKHLI NDB (TL) 151633N 1001751E	51.0 NM				
▲ BANGKOK DVOR/DME (BKK) 135337N 1003546E	148° 328°				
	23.0 NM				
	148° 328°				
	30.0 NM				
	181° 000°				
	30.0 NM				
	181° 000°				
	59.0 NM				
	169° 349°				
	84.0 NM				
				↑	
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates  <b>1</b>	Track MAG (GEO) VOR RDL DIST(COP)  <b>2</b>	Upper limits Lower limits or Airspace classification Minimum flight altitude  <b>3</b>	Lateral limits NM  <b>4</b>	Direction of cruising levels  Odd   Even  <b>5</b>	Remarks Controlling unit Frequency  <b>6</b>
<b>W10</b>  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  <b>1</b>	Track MAG (GEO) VOR RDL DIST(COP)  <b>2</b>	Upper limits Lower limits or Airspace classification Minimum flight altitude  <b>3</b>	Lateral limits NM  <b>4</b>	Direction of cruising levels  Odd   Even  <b>5</b>	Remarks Controlling unit Frequency  <b>6</b>
<b>W12</b>  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	  (*)	  ↓    ↑	      (*) 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  <b>1</b>	Track MAG (GEO) VOR RDL DIST(COP)  <b>2</b>	Upper limits Lower limits or Airspace classification Minimum flight altitude  <b>3</b>	Lateral limits NM  <b>4</b>	Direction of cruising levels  Odd   Even  <b>5</b>	Remarks Controlling unit Frequency  <b>6</b>
<b>W13</b>  ▲ <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	  (*)	  ↓    ↑	     (*) 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  <b>1</b>	Track MAG (GEO) VOR RDL DIST(COP)  <b>2</b>	Upper limits Lower limits or Airspace classification Minimum flight altitude  <b>3</b>	Lateral limits NM  <b>4</b>	Direction of cruising levels  Odd   Even  <b>5</b>	Remarks Controlling unit Frequency  <b>6</b>
<b>W14</b>					
▲ 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		
<b>W15</b>							
▲ CHIANG MAI DVOR/DME (CMA) 184558N 0985740E	120° 300°	FL 460 6 500 FT	(*)	↓	(*) 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
<b>W16</b>					
▲ <u>CHIANG MAI DVOR/DME (CMA)</u>					
▲ 184558N 0985740E	127° 307°	FL 460 6 500 FT	(*)	↓	(*) For width of airways, see ENR 2.1-1.
▲ <u>ASAVI</u>	38.0 NM	Class A			
▲ 182326N 0992958E	127° 307°	7 000 FT			
▲ <u>UTTAR</u>	68.0 NM				
▲ 174305N 1002706E	127° 307°				
▲ <u>CHUM PHAE DVOR/DME (CMP)</u>	109.0 NM				
▲ 163811N 1015905E	103° 283°				
▲ <u>ONUVI</u>	27.0 NM				
▲ 163228N 1022655E	103° 283°			↑	
▲ <u>KHON KAEN DVOR/DME (KKN)</u>	20.0 NM				
▲ 162815N 1024716E					
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates  <b>1</b>	Track MAG (GEO) VOR RDL DIST(COP)  <b>2</b>	Upper limits Lower limits or Airspace classification Minimum flight altitude  <b>3</b>	Lateral limits NM  <b>4</b>	Direction of cruising levels  Odd   Even  <b>5</b>	Remarks Controlling unit Frequency  <b>6</b>
<b>W17</b>  <u>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	  $\frac{140^\circ}{320^\circ}$ 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	  $\frac{FL\ 460}{6\ 500\ FT}$ Class A 7 000 FT  $\frac{FL\ 460}{7\ 500\ FT}$ Class A 8 000 FT	  10	  ↓         ↑	
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates  <b>1</b>	Track MAG (GEO) VOR RDL DIST(COP)  <b>2</b>	Upper limits Lower limits or Airspace classification Minimum flight altitude  <b>3</b>	Lateral limits NM  <b>4</b>	Direction of cruising levels  Odd   Even  <b>5</b>	Remarks Controlling unit Frequency  <b>6</b>
<b>W19</b>					
▲ <u>BANGKOK DVOR/DME (BKK)</u> 135337N 1003546E	182° 002°	FL 460 6 500 FT	(*)	↓	(*) For width of airways, see ENR 2.1-1.
△ <u>POLAK</u> 132106N 1003454E	32.0 NM	Class A 7 000 FT			
▲ <u>GUTSO</u> 124820N 1003454E	181° 001°				
▲ <u>REGOS</u> 120007N 1003454E	33.0 NM				
▲ <u>DIRAX</u> 110007N 1003248E	181° 001°				
▲ <u>TUSPU</u> 101948N 1003108E	48.0 NM				
▲ <u>UPNEP</u> 094213N 1002936E	182° 002°				
▲ <u>ROBDA</u> 092558N 1003511E	60.0 NM				
▲ <u>IDRUK</u> 082724N 1005513E	183° 003°				
△ <u>ADNEP</u> 080344N 1010318E	40.0 NM				
▲ <u>NARATHIWAT DVOR/DME (NTW)</u> 063138N 1014442E	183° 003°			↑	
	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  <b>1</b>	Track MAG (GEO) VOR RDL DIST(COP)  <b>2</b>	Upper limits Lower limits or Airspace classification Minimum flight altitude  <b>3</b>	Lateral limits NM  <b>4</b>	Direction of cruising levels  Odd   Even  <b>5</b>	Remarks Controlling unit Frequency  <b>6</b>
<b>W20</b>					
▲ CHIANG MAI DVOR/DME (CMA)					
▲ 184558N 0985740E	$\frac{037^\circ}{217^\circ}$	$\frac{FL\ 350}{7\ 500\ FT}$	10	↓	
▲ 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  <b>1</b>	Track MAG (GEO) VOR RDL DIST(COP)  <b>2</b>	Upper limits Lower limits or Airspace classification Minimum flight altitude  <b>3</b>	Lateral limits NM  <b>4</b>	Direction of cruising levels  Odd   Even  <b>5</b>	Remarks Controlling unit Frequency  <b>6</b>
<b>W21</b> <u>BANGKOK DVOR/DME (BKK)</u> ▲ 135337N 1003546E  <u>NOBER</u> ▲ 151636N 1004006E  <u>CHUM PHAE DVOR/DME (CMP)</u> ▲ 163811N 1015905E  <u>SURGU</u> ▲ 170158N 1022408E  <u>UDON DVOR/DME (UDN)</u> ▲ 172304N 1024630E	 004° 184° 83.0 NM  044° 224° 111.0 NM  046° 227° 34.0 NM  047° 227° 30.0 NM	 FL 460 10 000 FT Class A 11 000 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  <b>1</b>	Track MAG (GEO) VOR RDL DIST(COP)  <b>2</b>	Upper limits Lower limits or Airspace classification Minimum flight altitude  <b>3</b>	Lateral limits NM  <b>4</b>	Direction of cruising levels  Odd   Even  <b>5</b>	Remarks Controlling unit Frequency  <b>6</b>
<b>W22</b>					
▲ PHITSANULOK DVOR/DME (PSL) 164613N 1001729E	356° 176°	FL 460 6 500 FT	10	↓	
▲ NIROP 171614N 1001444E	30.0 NM 356° 176°	Class A 7 000 FT			
▲ PHRAE DVOR/DME (PAE) 180803N 1000958E	52.0 NM 352° 172°				
▲ BENV 192707N 0995741E	80.0 NM 352° 172°			↑	
▲ CHIANG RAI DVOR/DME (CTR) 195654N 0995300E	30.0 NM				
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates  <b>1</b>	Track MAG (GEO) VOR RDL DIST(COP)  <b>2</b>	Upper limits Lower limits or Airspace classification Minimum flight altitude  <b>3</b>	Lateral limits NM  <b>4</b>	Direction of cruising levels  Odd   Even  <b>5</b>	Remarks Controlling unit Frequency  <b>6</b>
<b>W23</b>  ▲ PHITSANULOK DVOR/DME (PSL) 164613N 1001729E  ▲ POLOB 171309N 1000328E  △ PIVUT 174644N 0994553E  ▲ LAMPANG DVOR/DME (LPN) 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	  (*)        ↑	          ↓          ↑	          (*) 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  <b>1</b>	Track MAG (GEO) VOR RDL DIST(COP)  <b>2</b>	Upper limits Lower limits or Airspace classification Minimum flight altitude  <b>3</b>	Lateral limits NM  <b>4</b>	Direction of cruising levels  Odd   Even  <b>5</b>	Remarks Controlling unit Frequency  <b>6</b>
<b>W24</b>  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	  ↓         ↑	
For flight planning procedure, see ENR 1.10.					



Route designator (RNP type)* Name of significant points Coordinates  <b>1</b>	Track MAG (GEO) VOR RDL DIST (COP)  <b>2</b>	Upper limits Lower limits or Airspace classification Minimum flight altitude  <b>3</b>	Lateral limits NM  <b>4</b>	Direction of cruising levels  Odd   Even  <b>5</b>	Remarks Controlling unit Frequency  <b>6</b>
<b>W26</b>					
▲ MAE SOT DVORDME (MST) 164152N 0983230E	074° 254°	FL 460 6 500 FT	(*)	↓	(*) For width of airways, see ENR 2.1-1.
▲ KADAV 164754N 0985341E	21.0 NM 074° 254°	Class A 7 000 FT			
▲ TAK NDB (TK) 165358N 0991508E	22.0 NM 098° 278°				
▲ PHITSANULOK DVORDME (PSL) 164613N 1001729E	60.0 NM 097° 277°				
▲ GOKON 164301N 1004834E	30.0 NM 097° 277°				
▲ PHETCHABUN DVORDME (PCB) 164034N 1011148E	22.0 NM 094° 274°				
▲ CHUM PHAE DVORDME (CMP) 163811N 1015905E	46.0 NM			↑	
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates  <b>1</b>	Track MAG (GEO) VOR RDL DIST(COP)  <b>2</b>	Upper limits Lower limits or Airspace classification Minimum flight altitude  <b>3</b>	Lateral limits NM  <b>4</b>	Direction of cruising levels  Odd   Even  <b>5</b>	Remarks Controlling unit Frequency  <b>6</b>
<b>W27</b>  ▲ 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	  (*)	  ↓         ↑	          (*) 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  <b>1</b>	Track MAG (GEO) VOR RDL DIST(COP)  <b>2</b>	Upper limits Lower limits or Airspace classification Minimum flight altitude  <b>3</b>	Lateral limits NM  <b>4</b>	Direction of cruising levels  Odd   Even  <b>5</b>	Remarks Controlling unit Frequency  <b>6</b>
<b>W28</b>  SURAT THANI DVOR/DME (STN) ▲ 090746N 0990805E  SEGRA ▲ 085300N 0992831E  NAKHON SI THAMMARAT DVOR/DME (NKS) ▲ 083230N 0995649E  HAT YAI DVOR/DME (HTY) ▲ 065603N 1002316E	  126° 306°  25.0 NM  126° 306°  35.0 NM  165° 345°  100.0 NM   	  FL 460 8 500 FT  Class A 9 000 FT  FL 460 7 500 FT  Class A 8 000 FT   	  10       	  ↓      ↑	          
For flight planning procedure, see ENR 1.10.					

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



Route designator (RNP type) Name of significant points Coordinates  <b>1</b>	Track MAG (GEO) VOR RDL DIST(COP)  <b>2</b>	Upper limits Lower limits or Airspace classification Minimum flight altitude  <b>3</b>	Lateral limits NM  <b>4</b>	Direction of cruising levels  Odd   Even  <b>5</b>	Remarks Controlling unit Frequency  <b>6</b>
<b>W31</b>					
▲ 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  <b>1</b>	Track MAG (GEO) VOR RDL DIST(COP)  <b>2</b>	Upper limits Lower limits or Airspace classification Minimum flight altitude  <b>3</b>	Lateral limits NM  <b>4</b>	Direction of cruising levels  Odd   Even  <b>5</b>	Remarks Controlling unit Frequency  <b>6</b>
<b>W32</b>					
▲ REGOS 120007N 1003454E	193° 013° 43.0 NM	FL 460 3 500 FT Class A	10		Uni-directional northbound from GOKEK to REGOS  Conditional Route (CDR) availability; Portion between REGOS – SMU  CDR1 1. Weekdays, Monday to Friday 1700-2300 UTC. 2. Friday 1700 UTC to Sunday 2300 UTC 3. Public Holidays  CDR2 Other Periods, Availability shall be notified by Airspace use plan (AUP) published 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  <b>1</b>	Track MAG (GEO) VOR RDL DIST(COP)  <b>2</b>	Upper limits Lower limits or Airspace classification Minimum flight altitude  <b>3</b>	Lateral limits NM  <b>4</b>	Direction of cruising levels  Odd   Even  <b>5</b>	Remarks Controlling unit Frequency  <b>6</b>		
<b>W33</b>							
▲ PHUKET DVOR/DME (PUT) 080655N 0981823E	069° 249° 30.0 NM	FL 460 9 500 FT Class A	10	↓	Conditional Route (CDR) availability, portion between PUT – SMU  CDR1 1. Weekdays, Monday to Friday 1700-2300 UTC 2. Friday 1700 UTC to Sunday 2300 UTC 3. Public Holidays  CDR2 Other Periods, Availability shall be notified by Airspace use plan (AUP) published in <a href="http://www.thaicmac.aerothai.aero">www.thaicmac.aerothai.aero</a>		
▲ ONET1 081757N 0984633E	069° 249° 45.0 NM	10 000 FT					
▲ RECNO 083425N 0992825E	031° 211° 38.0 NM	FL 460 6 500 FT Class A					
▲ MESEM 090719N 0994816E	031° 211° 30.0 NM	7 000 FT					
▲ SAMUI DVOR/DME (SMU) 093249N 1000342E	070° 250° 15.0 NM						
△ VININ 093754N 1001740E	070° 250° 13.0 NM						
▲ UPNEP 094213N 1002936E	046° 226° 8.0 NM						
▲ MABKO 094809N 1003543E	046° 226° 103.0 NM						
▲ SURIX 105959N 1015015E	021° 201° 81.0 NM						
▲ TRAT NDB (TRT) 121628N 1021850E	310° 129° 48.0 NM						
▲ RAYONG DVOR/DME (RYN) 124648N 1014042E						↑	
For flight planning procedure, see ENR 1.10.							

Route designator (RNP type) Name of significant points Coordinates  <b>1</b>	Track MAG (GEO) VOR RDL DIST(COP)  <b>2</b>	Upper limits Lower limits or Airspace classification Minimum flight altitude  <b>3</b>	Lateral limits NM  <b>4</b>	Direction of cruising levels  Odd   Even  <b>5</b>	Remarks Controlling unit Frequency  <b>6</b>
<b>W34</b>  ▲ <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  <b>1</b>	Track MAG (GEO) VOR RDL DIST(COP)  <b>2</b>	Upper limits Lower limits or Airspace classification Minimum flight altitude  <b>3</b>	Lateral limits NM  <b>4</b>	Direction of cruising levels  Odd   Even  <b>5</b>	Remarks Controlling unit Frequency  <b>6</b>
<b>W35</b>					
▲ UPNEP 094213N 1002936E	206° 026°	FL 460 7 500 FT	10	↓	Conditional Route (CDR) availability, portion between UPNEP – NKS
▲ PINUN 092825N 1002306E	15.0 NM 205° 025°	Class A 8 000 FT			CDR1 1. Weekdays, Monday to Friday 1700-2300 UTC 2. Friday 1700 UTC to Sunday 2300 UTC 3. Public Holidays
▲ PAGLU 091549N 1001709E	14.0 NM 205° 025°			↑	CDR2 Other Periods, Availability shall be notified by Airspace use plan (AUP) published in www.thaicmac.aerothai.aero
▲ 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  <b>1</b>	Track MAG (GEO) VOR RDL DIST(COP)  <b>2</b>	Upper limits Lower limits or Airspace classification Minimum flight altitude  <b>3</b>	Lateral limits NM  <b>4</b>	Direction of cruising levels  Odd   Even  <b>5</b>	Remarks Controlling unit Frequency  <b>6</b>
<b>W36</b>  ▲ <u>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	  321° 141° 25.0 NM  321° 141° 10.0 NM  280° 100° 7.4 NM  280° 100° 30.0 NM	  FL 460 8 000 FT Class A 9 000 FT	  10	  ↓        ↑	
For flight planning procedure, see ENR 1.10.					



Route designator (RNP type) Name of significant points Coordinates  <b>1</b>	Track MAG (GEO) VOR RDL DIST(COP)  <b>2</b>	Upper limits Lower limits or Airspace classification Minimum flight altitude  <b>3</b>	Lateral limits NM  <b>4</b>	Direction of cruising levels  Odd   Even  <b>5</b>	Remarks Controlling unit Frequency  <b>6</b>
<b>W39</b>  NOBER ▲ <u>151636N 1004006E</u>  PHETCHABUN DVORDME (PCB) ▲ <u>164034N 1011148E</u>  DUBOL ▲ <u>171004N 1013154E</u>  LOEI DVORDME (LOY) ▲ <u>172649N 1014323E</u>	  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	  (*)	  ↓         ↑	Conditional Route (CDR) availability:  CDR1 1. Weekdays, Monday to Friday 1700-2200 UTC. 2. Friday 1700 UTC to Sunday 2200 UTC 3. Public Holidays  CDR2 Other Periods, Availability shall be notified by Airspace use plan (AUP) published in <a href="http://www.thaicmac.aerothai.aero">www.thaicmac.aerothai.aero</a>  (*) 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  <b>1</b>	Track MAG (GEO) VOR RDL DIST(COP)  <b>2</b>	Upper limits Lower limits or Airspace classification Minimum flight altitude  <b>3</b>	Lateral limits NM  <b>4</b>	Direction of cruising levels  Odd   Even  <b>5</b>	Remarks Controlling unit Frequency  <b>6</b>
<b>W40</b>  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	  ↓  ↑	
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates  <b>1</b>	Track MAG (GEO) VOR RDL DIST(COP)  <b>2</b>	Upper limits Lower limits or Airspace classification Minimum flight altitude  <b>3</b>	Lateral limits NM  <b>4</b>	Direction of cruising levels  Odd   Even  <b>5</b>	Remarks Controlling unit Frequency  <b>6</b>	
<b>W42</b>						
▲ 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  <b>1</b>	Track MAG (GEO) VOR RDL DIST(COP)  <b>2</b>	Upper limits Lower limits or Airspace classification Minimum flight altitude  <b>3</b>	Lateral limits NM  <b>4</b>	Direction of cruising levels  Odd   Even  <b>5</b>	Remarks Controlling unit Frequency  <b>6</b>
<b>W43</b>  ▲ <u>CHUM PHAE DVOR/DME (CMP)</u> 163811N 1015905E  ▲ <u>OKENA</u> 161608N 1042533E	  098° ----- 278°  142.0 NM	  FL 460 ----- 6 500 FT  Class A  7 000 FT	  20	  ↓    ↑	
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type)* Name of significant points Coordinates  <b>1</b>	Track MAG (GEO) VOR RDL DIST (COP)  <b>2</b>	Upper limits Lower limits or Airspace classification Minimum flight altitude  <b>3</b>	Lateral limits NM  <b>4</b>	Direction of cruising levels Odd   Even  <b>5</b>	Remarks Controlling unit Frequency  <b>6</b>
<b>W44</b> <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  <b>1</b>	Track MAG (GEO) VOR RDL DIST (COP)  <b>2</b>	Upper limits Lower limits or Airspace classification Minimum flight altitude  <b>3</b>	Lateral limits NM  <b>4</b>	Direction of cruising levels  Odd   Even  <b>5</b>	Remarks Controlling unit Frequency  <b>6</b>
<b>W94</b>  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  <b>1</b>	Track MAG (GEO) VOR RDL DIST (COP)  <b>2</b>	Upper limits Lower limits or Airspace classification Minimum flight altitude  <b>3</b>	Lateral limits NM  <b>4</b>	Direction of cruising levels  Odd   Even  <b>5</b>	Remarks Controlling unit Frequency  <b>6</b>
<b>W99</b> SAMUI DVOR/DME (SMU) ▲ 093249N 1000342E OLBAG ▲ 095849N 1001852E APUSA △ 100057N 1002007E DONSI ▲ 100738N 1002401E TUSPU ▲ 101948N 1003108E	 030° 210° 30.0 NM 030° 210° 2.0 NM 031° 211° 8.0 NM 031° 211° 14.0 NM	 FL 460 4 500 FT Class A 5 000 FT FL 460 6 500 FT Class A 7 000 FT	 10	 ↓	Uni-directional northbound route
For flight planning procedure, see ENR 1.10.					