

ENR 3. ATS ROUTES

ENR 3.1 LOWER AND UPPER ATS ROUTES

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		Remarks Controlling unit Frequency 6
				Odd	Even	
A1						<p>Uni-directional system will be applied for a portion between BKK DVOR/DME and UBL DVOR/DME as follows:</p> <ul style="list-style-type: none"> - 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
BANGKOK DVOR/DME (BKK)						
▲ 135337N 1003546E	071° 251° 51.0 NM	FL 460 7 500 FT Class A 8 000 FT	10	↓		
ROBKA						
▲ 141043N 1012508E	071° 251° 29.0 NM					
SELKA						
▲ 142020N 1015311E	071° 251° 54.0 NM					
TOPER						
▲ 143808N 1024538E	072° 252° 41.0 NM					
SANOT						
△ 145134N 1032548E	075° 255° 22.0 NM					
PASAT						
▲ 145727N 1034726E	075° 255° 65.0 NM					
UBON DVOR/DME (UBL)						
▲ 151443N 1045157E	077° 257° 44.0 NM	FL 460 9 500 FT Class A 10 000 FT		↓	↑	
BUTRA						
▲ 152506N 1053546E						
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 Lower limits or Airspace classification Minimum flight altitude	Lateral limits NM	Direction of cruising levels Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
A202					
RAMEI					
▲ 150240N 1030040E	049° 229°	FL 460 12 500 FT/FL 125	(*)	↓	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
GUROK	91.0 NM	Class A			
▲ 160329N 1041106E	049° 229°	13 000 FT/FL 125			
OKENA	19.0 NM				
▲ 161608N 1042533E	048° 228°	FL 460 6 500 FT			
SAVANNAKHET DVOR/DME (SAV)	26.0 NM	Class A 7 000 FT		↑	
▲ 163342N 1044556E					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 DVORDME (HTY)						
▲ 065603N 1002316E	112° 292°	FL 460 9 500 FT	20	↓		
TAXEB	25.0 NM	Class A				
▲ 064641N 1004645E	112° 292°	10 000 FT			↑	
PASVA	83.0 NM					
▲ 061529N 1020431E						For continuation, see AIP Malay- sia.
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 <hr/> Lower limits or Airspace classification Minimum flight altitude	Lateral limits NM	Direction of cruising levels <div>Odd Even</div>	Remarks Controlling unit Frequency
1	2	3	4	5	6
A457 <div>HAT YAI DVOR/DME (HTY)</div> <div>▲ 065603N 1002316E</div> <div>TAMOS</div> <div>▲ 063208N 1002407E</div>					
	<div>178°</div> <div><hr/>358°</div> <div>24.0 NM</div>	<div>FL 460</div> <div><hr/>9 500 FT</div> <div>Class A</div> <div>10 000 FT</div>	20	<div>↓</div> <div>↑</div>	
	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
A464						
CHIANG MAI DVORDME (CMA)						
▲ 184558N 0985740E	163° 343° 38.0 NM	FL 460 6 500 FT Class A	20	↓		
ENBAT						
▲ 180941N 0991004E	163° 343° 42.0 NM	7 000 FT				
TOPAS						
△ 172916N 0992358E	163° 343° 71.0 NM					
BEKOD						
▲ 162117N 0994636E	163° 343° 91.0 NM					
SEMBO						
▲ 145359N 1001548E	163° 343° 63.0 NM					
BANGKOK DVORDME (BKK)						
▲ 135337N 1003546E	182° 002° 32.0 NM					
POLAK						
△ 132106N 1003454E	181° 001° 33.0 NM					
GUTSO						
▲ 124820N 1003454E	181° 001° 48.0 NM					
REGOS						
▲ 120007N 1003454E	182° 002° 60.0 NM					
DIRAX						
△ 110007N 1003248E	183° 003° 40.0 NM	FL 460 3 500 FT Class A				
TUSPU						
▲ 101948N 1003108E	183° 003° 37.0 NM	4 000 FT				
UPNEP						
▲ 094213N 1002936E	182° 002° 40.0 NM					
APOBI						
▲ 090147N 1002814E	182° 002° 12.0 NM					
GUPMO						
▲ 085012N 1002750E	182° 002° 46.0 NM					
RELIP						
▲ 080432N 1002619E	183° 003° 33.0 NM					
PIMER					↑	
▲						

Route designator (RNP type) Name of significant points Coordinates	Track MAG (GEO) VOR RDL DIST (COP)	<div>Upper limits</div> <div>Lower limits</div> <div>or</div> Airspace classification Minimum flight altitude	Lateral limits NM	Direction of cruising levels <div>Odd Even</div>	Remarks Controlling unit Frequency
1	2	3	4	5	6
073045N 1002449E	<div>183°</div> <div>003°</div> <div>35.0 NM</div>	<div>FL 460</div> <div>3 500 FT</div> <div>Class A</div> <div>4 000 FT</div>	20	↓	
▲ <div>HAT YAI DVORDME (HTY)</div> <div>065603N 1002316E</div>	<div>163°</div> <div>343°</div> <div>27.0 NM</div>	<div>FL 460</div> <div>8 500 FT</div> <div>Class A</div> <div>9 000 FT</div>			
▲ <div>KARMI</div> <div>062940N 1003121E</div>				↑	
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 Lower limits or Airspace classification Minimum flight altitude	Lateral limits NM	Direction of cruising levels Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
A581					For continuation, see AIP Republic of the Union of Myanmar.
▲ BOMAS 172305N 0980549E	082° 262° 39.0 NM	FL 460 10 500 FT Class A FL 110	10	↓	
▲ TATEL 172905N 0984549E	009° 189° 39.0 NM				
▲ 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 8 000 FT			
▲ ADLUS 190610N 0991320E	037° 217° 33.0 NM				
▲ 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 7 000 FT			
▲ PONUK 201858N 1002306E					
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 <u>Lower limits</u> or Airspace classification Minimum flight altitude	Lateral limits NM	Direction of cruising levels Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
B202					
▲ <u>UBON DVOR/DME (UBL)</u> 151443N 1045157E	<u>093°</u> 273° 51.0 NM	<u>FL 460</u> FL 260 Class A FL 270	(*)	↓ ↑	
▲ <u>PAKSE VOR/DME (PAK)</u> 151148N 1054417E					
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 Lower limits or Airspace classification Minimum flight altitude	Lateral limits NM	Direction of cruising levels Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
B204					(*) For width of airways, see ENR 2.1-1.
▲ GOMES 132406N 1013506E	090° 270° 45.0 NM	FL 460 FL 135 Class A FL 140	(*)	↓	
▲ AGEDO 132419N 1022139E					
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					(*) For width of airways, see ENR 2.1-1.
RAYONG DVOR/DME (RYN)					
▲ 124648N 1014042E	078° 258° 33.0 NM	FL 460 FL 155 Class A	(*)	↓	
OLDIR	078° 258°	FL 160			
▲ 125401N 1021325E	16.0 NM			↑	
BOKAK					
▲ 125736N 1022947E					
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					
VIENTIANE DVOR/DME (VTN) ▲ 180037N 1023226E	235° 055° 38.0 NM	FL 460 3 500 FT Class A	20	↓	
NOGAD ▲ 173834N 1020021E	235° 055° 20.0 NM	4 000 FT		↑	
LOEI DVOR/DME (LOY) ▲ 172649N 1014323E	164° 344° 20.0 NM	FL 460 6 500 FT Class A		↓	
BOVGO ▲ 170740N 1014935E	164° 344° 31.0 NM	7 000 FT		↑	
CHUM PHAE DVOR/DME (CMP) ▲ 163811N 1015905E					
For flight planning procedure, see ENR 1.10.					For continuation, see AIP Lao People's Democratic Republic.

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 Odd Even		Remarks Controlling unit Frequency
1	2	3	4	5		6
B346						
▲ <u>BANGKOK DVOR/DME (BKK)</u> 135337N 1003546E	<u>003°</u> 183° 83.0 NM	<u>FL 460</u> 10 000 FT Class A	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 www.thaicmac.aerothai.aero
▲ <u>NOBER</u> 151636N 1004006E	<u>021°</u> 201° 89.0 NM	11 000 FT/FL 110				
▲ <u>PHETCHABUN DVOR/DME (PCB)</u> 164034N 1011148E	<u>016°</u> 196° 66.0 NM					
▲ <u>YAKUA</u> 174415N 1013052E						
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 Lower limits or Airspace classification Minimum flight altitude	Lateral limits NM	Direction of cruising levels Odd Even	Remarks Controlling unit Frequency	
1	2	3	4	5	6	
B460 <div><div><div>KHORAT DVOR/DME (KRT)</div><div>▲ 145502N 1020823E</div></div><div><div>BODUR</div><div>▲ 154853N 1032127E</div></div><div><div>ROI-ET DVOR/DME (ROT)</div><div>▲ 160701N 1034619E</div></div><div><div>RURAR</div><div>▲ 161943N 1041436E</div></div><div><div>SAVANNAKHET DVOR/DME (SAV)</div><div>▲ 163342N 1044556E</div></div></div>					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.	
	<div><div>053°</div><div>234°</div><div>89.0 NM</div></div>	<div><div>FL 460</div><div>6 500 FT</div><div>Class A</div><div>7 000 FT</div></div>	20	↓		
	<div><div>054°</div><div>234°</div><div>30.0 NM</div></div>					
	<div><div>066°</div><div>246°</div><div>30.0 NM</div></div>					
	<div><div>066°</div><div>246°</div><div>33.0 NM</div></div>			↑		
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	Track MAG (GEO) VOR RDL DIST (COP)	Upper limits Lower limits or Airspace classification Minimum flight altitude	Lateral limits NM	Direction of cruising levels Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
G331					
▲ PADET					
100007N 0981719E	180° 000° 53.0 NM	FL 460 9 500 FT Class A 10 000 FT	10	↓	
▲ DADSA					
090713N 0981749E	180° 000° 30.0 NM	FL 460 6 500 FT Class A 7 000 FT			
▲ SUSID					
083659N 0981808E	180° 000° 30.0 NM			↑	
▲ PHUKET DVOR/DME (PUT)					
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
				Odd	Even	
G458						
BANGKOK DVOR/DME (BKK)						
▲ 135337N 1003546E	197° 017° 44.0 NM	FL 460 7 500 FT Class A	10		↓	
MOTNA						
▲ 131110N 1002306E	197° 017° 12.0 NM	8 000 FT				
HOTEL						
▲ 130006N 1001948E	198° 018° 61.0 NM					
UKERA						
▲ 120207N 1000110E	196° 016° 56.0 NM					
MENEX						
▲ 110831N 0994543E	197° 017° 9.0 NM					
APRIL						
▲ 110007N 0994307E	198° 018° 92.0 NM					
IKERA						
▲ 093146N 0991532E	198° 018° 25.0 NM					
SURAT THANI DVOR/DME (STN)						
▲ 090746N 0990805E	220° 040° 25.0 NM	FL 460 6 500 FT Class A				
LAMUL						
▲ 084818N 0985208E	219° 039° 23.0 NM	7 000 FT				
SAVSA						
▲ 083016N 0983729E	220° 040° 30.0 NM			↑		
PHUKET DVOR/DME (PUT)						
▲ 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 	 (*) 	 ↓ ↑ 	 (*) 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	Track MAG (GEO) VOR RDL DIST (COP)	Upper limits Lower limits or Airspace classification Minimum flight altitude	Lateral limits NM	Direction of cruising levels Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
G473 MAKAS ▲ PHITSANULOK DVOR/DME (PSL) ▲ CHUM PHAE DVOR/DME (CMP) ▲ UBON DVORDME (UBL) ▲					(*) For width of airways, see ENR 2.1-1.
	<div>092° 272°</div> 103.0 NM	<div>FL 460 9 000 FT</div> Class A 10 000 FT	(*)	<div>↓</div> <div>↑</div>	
	<div>094° 275°</div> 98.0 NM				
	<div>116° 297°</div> 186.0 NM				
	For flight planning procedure, see ENR 1.10.				

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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					Excluding area of VTP7
▲ BANGKOK DVOR/DME (BKK)					
▲ 135337N 1003546E	162° 342° 77.0 NM	FL 460 6 500 FT Class A 7 000 FT	20	↓ ↑	
U-TAPAO DVOR/DME (BUT)					
▲ 124000N 1010002E					
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	064° 244° 89.0 NM	FL 460 12 500 FT/FL 125 Class A FL 130	10	↓ ↑	
PHRAE DVOR/DME (PAE)					
▲ 180803N 1000958E					
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 Lower limits or Airspace classification Minimum flight altitude	Lateral limits NM	Direction of cruising levels <div>Odd Even</div>	Remarks Controlling unit Frequency
1	2	3	4	5	6
R203 <div>▲ PHUKET DVORDME (PUT)</div> <div>080655N 0981823E</div> <div>▲ UBNEN</div> <div>080520N 0974812E</div> <div>▲ SAPAM</div> <div>080434N 0973300E</div>					(*) For width of airways, see ENR 2.1-1.
	<div>268° 087°</div> <div>30.0 NM</div>	<div>FL 460 6 500 FT</div> <div>Class A</div>	(*)	<div>↓</div>	
	<div>268° 088°</div> <div>15.0 NM</div>	7 000 FT		<div>↑</div>	
For flight planning procedure, see ENR 1.10.					

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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 Odd Even	Remarks Controlling unit Frequency	
1	2	3	4	5	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						
	<div>144° 324°</div> 30.0 NM	<div>FL 460 9 500 FT</div> Class A	(*)	↓		
	<div>144° 324°</div> 55.0 NM	10 000 FT				
	<div>051° 232°</div> 35.0 NM					
	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	Track MAG (GEO) VOR RDL DIST(COP)	Upper limits Lower limits or Airspace classification Minimum flight altitude	Lateral limits NM	Direction of cruising levels Odd Even	Remarks Controlling unit Frequency	
1	2	3	4	5	6	
R325						
▲ IKULA 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.	
▲ MUDMA 090050N 0975115E	154° 334° 30.0 NM	FL 460 6 500 FT Class A 7 000 FT				
▲ UPSAB 083348N 0980452E	154° 334° 30.0 NM					
▲ PHUKET DVOR/DME (PUT) 080655N 0981823E	134° 314° 30.0 NM					
▲ URGAD 074615N 0984031E	133° 313° 5.0 NM					
▲ OSVIP 074253N 0984409E	134° 314° 62.0 NM	FL 460 9 500 FT Class A 10 000 FT				
▲ UTHAI 070008N 0992949E	132° 312° 51.0 NM					
▲ DUBAX 062556N 1000737E						↑
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					
▲ RAYONG DVOR/DME (RYN)					
124648N 1014042E	132° 312° 103.0 NM	FL 460 FL 165 Class A FL 170	20	↓ ↑	
▲ SAKDA					
113654N 1030000E					
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 Lower limits or Airspace classification Minimum flight altitude	Lateral limits NM	Direction of cruising levels Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
R345					
▲ ROI-ET DVOR/DME (ROT)					
▲ 160701N 1034619E	180° 000°	FL 460 FL 215	10	↓	
▲ GRASO	58.0 NM	Class A			
▲ 150917N 1034714E	180° 000°	FL 220			
▲ PASAT	12.0 NM				
▲ 145727N 1034726E	180° 000°				
▲ PEKBA	9.0 NM				
▲ 144808N 1034733E	180° 000°				
▲ BIDEM	26.0 NM			↑	
▲ 142154N 1034750E					
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 Lower limits or Airspace classification Minimum flight altitude	Lateral limits NM	Direction of cruising levels Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
R468					
BANGKOK DVOR/DME (BKK)					
▲ 135337N 1003546E	117° 298° 18.0 NM	FL 460 7 500 FT Class A	(*)	↓	(*) For width of airways, see ENR 2.1-1.
UGIPA	118° 298° 32.0 NM	8 000 FT			
▲ GORSI	118° 298° 15.0 NM				
133055N 1012128E	117° 297° 23.0 NM				
GOMES	117° 297° 36.0 NM	FL 460 FL 155 Class A FL 160		↑	
▲ 132406N 1013506E					
BERLU					
▲ 131350N 1015620E					
BOKAK					
▲ 125736N 1022947E					For continuation, see AIP Kingdom of Cambodia.
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 Lower limits or Airspace classification Minimum flight altitude	Lateral limits NM	Direction of cruising levels Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
R470					For continuation, see AIP Lao People's Democratic Republic.
VIENTIANE DVOR/DME (VTN) ▲ 180037N 1023226E	161° 341° 15.0 NM	FL 460 3 500 FT Class A	(*)	↓	(*) For width of airways, see ENR 2.1-1.
ELNET ▲ 174625N 1023746E	161° 341° 25.0 NM	4 000 FT			
UDON DVOR/DME (UDN) ▲ 172304N 1024630E	144° 324° 30.0 NM	FL 460 6 500 FT Class A			
POVEX ▲ 165905N 1030530E	144° 324° 35.0 NM	7 000 FT			
DOTUS ▲ 163103N 1032732E	144° 324° 30.0 NM				
ROI-ET DVOR/DME (ROT) ▲ 160701N 1034619E	130° 310° 30.0 NM				
ENTEK ▲ 154755N 1041024E	130° 310° 52.0 NM				
UBON DVOR/DME (UBL) ▲ 151443N 1045157E				↑	
For flight planning procedure, see ENR 1.10.					

Route designator (RNP type) Name of significant points Coordinates	Track MAG (GEO) VOR RDL DIST(COP)	Upper limits Lower limits or Airspace classification Minimum flight altitude	Lateral limits NM	Direction of cruising levels Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
R474					
▲ <u>BANGKOK DVOR/DME (BKK)</u> 135337N 1003546E	<u>027°</u> 207°	<u>FL 460</u> 6 500 FT	(*)	↓	(*) For width of airways, see ENR 2.1-1. Conditional Route (CDR) availability: Portion between 7,000 FT to FL350 CDR1 1.Weekdays,Monday to Friday 0900-0100 UTC. 2. Friday 0900 UTC to Monday 0100 UTC 3.Public Holidays CDR2 Other Periods, Availability shall be notified by Airspace use plan (AUP) published in www.thaicmac.aerothai.aero For continuation, see AIP Lao Peo- ple's Democratic Republic.
▲ <u>ALBOS</u> 144442N 1010142E	57.0 NM	Class A 7 000 FT			
▲ <u>CHUM PHAE DVOR/DME (CMP)</u> 163811N 1015905E	<u>027°</u> 207°	126.0 NM			
▲ <u>LEDER</u> 175044N 1022825E	<u>022°</u> 202°	<u>FL 460</u> 3 500 FT			
	78.0 NM	Class A 4 000 FT			
▲ <u>VIENTIANE DVOR/DME (VTN)</u> 180037N 1023226E	<u>022°</u> 202°	<u>FL 460</u> 3 500 FT		↑	
	11.0 NM	Class A 4 000 FT			
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 Lower limits or Airspace classification Minimum flight altitude	Lateral limits NM	Direction of cruising levels Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
R575					
▲ PHUKET DVORDME (PUT) 080655N 0981823E	069° 249° 30.0 NM	FL 460 8 500 FT Class A 9 000 FT	10	↓	(*) For width of airways, see ENR 2.1-1.
▲ ONET1 081757N 0984633E	069° 249° 45.0 NM				
▲ RECNO 083425N 0992825E	031° 211° 38.0 NM				
▲ MESEM 090719N 0994816E	031° 211° 30.0 NM				
▲ SAMUI DVORDME (SMU) 093249N 1000342E	070° 250° 15.0 NM	FL 460 6 500 FT Class A 7 000 FT			
△ VININ 093754N 1001740E	070° 250° 13.0 NM				
▲ UPNEP 094213N 1002936E	051° 231° 48.0 NM		(*)		
△ EMELA 101249N 1010729E	053° 233° 15.0 NM	FL 460 FL 155 Class A FL 160			
▲ ANBUX 102137N 1011908E	053° 233° 40.0 NM				
▲ 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 DVORDME (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 DVORDME (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 085820N 1013431E	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 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						
BANGKOK DVOR/DME (BKK)						
▲ 135337N 1003546E	044° 224°	FL 460 6 500 FT	10	↓		
MALKI	51.0 NM	Class A				
▲ 143111N 1011153E	067° 247°	7 000 FT				
UBL0D	15.0 NM					
▲ 143715N 1012612E	067° 247°	FL 460 12 500 FT/FL 125				
KHORAT DVOR/DME (KRT)	45.0 NM	Class A				
▲ 145502N 1020823E	082° 262°	13 000 FT/FL 130				
RAMEI	51.0 NM					
▲ 150240N 1030040E	082° 262°	FL 460 6 500 FT				
RAMBU	22.0 NM	Class A				
△ 150554N 1032319E	082° 262°	7 000 FT				
GRASO	23.0 NM					
▲ 150917N 1034714E	086° 266°					
UBON DVOR/DME (UBL)	63.0 NM					
▲ 151443N 1045157E						
For flight planning procedure, see ENR 1.10.						

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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 Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
W6 <div><div><div><div></div><div>KHORAT DVOR/DME (KRT)</div></div><div>145502N 1020823E</div></div><div><div><div></div><div>EMRUT</div></div><div>160020N 1023533E</div></div><div><div><div></div><div>KHON KAEN DVOR/DME (KKN)</div></div><div>162815N 1024716E</div></div><div><div><div></div><div>AKRET</div></div><div>164016N 1030856E</div></div><div><div><div></div><div>SAKON NAKHON DVOR/DME (SKN)</div></div><div>171251N 1040812E</div></div><div><div><div></div><div>NAKHON PHANOM DVOR/DME (NKP)</div></div><div>172318N 1043818E</div></div></div>					(*) For width of airways, see ENR 2.1-1.
	<div><div>023°</div><div>203°</div></div> <div>70.0 NM</div>	<div><div>FL 460</div><div>6 500 FT</div><div>Class A</div><div>7 000 FT</div></div>	(*)	<div><div>↓</div><div>↑</div></div>	
	<div><div>023°</div><div>203°</div></div> <div>30.0 NM</div>				
	<div><div>061°</div><div>241°</div></div> <div>24.0 NM</div>				
	<div><div>061°</div><div>241°</div></div> <div>65.0 NM</div>				
	<div><div>071°</div><div>251°</div></div> <div>31.0 NM</div>				
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 Lower limits or Airspace classification Minimum flight altitude	Lateral limits NM	Direction of cruising levels		Remarks Controlling unit Frequency
1	2	3	4	Odd	Even	6
W7						(*) For width of airways, see ENR 2.1-1.
▲ CHIANG MAI DVORDME (CMA) 184558N 0985740E	192° 012° 38.0 NM	FL 460 8 000 FT Class A 9 000 FT	(*)		↓	
▲ PUMAM 180831N 0985001E	192° 012° 66.0 NM					
▲ VEGRA 170333N 0983653E	192° 012° 22.0 NM			↑		
▲ MAE SOT DVORDME (MST) 164152N 0983230E						
For flight planning procedure, see ENR 1.10.						

Route designator (RNP type) Name of significant points Coordinates

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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 Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
W10					For Military use only. (*) For width of airways, see ENR 2.1-1.
▲ <u>KAMPHAENG SAEN DVOR/DME (KPS)</u> 140956N 0995715E	<u>001°</u> 181°	<u>FL 260</u> 5 500 FT	(*)	↓ 	

Route designator (RNP type) Name of significant points Coordinates 1	Track MAG (GEO) VOR RDL DIST(COP) 2	<div>Upper limits</div> <div>Lower limits</div> <div>or</div> <div>Airspace classification</div> <div>Minimum flight altitude</div> 3	Lateral limits NM 4	Direction of cruising levels Odd Even 5	Remarks Controlling unit Frequency 6
W12					(*) For width of airways, see ENR 2.1-1.
▲ <div>CHIANG MAI DVOR/DME (CMA)</div> <div>184558N 0985740E</div>	<div>088°</div> <div>268°</div> <div>38.0 NM</div>	<div>FL 460</div> <div>7 000 FT</div> <div>Class A</div> <div>8 000 FT</div>	(*)	↓	
▲ <div>MONLO</div> <div>184702N 0993743E</div>	<div>088°</div> <div>268°</div> <div>66.0 NM</div>			↑	
▲ <div>NAN DVORDME (NAN)</div> <div>184833N 1004657E</div>					
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 Lower limits or Airspace classification Minimum flight altitude	Lateral limits NM	Direction of cruising levels	Remarks Controlling unit Frequency
1	2	3	4	5	6
W13					(*) For width of airways, see ENR 2.1-1.
▲ <u>LAMPANG DVOR/DME (LPN)</u> 181636N 0993008E	<u>103°</u> 283° 39.0 NM	<u>FL 460</u> 6 000 FT Class A 7 000 FT	(*)	↓	
▲ <u>PHRAE DVOR/DME (PAE)</u> 180803N 1000958E				↑	
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 Lower limits or Airspace classification Minimum flight altitude	Lateral limits NM	Direction of cruising levels Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
W14					
▲ PHUKET DVORDME (PUT) 080655N 0981823E	115° 295° 30.0 NM	FL 460 6 500 FT Class A 7 000 FT	10	↓	
▲ EPGOT 075416N 0984555E	115° 295° 57.0 NM				
▲ TRANG DVORDME (TRN) 073032N 0993734E	127° 307° 22.0 NM				
▲ PADPA 071700N 0995532E	127° 307° 35.0 NM				
▲ HAT YAI DVORDME (HTY) 065603N 1002316E	101° 281° 25.0 NM				
▲ NOBIT 065118N 1004807E	101° 281° 21.0 NM				
▲ PATTANI NDB (PT) 064718N 1010853E	114° 294° 39.0 NM			↑	
▲ NARATHIWAT DVORDME (NTW) 063138N 1014442E					
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 Lower limits or Airspace classification Minimum flight altitude	Lateral limits NM	Direction of cruising levels Odd Even	Remarks Controlling unit Frequency			
1	2	3	4	5	6			
W15								
CHIANG MAI DVORDME (CMA) ▲ 184558N 0985740E	120° 300° 38.0 NM	FL 460 6 500 FT Class A 7 000 FT	(*)	↓	(*) For width of airways, see ENR 2.1-1.			
KABMU ▲ 182739N 0993247E	120° 300° 40.0 NM							
PHRAE DVORDME (PAE) ▲ 180803N 1000958E	138° 318° 65.0 NM							
PANKU △ 172035N 1005606E	083° 263° 16.0 NM							
BARCE ▲ 172245N 1011219E	083° 263° 30.0 NM							
LOEI DVORDME (LOY) ▲ 172649N 1014323E	094° 274° 15.0 NM							
SWENI ▲ 172555N 1015903E	094° 274° 16.0 NM							
ESGIB ▲ 172458N 1021514E	095° 275° 30.0 NM	FL 460 7 500 FT Class A 8 000 FT						
UDON DVORDME (UDN) ▲ 172304N 1024630E	098° 278° 30.0 NM	FL 460 6 500 FT Class A 7 000 FT						
GULNO ▲ 171915N 1031735E	098° 279° 49.0 NM							
SAKON NAKHON DVORDME (SKN) ▲ 171251N 1040812E								
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 Lower limits or Airspace classification Minimum flight altitude	Lateral limits NM	Direction of cruising levels Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
W16					(*) For width of airways, see ENR 2.1-1.
▲ CHIANG MAI DVOR/DME (CMA) 184558N 0985740E	127° 307° 38.0 NM	FL 460 6 500 FT Class A 7 000 FT	(*)	↓	
▲ ASAVI 182326N 0992958E	127° 307° 68.0 NM				
▲ UTTAR 174305N 1002706E	127° 307° 109.0 NM				
▲ CHUM PHAE DVOR/DME (CMP) 163811N 1015905E	103° 283° 27.0 NM				
▲ ONUVI 163228N 1022655E	103° 283° 20.0 NM				
▲ KHON KAEN DVOR/DME (KKN) 162815N 1024716E				↑	
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 Lower limits or Airspace classification Minimum flight altitude	Lateral limits NM	Direction of cruising levels Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
W17					
▲ <u>RANONG DVORDME (RAN)</u> 094643N 0983502E	<u>140°</u> 320° 26.0 NM	<u>FL 460</u> 6 500 FT Class A 7 000 FT	10	↓	
▲ <u>TOGIM</u> 092659N 0985148E	<u>140°</u> 320° 25.0 NM				
▲ <u>SURAT THANI DVORDME (STN)</u> 090746N 0990805E	<u>151°</u> 331° 27.0 NM	<u>FL 460</u> 7 500 FT Class A 8 000 FT			
▲ <u>EMVEL</u> 084438N 0992122E	<u>151°</u> 331° 90.0 NM				
▲ <u>ELREM</u> 072616N 1000607E	<u>151°</u> 331° 35.0 NM			↑	
▲ <u>HAT YAI DVORDME (HTY)</u> 065603N 1002316E					
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 Lower limits or Airspace classification Minimum flight altitude	Lateral limits NM	Direction of cruising levels Odd Even	Remarks Controlling unit Frequency	
1	2	3	4	5	6	
W19					(*) For width of airways, see ENR 2.1-1.	
▲ BANGKOK DVOR/DME (BKK) 135337N 1003546E	182° 002° 32.0 NM	FL 460 6 500 FT Class A	(*)	↓		
△ POLAK 132106N 1003454E	181° 001° 33.0 NM	7 000 FT				
▲ GUTSO 124820N 1003454E	181° 001° 48.0 NM					
▲ REGOS 120007N 1003454E	182° 002° 60.0 NM					
△ DIRAX 110007N 1003248E	183° 003° 40.0 NM					
▲ TUSPU 101948N 1003108E	183° 003° 37.0 NM					
▲ UPNEP 094213N 1002936E	162° 342° 17.0 NM					
▲ ROBDA 092558N 1003511E	162° 342° 62.0 NM					
▲ IDRUK 082724N 1005513E	162° 342° 25.0 NM					
△ ADNEP 080344N 1010318E	156° 336° 101.0 NM			↑		
▲ NARATHIWAT DVOR/DME (NTW) 063138N 1014442E						
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 Lower limits or Airspace classification Minimum flight altitude	Lateral limits NM	Direction of cruising levels	Remarks Controlling unit Frequency
1	2	3	4	5	6
W20					
▲ CHIANG MAI DVOR/DME (CMA) 184558N 0985740E	037° 217° 25.0 NM	FL 350 7 500 FT Class A 8 000 FT	10	↓	
▲ ADLUS 190610N 0991320E	037° 217° 33.0 NM				
▲ NUMDO 193243N 0993402E	037° 218° 30.0 NM				
▲ CHIANG RAI DVOR/DME (CTR) 195654N 0995300E					
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 Lower limits or Airspace classification Minimum flight altitude	Lateral limits NM	Direction of cruising levels Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	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	↓	
▲ <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° 30.0 NM	FL 460 6 500 FT Class A 7 000 FT	10	↓	
▲ NIROP 171614N 1001444E	356° 176° 52.0 NM				
▲ PHRAE DVOR/DME (PAE) 180803N 1000958E	352° 172° 80.0 NM				
▲ BENVI 192707N 0995741E	352° 172° 30.0 NM			↑	
▲ CHIANG RAI DVOR/DME (CTR) 195654N 0995300E					
For flight planning procedure, see ENR 1.10.					

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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 Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
W24					
▲ <u>SURAT THANI DVOR/DME (STN)</u> 090746N 0990805E	<u>164°</u> 344° 25.0 NM	<u>FL 460</u> 7 500 FT Class A 8 000 FT	10	↓	
▲ <u>IDNAR</u> 084344N 0991524E	<u>164°</u> 344° 17.0 NM				
▲ <u>BITEN</u> 082659N 0992029E	<u>164°</u> 344° 59.0 NM			↑	
▲ <u>TRANG DVOR/DME (TRN)</u> 073032N 0993734E					
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 Lower limits or Airspace classification Minimum flight altitude	Lateral limits NM	Direction of cruising levels Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
W25					(*) For width of airways, see ENR 2.1-1.
▲ <u>SUKHOTHAI NDB (THS)</u> 171407N 0994919E	<u>021°</u> 201° 57.0 NM	<u>FL 460</u> 6 500 FT Class A 9 000 FT	(*)	↓	
▲ <u>PHRAE DVOR/DME (PAE)</u> 180803N 1000958E	<u>041°</u> 221° 54.0 NM	<u>FL 460</u> 8 000 FT Class A 9 000 FT		↑	
▲ <u>NAN DVORDME (NAN)</u> 184833N 1004657E					
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 DVORDME (MST) 164152N 0983230E	074° 254° 21.0 NM	FL 460 6 500 FT Class A 7 000 FT	(*)	↓		(*) For width of airways, see ENR 2.1-1.
▲ KADAV 164754N 0985341E	074° 254° 22.0 NM					
▲ TAK NDB (TK) 165358N 0991508E	098° 278° 60.0 NM					
▲ PHITSANULOK DVORDME (PSL) 164613N 1001729E	097° 277° 30.0 NM					
▲ GOKON 164301N 1004834E	097° 277° 22.0 NM					
▲ PHETCHABUN DVORDME (PCB) 164034N 1011148E	094° 274° 46.0 NM				↑	
▲ CHUM PHAE DVORDME (CMP) 163811N 1015905E						
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 Lower limits or Airspace classification Minimum flight altitude	Lateral limits NM	Direction of cruising levels Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
W27					(*) For width of airways, see ENR 2.1-1.
▲ PHITSANULOK DVOR/DME (PSL) 164613N 1001729E	065° 245° 30.0 NM	FL 460 6 000 FT Class A 7 000 FT	(*)	↓	
▲ REMER 165935N 1004531E	065° 245° 47.0 NM				
▲ RIBDO 172014N 1012918E	065° 245° 15.0 NM				
▲ LOEI DVOR/DME (LOY) 172649N 1014323E				↑	
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					
▲ SURAT THANI DVORDME (STN) 090746N 0990805E	126° 306° 25.0 NM	FL 460 8 500 FT Class A 9 000 FT	10	↓	
▲ SEGRA 085300N 0992831E	126° 306° 35.0 NM				
▲ NAKHON SI THAMMARAT DVORDME (NKS) 083230N 0995649E	165° 345° 65.0 NM	FL 460 7 500 FT Class A 8 000 FT			
▲ ENVON 072933N 1001406E	165° 345° 35.0 NM			↑	
▲ HAT YAI DVORDME (HTY) 065603N 1002316E					
For flight planning procedure, see ENR 1.10.					

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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	Track MAG (GEO) VOR RDL DIST(COP)	Upper limits Lower limits or Airspace classification Minimum flight altitude	Lateral limits NM	Direction of cruising levels Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
W32					
REGOS					Uni-directional northbound from GOKEX to REGOS
▲ 120007N 1003454E	193° 013° 43.0 NM	FL 460 3 500 FT Class A	10		
GOKEX					Conditional Route (CDR) availability; Portion between REGOS – SMU
▲ 111815N 1002544E	193° 013° 63.0 NM	4 000 FT		↑	
SUPOJ					CDR1 1. Weekdays, Monday to Friday 1700-2300 UTC. 2. Friday 1700 UTC to Sunday 2300 UTC 3. Public Holidays
▲ 101642N 1001220E	191° 011° 15.0 NM			↓	
ENRAG					CDR2 Other Periods, Availability shall be notified by Airspace use plan (AUP) published in www.thaicmac.aerothai.aero
▲ 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	Track MAG (GEO) VOR RDL DIST(COP)	Upper limits Lower limits or Airspace classification Minimum flight altitude	Lateral limits NM	Direction of cruising levels Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
W33					<div>Conditional Route (CDR) availability, portion between PUT – SMU</div> <div>CDR1 1. Weekdays, Monday to Friday 1700-2300 UTC 2. Friday 1700 UTC to Sunday 2300 UTC 3. Public Holidays</div> <div>CDR2 Other Periods, Availability shall be notified by Airspace use plan (AUP) published in www.thaicmac.aerothai.aero</div>
<div>▲ PHUKET DVOR/DME (PUT) 080655N 0981823E</div>	<div>069° 249° 30.0 NM</div>	<div>FL 460 9 500 FT Class A 10 000 FT</div>	10	↓	
<div>▲ ONET1 081757N 0984633E</div>	<div>069° 249° 45.0 NM</div>				
<div>▲ RECNO 083425N 0992825E</div>	<div>031° 211° 38.0 NM</div>	<div>FL 460 6 500 FT Class A 7 000 FT</div>			
<div>▲ MESEM 090719N 0994816E</div>	<div>031° 211° 30.0 NM</div>				
<div>▲ SAMUI DVOR/DME (SMU) 093249N 1000342E</div>	<div>070° 250° 15.0 NM</div>				
<div>△ VININ 093754N 1001740E</div>	<div>070° 250° 13.0 NM</div>				
<div>▲ UPNEP 094213N 1002936E</div>	<div>046° 226° 8.0 NM</div>				
<div>▲ MABKO 094809N 1003543E</div>	<div>046° 226° 103.0 NM</div>				
<div>▲ SURIX 105959N 1015015E</div>	<div>021° 201° 81.0 NM</div>				
<div>▲ TRAT NDB (TRT) 121628N 1021850E</div>	<div>310° 129° 48.0 NM</div>				
<div>▲ RAYONG DVOR/DME (RYN) 124648N 1014042E</div>				↑	
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	 <div>223° 043°</div> 35.0 NM <div>220° 040°</div> 72.0 NM <div>190° 010°</div> 71.0 NM <div>190° 010°</div> 30.0 NM 	 <div>FL 460 6 500 FT</div> Class A 7 000 FT 	 10 	 <div>↓</div> <div>↑</div>	
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 Lower limits or Airspace classification Minimum flight altitude	Lateral limits NM	Direction of cruising levels Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
W35					Conditional Route (CDR) availability, portion between UPNEP – NKS 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
▲ UPNEP					
▲ 094213N 1002936E	206° 026°	FL 460 7 500 FT	10	↓	
PINUN	15.0 NM	Class A			
▲ 092825N 1002306E	205° 025°	8 000 FT			
PAGLU	14.0 NM				
▲ 091549N 1001709E	205° 025°				
NAKHON SI THAMMARAT DVOR/DME (NKS)	48.0 NM				
▲ 083230N 0995649E	198° 018°			↑	
TRANG DVOR/DME (TRN)	65.0 NM				
▲ 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
W36 CHIANG MAI DVOR/DME (CMA) ▲ 184558N 0985740E LAMUN ▲ 190513N 0984044E MACHI ▲ 191306N 0983346E DOMKA ▲ 191419N 0982602E MAE HONG SON DVOR/DME (MHS) ▲ 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	Track MAG (GEO) VOR RDL DIST (COP)	Upper limits Lower limits or Airspace classification Minimum flight altitude	Lateral limits NM	Direction of cruising levels Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
W38 ▲ <u>RAMEI</u> 150240N 1030040E ▲ <u>BURI RAM DVOR/DME (BRM)</u> 151422N 1031532E ▲ <u>ANKID</u> 154049N 1033057E ▲ <u>ROI-ET DVOR/DME (ROT)</u> 160701N 1034619E					(*) For width of airways, see ENR 2.1-1.
	<u>052°</u> 232° 19.0 NM	<u>FL 460</u> 6 500 FT Class A 7 000 FT	(*)	↓ <	

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 NOBER ▲ <u>151636N 1004006E</u> PHETCHABUN DVORDME (PCB) ▲ <u>164034N 1011148E</u> DUBOL ▲ <u>171004N 1013154E</u> LOEI DVORDME (LOY) ▲ <u>172649N 1014323E</u>	 <u>021°</u> 201° 89.0 NM <u>034°</u> 214° 35.0 NM <u>034°</u> 214° 20.0 NM 	 <u>FL 460</u> 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 www.thaicmac.aerothai.aero (*) 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	Track MAG (GEO) VOR RDL DIST(COP)	Upper limits Lower limits or Airspace classification Minimum flight altitude	Lateral limits NM	Direction of cruising levels Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
W40 ▲ PHRAE DVORDME (PAE) <u>180803N 1000958E</u> ▲ PHETCHABUN DVORDME (PCB) <u>164034N 1011148E</u>					
	<div>146° 326° 105.0 NM</div>	<div>FL 460 6 500 FT Class A 7 000 FT</div>	10	<div>↓ ↑</div>	
	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 Lower limits or Airspace classification Minimum flight altitude	Lateral limits NM	Direction of cruising levels Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	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	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
1	2	3	4	5	6
W43					
▲ CHUM PHAE DVOR/DME (CMP) 163811N 1015905E	098° 278° 142.0 NM	FL 460 6 500 FT Class A 7 000 FT	20	↓	
▲ OKENA 161608N 1042533E				↑	
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 Lower limits or Airspace classification Minimum flight altitude	Lateral limits NM	Direction of cruising levels Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
W44					
▲ <u>NARATHIWAT DVOR/DME (NTW)</u> 063138N 1014442E	<u>219°</u> 039° 25.0 NM	<u>FL 460</u> 8 500 FT Class A	10	↓	
▲ <u>ERVES</u> 061208N 1012853E	<u>219°</u> 039° 32.0 NM	9 000 FT		↑	
▲ <u>BETONG DVOR/DME (BET)</u> 054708N 1010839E					

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

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