## **ENR 3. ATS ROUTES**

## **ENR 3.1 LOWER AND UPPER ATS ROUTES**

Route designator (RNP type) Name of significant points Coordinates	Track MAG (GEO) VOR RDL DIST (COP)	Upper limits  Lower limits  or  Airspace classification  Minimum flight	Lateral limits NM		tion of g levels Even	Remarks Controlling unit Frequency
		altitude				
1	2	3	4	,	5	6
A1						
BANGKOK DVOR/DME (BKK)						
135337N 1003546E	071° 251°	FL 460 7 500 FT	10	$\downarrow$		
ROBKA	51.0 NM	Class A		*		
141043N 1012508E	071° 251°	8 000 FT				Uni-directional system will be applied for a portion between BKK DVOR/DME and UBL DVOR/DME
051144	29.0 NM					as follows:
SELKA 142020N 1015311E		-				- ATS route A1 will apply for
142020N 1013311E	071° 251°					eastbound traffic only
TOPER	54.0 NM					- Westbound traffic shall filed flight plan via W1 after UBL
143808N 1024538E	072° 252°					- The available for westbound traffic on A1 or direct route will be subject
SANOT	41.0 NM					to prior approval from ATC
△ 145134N 1032548E	075°	-				
	255°					
PASAT	22.0 NM					
145727N 1034726E	075° 255°					
UBON DVOR/DME (UBL)	65.0 NM					
151443N 1045157E	077°	FL 460		1		
	257°	9 500 FT		↓		
	44.0 NM	Class A		*	٨	
BUTRA		10 000 FT			T	
152506N 1053546E					•	

	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 level	Ū	Remarks Controlling unit Frequency
	1	2	3	4	5	<b>;</b>	6
	A202						
	RAMEI						
	150240N 1030040E	049° 229°	FL 460 12 500 FT/FL 125	(*)	<b></b>		Pilot may expect ATC instruction to avoid VT D64, VT D54, VT
	GUROK	91.0 NM	Class A		,		D44 and VT D30
	160329N 1041106E	049° 229°	13 000 FT/FL 125				J
	OKENA	19.0 NM					(*) For width of airways, see ENR 2.1-1
	161608N 1042533E	048° 228°	FL 460 6 500 FT				
	SAVANNAKHET DVOR/DME (SAV)	26.0 NM	Class A 7 000 FT			$\uparrow$	
	163342N 1044556E					<u> </u>	For continuation, see AIP Lao People's Democratic Republic.
-	For flight planning procedure, see	ENR 1.10.			1		

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
A334						
HAT YAI DVORDME (HTY)						
065603N 1002316E	112° 292°	FL 460 9 500 FT	20	$\downarrow$		
TAXEB	25.0 NM	Class A				
064641N 1004645E	112° 292°	10 000 FT			<b>^</b>	
PASVA	83.0 NM					
061529N 1020431E						For continuation, see AIP Malaysia.
For flight planning procedure, s	ee ENR 1.10.			1		

	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		of cruising rels Even	Remarks Controlling unit Frequency		
	1	2	3	4		5	6		
Α	457								
	HAT YAI DVOR/DME (HTY)								
- ^	065603N 1002316E	178° 358°	FL 460 9 500 FT	20		<b>+</b>			
		24.0 NM	Class A		Λ				
	TAMOS		10 000 FT						
	063208N 1002407E								
	For flight planning procedure, see ENR 1.10.								

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Route designator	Track MAG	Upper limits	Lateral	Direction of cruising	Remarks
(RNP type)	(GEO)	Lower limits	limits	levels	Controlling unit
Name of significant points Coordinates	VOR RDL DIST	or	NM		Frequency
Coordinates	(COP)	Airspace classification		Odd Even	
	(COP)	Minimum flight altitude			
1	2	3	4	5	6
	2	3	-	3	
A464					
CHIANG MAI DVORDME (CMA)					
184558N 0985740E	163°	FL 460	20		
	343°	6 500 FT			
ENBAT	38.0 NM	Class A			
180941N 0991004E	163°	7 000 FT			
	343°	7 000 F1			
TOPAS	42.0 NM				
△ 172916N 0992358E	163°				
	343°				
BEKOD	71.0 NM				
BEKOD  162117N 0994636E					
10211/11 0994030E	163°				
	343°				
SEMBO	91.0 NM				
145359N 1001548E	163°				
	343°				
	63.0 NM				
BANGKOK DVORDME (BKK)					
135337N 1003546E	182°				
	002°				
POLAK	32.0 NM				
△ 132106N 1003454E	181°				
	001°				
GUTSO	33.0 NM				
124820N 1003454E	181°				
	001°				
REGOS	48.0 NM				
120007N 1003454E	182°				
	002°				
DIRAX	60.0 NM				
△ 110007N 1003248E	183°	FL 460			
	003°	3 500 FT			
TUSPU	40.0 NM	Class A			
▲ 101948N 1003108E	183°				
	003°	4 000 FT			
UPNEP	37.0 NM				
● 094213N 1002936E	182°				
	002°				
APOBI	40.0 NM				
△ 090147N 1002814E					
000 14714 1002017L	182°				
	002°				
GUPMO	12.0 NM				
▲ 085012N 1002750E	182°	1			
	002°				
DELIB					
RELIP	46.0 NM				
080432N 1002619E	183°				
	003°			<b>^</b>	
PIMER	33.0 NM				
A		l .			

Route designator (RNP type) Name of significant points	Track MAG (GEO) VOR RDL	Upper limits Lower limits or	Lateral limits NM		of cruising rels	Remarks Controlling unit Frequency
Coordinates	DIST (COP)	Airspace classification Minimum flight altitude		Odd	Even	
1	2	3	4		5	6
073045N 1002449E	183° 003°	FL 460 3 500 FT	20	<b>\</b>		
	35.0 NM	Class A				
HAT YAI DVORDME (HTY)		4 000 FT				
▲ 065603N 1002316E	163° 343° 27.0 NM	FL 460 8 500 FT Class A				
KARMI  062940N 1003121E	Z1.0 INIVI	9 000 FT			$\uparrow$	
For flight planning procedure, see ENR	1.10.			I .	•	

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

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
B202					
UBON DVOR/DME (UBL)					
151443N 1045157E  PAKSE VOR/DME (PAK)	093° 273° 51.0 NM	FL 460 FL 260 Class A FL 270	(*)	<b>↓</b>	(*) For width of airways, see ENR 2.1-1.
151148N 1054417E					For continuation, see AIP Lao People's Democratic Republic.
For flight planning procedure,	see ENR 1.10.				'

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45.0 NM Class A FL 140	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
GOMES  132406N 1013506E	1	2	3	4	5		6
For flight planning procedure, see ENR 1.10.	▲ GOMES  132406N 1013506E  AGEDO  132419N 1022139E	270° 45.0 NM	FL 135 Class A	(*)	<b>\</b>		(*) For width of airways, see ENR 2.1-1.

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
B205  RAYONG DVOR/DME (RYN)  124648N 1014042E  OLDIR  125401N 1021325E  BOKAK  125736N 1022947E	078° 258° 33.0 NM 078° 258° 16.0 NM	FL 460 FL 155 Class A FL 160	(*)	<b>\</b>	(*) For width of airways, see ENR 2.1-1.
For flight planning procedure, see EN	IR 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
B218					
VIENTIANE DVOR/DME (VTN)					
180037N 1023226E	235° 055°	FL 460 3 500 FT	20	<b>1</b>	
NOGAD	38.0 NM	Class A			
173834N 1020021E	235° 055°	4 000 FT		<b>A</b>	
LOEI DVOR/DME (LOY)	20.0 NM				
172649N 1014323E	164° 344°	FL 460 6 500 FT		$\downarrow$	
BOVGO	20.0 NM	Class A			
170740N 1014935E	164° 344°	7 000 FT		<b>^</b>	
CHUM PHAE DVOR/DME (CMP)	31.0 NM				
163811N 1015905E					For continuation, see AIP Lao People's Democratic Republic.
For flight planning procedure, see ENR	1.10.			ı	1

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	cruisin Odd	tion of g levels Even	Remarks Controlling unit Frequency
			7			, , ,
B346						
BANGKOK DVOR/DME (BKK)						
135337N 1003546E	003° 183°	FL 460 10 000 FT	20	$\downarrow$		Conditional Route (CDR) availability; Portion between NOBER-PCB
NOBER	83.0 NM	Class A				I oftion between Nobelt-1 ob
151636N 1004006E	021° 201°	11 000 FT/FL 110				CDR1 1. Weekdays, Monday to Friday 1700-2200 UTC
PHETCHABUN DVOR/DME (PCB)	89.0 NM					2. From Friday 1700 UTC to
164034N 1011148E	016°					Sunday 2200 UTC 3. Public Holidays
	196°					3.1 ublic Holidays
	66.0 NM					CDR2
YAKUA					<u> </u>	Other periods, Availability will be Notified by Airspace use plan (AUP) Published in www.thaicmac.aerothai.aero
174415N 1013052E						
For flight planning procedure, see ENR 1	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		tion of g levels Even	Remarks Controlling unit Frequency
1	2	3	4		5	6
B460			·		·	
KHORAT DVOR/DME (KRT)						
145502N 1020823E	053° 234°	FL 460 6 500 FT	20	$\downarrow$		Conditional Route (CDR) Availability;
BODUR	89.0 NM	Class A				Portion between KRT-ROT
154853N 1032127E	054° 234°	7 000 FT				CDR1 1. Weekdays, Monday to Friday 1000-2300 UTC
ROI-ET DVOR/DME (ROT)	30.0 NM					2. From Friday 1000 UTC to
160701N 1034619E	066° 246°					Sunday 2300 UTC 3. Public Holidays
RURAR	30.0 NM					CDR2
161943N 1041436E	066° 246°					Other periods, Availability will be Notified by Airspace use plan (AUP) Published in
SAVANNAKHET DVOR/DME (SAV)	33.0 NM				1	www.thaicmac.aerothai.aero
163342N 1044556E						For continuation, see AIP Lao People's Democratic Republic.

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

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

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
G458					
BANGKOK DVOR/DME (BKK)					
135337N 1003546E	197°	FL 460	10		
	017°	7 500 FT		↓	
MOTNA	44.0 NM	Class A			
131110N 1002306E	197°	8 000 FT			
	017°				
HOTEL	12.0 NM				
130006N 1001948E	198°				
	018°				
UKERA	61.0 NM				
120207N 1000110E	196°				
	016°				
MENEX	56.0 NM				
110831N 0994543E	197° 017°				
APRIL	9.0 NM				
110007N 0994307E	198°				
	018°				
IKERA	92.0 NM				
093146N 0991532E	198°				
	018°				
SURAT THANI DVOR/DME (STN)	25.0 NM				
090746N 0990805E	220°	FL 460			
	040°	6 500 FT			
LAMUL	25.0 NM	Class A			
084818N 0985208E	219°	7 000 FT			
	039°				
SAVSA	23.0 NM				
083016N 0983729E	220°				
	040°			<b> </b> ↑	
PHUKET DVOR/DME (PUT)	30.0 NM			I	
080655N 0981823E					
For flight planning procedure, see ENR 1	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		of cruising rels Even	Remarks Controlling unit Frequency
1	2	3	4	:	5	6
G463						
BANGKOK DVOR/DME (BKK)						
135337N 1003546E	298° 118°	FL 460 9 500 FT	(*)		$\downarrow$	(*) For width of airways, see ENR
TARED	70.0 NM	Class A				2.1-1.
142620N 0993129E	298° 118°	10 000 FT		<b>A</b>		
BETNO	86.0 NM					
150554N 0981231E						
For flight planning procedure, see l	ENR 1.10.	l	L	1		1

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					
164947N 0982949E  PHITSANULOK DVOR/DME	092° 272°	FL 460 9 000 FT	(*)	$\downarrow$	(*) For width of airways, see ENR
(PSL) 164613N 1001729E	103.0 NM 094° 275°	Class A 10 000 FT			2.1-1.
△ CHUM PHAE DVOR/DME (CMP) 163811N 1015905E	98.0 NM 116° 297°				
■ UBON DVORDME (UBL) 151443N 1045157E	186.0 NM			<u> </u>	
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	Lateral limits NM	lev	of cruising vels	Remarks Controlling unit Frequency
		Minimum flight altitude		Odd	Even	
1	2	3	4		5	6
G474						
BANGKOK DVOR/DME (BKK)						
135337N 1003546E	091° 271°	FL 460 10 500 FT	(*)	$\downarrow$		
	51.0 NM	Class A		,		(*) For width of airways, see ENR
ANKOS		11 000 FT				2.1-1.
135300N 1012742E	091° 272°	FL 460 FL 145				
DOSBU	22.0 NM	Class A				
135240N 1015002E	092° 272°	FL 150				
ANREN	28.0 NM					
135212N 1021838E	092° 272°				<b>^</b>	
OMURO	27.0 NM					
135143N 1024559E						For continuation, see AIP Kingdom of Cambodia.

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

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
R202					
TATEL					
172905N 0984549E	064° 244°	FL 460 12 500 FT/FL 125	10	$\downarrow$	
	89.0 NM	Class A		<b>↑</b>	
PHRAE DVOR/DME (PAE)		FL 130			
180803N 1000958E					
For flight planning procedure,	see ENR 1.10.	1		<u>'</u>	

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 lev	_	Remarks Controlling unit Frequency
1	2	3	4	ŧ	5	6
R203						
PHUKET DVORDME (PUT)						
080655N 0981823E	268° 087°	FL 460 6 500 FT	(*)		$\rightarrow$	(*) For width of airways, see ENR 2.1-1.
UBNEN	30.0 NM	Class A				
080520N 0974812E	268° 088°	7 000 FT		_		
SAPAM	15.0 NM					
080434N 0973300E						
For flight planning procedure, see	e ENR 1.10.	I		L		

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
R207					
SISUK					
194804N 0980243E	141°	FL 460	20	ı	
	321°	8 000 FT	20	↓	
MACHI	46.0 NM	Class A		•	
191306N 0983346E		9 000 FT			
1910001 09000402	141° 321°	9 000 1 1			
LAMUN	10.0 NM				
190513N 0984044E		1			
13001314 03040442	141° 321°				
CHIANG MAI DVORDME (CMA)	25.0 NM				
184558N 0985740E	088°	FL 460			
	268°	9 500 FT			
MONLO	38.0 NM	Class A			
184702N 0993743E	088°	10 000 FT			
	268°				
NAN DVORDME (NAN)	66.0 NM				
184833N 1004657E	116°	1			
	296°			<b>^</b>	
ANBOK	27.0 NM				
183635N 1011248E					

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					
CHIANG RAI DVOR/DME (CTR)					
195654N 0995300E	144° 324°	FL 460 9 500 FT	(*)	$\downarrow$	
DUBEN	30.0 NM	Class A		•	
193249N 1001207E	144° 324°	10 000 FT			
NAN DVOR/DME (NAN)	55.0 NM				
184833N 1004657E	051° 232°			<b>A</b>	
TOMIP	35.0 NM				
191105N 1011548E					For continuation, see AIP Lao People's Democratic Republic.
For flight planning procedure, see ENf	R 1.10.	l	ı	1	,

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

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
R334  RAYONG DVOR/DME (RYN)  124648N 1014042E	132° 312° 103.0 NM	FL 460 FL 165 Class A	20	<b>\</b>	
SAKDA  113654N 1030000E		FL 170			
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	Lateral limits NM		of cruising rels	Remarks Controlling unit Frequency
		Minimum flight altitude		Odd	Even	
1	2	3	4		5	6
R345						
ROI-ET DVOR/DME (ROT)						
160701N 1034619E	180° 000°	FL 460 FL 215	10	$\downarrow$		
GRASO	58.0 NM	Class A		,		
150917N 1034714E	180° 000°	FL 220				
PASAT	12.0 NM					
145727N 1034726E	180°					
PEKBA	9.0 NM					
144808N 1034733E	180° 000°				•	
BIDEM	26.0 NM					
142154N 1034750E						

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 o leve		Remarks Controlling unit Frequency
1	2	3	4	5		6
R468						
BANGKOK DVOR/DME (BKK)						
135337N 1003546E	117° 298°	FL 460 7 500 FT	(*)	$\downarrow$		(*) For width of airways, see ENR 2.1-1.
UGIPA	18.0 NM	Class A				, ,
134524N 1005221E	118° 298°	8 000 FT				
GORSI	32.0 NM					
133055N 1012128E	118° 298°					
GOMES	15.0 NM					
132406N 1013506E	117° 297°					
BERLU	23.0 NM					
131350N 1015620E	117° 297°	FL 460 FL 155				
	36.0 NM	Class A			<b>^</b>	
BOKAK		FL 160				
125736N 1022947E						For continuation, see AIP Kingdom of Cambodia.

Ná	Route designator (RNP type) ame 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 Peo-
VIE	ENTIANE DVOR/DME (VTN)					ple's Democratic Republic.
180	0037N 1023226E	161°	FL 460	(*)		
		341°	3 500 FT		₩	(*) For width of airways, see ENR
<b> </b>	NET	15.0 NM	Class A			2.1-1.
174	4625N 1023746E	161° 341°	4 000 FT			
UD	OON DVOR/DME (UDN)	25.0 NM				
172	2304N 1024630E	144°	FL 460			
		324°	6 500 FT			
PO	OVEX	30.0 NM	Class A			
165	5905N 1030530E	144° 324°	7 000 FT			
DC	DTUS	35.0 NM				
163	3103N 1032732E	144° 324°				
RC	DI-ET DVOR/DME (ROT)	30.0 NM				
160	0701N 1034619E	130°				
		310°				
EN	ITEK	30.0 NM				
154	4755N 1041024E	130°				
		310°			<b>↑</b>	
UB	BON DVOR/DME (UBL)	52.0 NM				
15	1443N 1045157E					
	For flight planning procedure, see El	NR 1.10.			1	

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	lev Odd	of cruising yels	Remarks Controlling unit Frequency
		•	7	,		•
BANGKOK DVOR/DME (BKK)						
135337N 1003546E	027° 207°	FL 460 6 500 FT	(*)	$ \downarrow$		(*) For width of airways, see ENR 2.1-1.
ALBOS	57.0 NM	Class A				Conditional Route (CDR)
144442N 1010142E	027° 207°	7 000 FT				availability: Portion between 7,000 FT to FL350
CHUM PHAE DVOR/DME (CMP)	126.0 NM					CDR1
163811N 1015905E	022° 202° 78.0 NM	FL 460 3 500 FT Class A				1.Weekdays,Monday to Friday 0900-0100 UTC. 2. Friday 0900 UTC to Monday 0100 UTC 3.Public Holidays
LEDER		4 000 FT				o.i abilo i lolladyo
175044N 1022825E	022° 202°	FL 460 3 500 FT				CDR2 Other Periods, Availability shall be notified by Airspace use plan (AUP) published in
	11.0 NM	Class A			<b>1</b>	www.thaicmac.aerothai.aero
VIENTIANE DVOR/DME (VTN)		4 000 FT			l	
180037N 1023226E						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	Lateral limits NM	Direction of cruising levels	Remarks Controlling unit Frequency
		Minimum flight altitude		Odd Even	
1	2	3	4	5	6
R575					
PHUKET DVORDME (PUT)					
080655N 0981823E	069° 249°	FL 460 8 500 FT	10	$ \downarrow$	(*) For width of airways, see ENR 2.1-1.
ONETI	30.0 NM	Class A			
081757N 0984633E	069° 249°	9 000 FT			
RECNO	45.0 NM				
083425N 0992825E	031° 211°				
MESEM	38.0 NM				
090719N 0994816E	031° 211°				
SAMUI DVORDME (SMU)	30.0 NM				
093249N 1000342E	070° 250°	FL 460 6 500 FT			
VININ	15.0 NM	Class A			
○ 093754N 1001740E	070° 250°	7 000 FT			
UPNEP	13.0 NM				
094213N 1002936E	051° 231°		(*)		
EMELA	48.0 NM				
△ 101249N 1010729E	053°	FL 460			
	233°	FL 155			
ANBUX	15.0 NM	Class A			
102137N 1011908E	053° 233°	FL 160			
ALUMO	40.0 NM				
104554N 1015123E	053° 233°				
ANOBO	29.0 NM				
110323N 1021442E	054° 234°			•	
SAKDA	56.0 NM			<b>1</b>	
113654N 1030000E				•	
For flight planning procedure, see	ENR 1.10.	<u> </u>	<u> </u>	l	

Route designator (RNP type) Name of significant points Coordinates	Track MAG (GEO) VOR RDL DIST(COP)	Upper limits Lower limits or Airspace classification	Lateral limits NM	Direction of cruising levels	Remarks Controlling unit Frequency
		Minimum flight altitude		Odd Even	
1	2	3	4	5	6
R588					
PHUKET DVORDME (PUT)					
080655N 0981823E	092° 272°	FL 460 9 500 FT	(*)	$\downarrow$	(*) For width of airways, see ENR 2.1-1.
EMRIT	30.0 NM	Class A			
080621N 0984840E	090° 270°	10 000 FT			
KRABI DVORDME (KBI)	10.0 NM				
080627N 0985839E	092° 272°				
RELIP	87.0 NM				
080432N 1002619E	052°	FL 460			
	232°	FL 155			
IDRUK	37.0 NM	Class A			
082724N 1005513E	052° 232°	FL 160			
SUPIN	12.0 NM				
083435N 1010419E	052° 232°				
MUBAN	32.0 NM				
085441N 1012952E	052° 232°				
OSROG	6.0 NM				
085820N 1013431E	052° 232°				
TONIK	31.0 NM				
O91736N 1015907E	052° 232°			<b>A</b>	
BASIT	28.0 NM				
093447N 1022108E					
For flight planning procedure, see	e ENR 1.10.	<u>I</u>	l	I	I

Na	Route designator (RNP type) ame 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
W1						
BA	ANGKOK DVOR/DME (BKK)					
13	5337N 1003546E	044° 224°	FL 460 6 500 FT	10	$\downarrow$	
, MA	ALKI	51.0 NM	Class A			
14	3111N 1011153E	067° 247°	7 000 FT			
UE	BLOD	15.0 NM				
14	3715N 1012612E	067° 247°	FL 460 12 500 FT/FL 125			
KH	HORAT DVOR/DME (KRT)	45.0 NM	Class A			
14	5502N 1020823E	082° 262°	13 000 FT/FL 130			
R/	AMEI	51.0 NM				
15	0240N 1030040E	082° 262°	FL 460 6 500 FT			
	AMBU	22.0 NM	Class A			
^ <u>15</u>	0554N 1032319E	082° 262°	7 000 FT			
GF	RASO	23.0 NM				
15	0917N 1034714E	086° 266°			•	
UE	BON DVOR/DME (UBL)	63.0 NM				
15	1443N 1045157E					
	For flight planning procedure, see E	NR 1.10.			ı	

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		of cruising rels	Remarks Controlling unit Frequency
1	2	3	4		5	6
W4 UDON DVOR/DME (UDN)						
172304N 1024630E	144° 324°	FL 460 6 500 FT	(*)	$\downarrow$		(*) For width of airways, see ENR
POVEX	30.0 NM	Class A				2.1-1.
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°				<b>^</b>	
UBON DVOR/DME (UBL)	52.0 NM					
151443N 1045157E						
For flight planning procedure, se	ee ENR 1.10.			1		I

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
W5					
UDON DVOR/DME (UDN)					
172304N 1024630E	180° 000°	FL 460 6 500 FT	(*)	$\downarrow$	(*) For width of airways, see ENR
ANPUS	25.0 NM	Class A			2.1-1.
165800N 1024651E	180° 000°	7 000 FT			
ALGIT	5.0 NM				
165300N 1024655E	180° 000°				
KHON KAEN DVOR/DME (KKN)	25.0 NM				
162815N 1024716E	111° 291°				
SEDNO	31.0 NM				
161733N 1031707E	111° 291°				
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 ENF	R 1.10.	l	l	1	<u> </u>

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					
KHORAT DVOR/DME (KRT)					
145502N 1020823E	023° 203°	FL 460 6 500 FT	(*)	$\downarrow$	(*) For width of airways, see ENR
EMRUT	70.0 NM	Class A			2.1-1.
160020N 1023533E	023° 203°	7 000 FT			
KHON KAEN DVOR/DME (KKN)	30.0 NM				
162815N 1024716E	061° 241°				
AKRET	24.0 NM				
164016N 1030856E	061° 241°				
SAKON NAKHON DVOR/DME (SKN)	65.0 NM				
171251N 1040812E	071° 251°			<b>^</b>	
NAKHON PHANOM DVOR/DME (NKP)	31.0 NM				
172318N 1043818E					

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	Direct cruising Odd		Remarks Controlling unit Frequency
1	2	3	4	Ę	5	6
W7 CHIANG MAI DVORDME (CMA)						
184558N 0985740E	192° 012°	FL 460 8 000 FT	(*)		1	(*) For width of airways,
PUMAM 180831N 0985001E	38.0 NM 192°	Class A 9 000 FT				see ENR 2.1-1.
VEGRA  170333N 0983653E	012° 66.0 NM 192°					
MAE SOT DVORDME (MST)  164152N 0983230E	012° 22.0 NM			1		
For flight planning procedure, see EN	NR 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	Lateral limits NM	Direction of cruising levels	Remarks Controlling unit Frequency					
1	2	Minimum flight altitude	4	Odd Even	6					
<u> </u>	-	•	7	•	0					
W8										
TAKHLI NDB (TL)										
151633N 1001751E	102° 282° 109.0 NM	FL 460 6 500 FT Class A	(*)	<b>1</b>	(*) For width of airways, see ENR 2.1-1.					
KHORAT DVOR/DME (KRT)		7 000 FT		<u> </u>						
145502N 1020823E										
For flight planning procedure, see	For flight planning procedure, see ENR 1.10.									

Route designator	Track MAG	Upper limits	Lateral	Direction	Remarks
(RNP type) Name of significant points	(GEO) VOR RDL	Lower limits	limits NM	of cruising levels	Controlling unit Frequency
Coordinates	DIST(COP)	or	INIVI		riequency
		Airspace classification			
		Minimum flight			
		altitude		Odd Even	
1	2	3	4	5	6
W9					
MAE HONG SON DVOR/DME (MHS)					
191911N 0975444E	120°	FL 460	20		Excluding restricted area VTR5.
	300°	8 500 FT		₩	
BOKIB	30.0 NM	Class A			(*) For width of airways, see ENR
190434N 0982225E	119° 300°	9 000 FT			2.1-1.
VISES	13.2 NM				
185811N 0983438E	120° 300°				
CHIANG MAI DVOR/DME (CMA)	25.0 NM				
184558N 0985740E	148°	FL 460			
	328°	6 500 FT			
PANTA	38.0 NM	Class A			
181351N 0991917E	149°	7 000 FT			
	329°				
SARIM	51.0 NM				
△ 173030N 0994737E	148°				
	328°				
PIBIK	23.0 NM				
171130N 1000028E	148°				
	328°				
PHITSANULOK DVOR/DME (PSL)	30.0 NM				
164613N 1001729E	181° 000°				
DEBU	30.0 NM				
PEBLI 161606N 1001736E					
101000N 1001/30E	181° 000°				
TAKHLI NDB (TL)	59.0 NM				
151633N 1001751E	169° 349°			_	
BANGKOK DVOR/DME (BKK)	84.0 NM				
135337N 1003546E					
For flight planning procedure, see ENR 1.10.		•			

		Minimum flight altitude		Odd Even	
1	2	3	4	5	6
W10  KAMPHAENG SAEN DVOR/DME (KPS)  140956N 0995715E  VUTHI  145007N 0995725E  TAKHLI NDB (TL)  151633N 1001751E  For flight planning procedure, see ENR 1.10.	001° 181° 40.0 NM 037° 218° 33.0 NM	FL 260 5 500 FT Class A 6 000 FT	(*)	<b>↓</b> ↑	For Military use only.  (*) For width of airways, see ENR 2.1-1.

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
W12         △       CHIANG MAI DVOR/DME (CMA)         184558N 0985740E         ▲       MONLO         184702N 0993743E         ▲       NAN DVORDME (NAN)         184833N 1004657E	088° 268° 38.0 NM 088° 268° 66.0 NM	FL 460 7 000 FT Class A 8 000 FT	(*)	<b>↓</b>	(*) For width of airways, see ENR 2.1-1.

Route designator (RNP type) Name of significant points Coordinates	Track MAG (GEO) VOR RDL DIST(COP)	Upper limits Lower limits or Airspace classification	Lateral limits NM	Direction of cruising levels	Remarks Controlling unit Frequency				
		Minimum flight altitude		Odd Even					
1	2	3	4	5	6				
W13									
LAMPANG DVOR/DME (LPN)									
181636N 0993008E	103° 283°	FL 460 6 000 FT	(*)	$\downarrow$	(*) For width of airways, see ENR				
	39.0 NM	Class A		<b>^</b>	2.1-1.				
PHRAE DVOR/DME (PAE)		7 000 FT							
180803N 1000958E									
For flight planning procedure, see I	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°	FL 460 6 500 FT	10	<b>1</b>	
EPGOT	30.0 NM	Class A			
075416N 0984555E	115° 295°	7 000 FT			
TRANG DVORDME (TRN)	57.0 NM				
073032N 0993734E	127° 307°				
PADPA	22.0 NM				
071700N 0995532E	127° 307°				
HAT YAI DVORDME (HTY)	35.0 NM				
065603N 1002316E	101° 281°				
NOBIT	25.0 NM				
065118N 1004807E	101° 281°				
PATTANI NDB (PT)	21.0 NM				
064718N 1010853E	114° 294°				
NARATHIWAT DVORDME (NTW)	39.0 NM				
063138N 1014442E  For flight planning procedure, see ENR 1					

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°	FL 460	(*)	1	
	300°	6 500 FT	( )	↓	(*) For width of airways, see
KABMU	38.0 NM	Class A			ENR 2.1-1.
182739N 0993247E	120°	7 000 FT			
	300°				
PHRAE DVORDME (PAE)	40.0 NM				
180803N 1000958E	138°				
	318°				
PANKU	65.0 NM				
△ 172035N 1005606E	083°				
	263°				
BARCE	16.0 NM				
172245N 1011219E	083°				
	263°				
LOEI DVORDME (LOY)	30.0 NM				
172649N 1014323E	094°				
	274°				
SWENI	15.0 NM				
172555N 1015903E	094°				
	274°				
ESGIB	16.0 NM				
172458N 1021514E	095°	FL 460			
	275°	7 500 FT			
	30.0 NM	Class A			
UDON DVORDME (UDN)		8 000 FT			
172304N 1024630E	098°	FL 460			
	278°	6 500 FT			
GULNO	30.0 NM	Class A			
171915N 1031735E	098°	7 000 FT			
	279°			<b>↑</b>	
SAKON NAKHON DVORDME (SKN)	49.0 NM				
171251N 1040812E					
For flight planning procedure, see ENR 1.10	).	1	1	ı	

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 cruisin levels  Odd Even	g Remarks Controlling unit Frequency
1	2	3	4	5	6
W16					
CHIANG MAI DVOR/DME (CMA)					
184558N 0985740E	127° 307°	FL 460 6 500 FT	(*)	$\downarrow$	(*) For width of airways, see ENR
ASAVI	38.0 NM	Class A			2.1-1.
182326N 0992958E	127° 307°	7 000 FT			
UTTAR	68.0 NM				
174305N 1002706E	127° 307°				
CHUM PHAE DVOR/DME (CMP)	109.0 NM				
163811N 1015905E	103° 283°				
ONUVI	27.0 NM				
163228N 1022655E	103° 283°				
KHON KAEN DVOR/DME (KKN)	20.0 NM				
162815N 1024716E					

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					
RANONG DVORDME (RAN)					
094643N 0983502E	140°	FL 460	10	1	
	320°	6 500 FT		↓	
TOGIM	26.0 NM	Class A			
092659N 0985148E	140°	7 000 FT			
	320°				
SURAT THANI DVORDME (STN)	25.0 NM				
090746N 0990805E	151°	FL 460			
	331°	7 500 FT			
EMVEL	27.0 NM	Class A			
084438N 0992122E	151°	8 000 FT			
	331°				
ELREM	90.0 NM				
072616N 1000607E	151°				
	331°			<b>Λ</b>	
HAT YAI DVORDME (HTY)	35.0 NM				
065603N 1002316E					
For flight planning procedure, see ENR	1.10.	L		,	

Route designator (RNP type) Name of significant points Coordinates	Track MAG (GEO) VOR RDL DIST(COP)	Upper limits Lower limits or Airspace classification	Lateral limits NM	Direction of cruising levels	Remarks Controlling unit Frequency
		Minimum flight altitude		Odd Even	
1	2	3	4	5	6
W19					
BANGKOK DVOR/DME (BKK)					
135337N 1003546E	182° 002°	FL 460 6 500 FT	(*)	$\downarrow$	(*) For width of airways, see ENR
POLAK	32.0 NM	Class A			2.1-1.
△ 132106N 1003454E	181° 001°	7 000 FT			
GUTSO	33.0 NM				
124820N 1003454E	181° 001°				
REGOS	48.0 NM				
120007N 1003454E	182° 002°				
DIRAX	60.0 NM				
△ 110007N 1003248E	183° 003°				
TUSPU	40.0 NM				
101948N 1003108E	183° 003°				
UPNEP	37.0 NM				
094213N 1002936E	162° 342°				
ROBDA	17.0 NM				
092558N 1003511E	162° 342°				
IDRUK	62.0 NM				
082724N 1005513E	162° 342°				
ADNEP	25.0 NM				
○ 080344N 1010318E	156° 336°			<b>^</b>	
▲ NARATHIWAT DVOR/DME (NTW) 063138N 1014442E	101.0 NM			T T	
For flight planning procedure, see ENR 1	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
W20 CHIANG MAI DVOR/DME (CMA)	-				
184558N 0985740E	037° 217°	FL 350 7 500 FT	10	$\downarrow$	
ADLUS	25.0 NM	Class A			
190610N 0991320E	037° 217°	8 000 FT			
NUMDO	33.0 NM				
193243N 0993402E	037° 218°			<b>^</b>	
. CHIANG RAI DVOR/DME (CTR)	30.0 NM				
195654N 0995300E					
For flight planning procedure, see ENR	1.10.			<u> </u>	

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
		<u> </u>	4	3	0
W21					
BANGKOK DVOR/DME (BKK)					
135337N 1003546E	004° 184°	FL 460 10 000 FT	10	$\downarrow$	
	83.0 NM	Class A			
NOBER		11 000 FT			
151636N 1004006E	044° 224°	FL 460 6 500 FT			
CHUM PHAE DVOR/DME (CMP)	111.0 NM	Class A			
163811N 1015905E	046° 227°	7 000 FT			
SURGU	34.0 NM				
170158N 1022408E	047° 227°			•	
UDON DVOR/DME (UDN)	30.0 NM			<b>1 1</b>	
172304N 1024630E					
For flight planning procedure, see ENR	R 1.10.		<u>l</u>	1	

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
W22		3	4	5	6
PHITSANULOK DVOR/DME (PSL)					
164613N 1001729E	2500	FL 400			
104013N 1001729E	356° 176°	FL 460 6 500 FT	10	<b> </b>	
NIROP	30.0 NM	Class A			
171614N 1001444E	356° 176°	7 000 FT			
PHRAE DVOR/DME (PAE)	52.0 NM				
180803N 1000958E	352° 172°				
BENVI	80.0 NM				
192707N 0995741E	352° 172°			<b> </b>	
CHIANG RAI DVOR/DME (CTR)	30.0 NM				
195654N 0995300E					
For flight planning procedure, see ENR 1.	10.			l	

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		of cruising els Even	Remarks Controlling unit Frequency
1	2	3	4		5	6
W23 PHITSANULOK DVOR/DME (PSL)						
164613N 1001729E	334° 154°	FL 460 6 500 FT	(*)		<b>→</b>	(*) For width of airways, see ENR
POLOB	30.0 NM	Class A				2.1-1.
171309N 1000328E	334° 154°	7 000 FT				
PIVUT	37.0 NM					
174644N 0994553E	334° 154°			<b>^</b>		
LAMPANG DVOR/DME (LPN)	33.0 NM					
181636N 0993008E						
For flight planning procedure, see ENR 1	.10.	<u> </u>		1		

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					
SURAT THANI DVOR/DME (STN)					
090746N 0990805E	164° 344°	FL 460 7 500 FT	10	<b>\</b>	
IDNAR	25.0 NM	Class A			
084344N 0991524E	164° 344°	8 000 FT			
BITEN	17.0 NM				
082659N 0992029E	164° 344°			<b>^</b>	
TRANG DVOR/DME (TRN)	59.0 NM				
073032N 0993734E					
For flight planning procedure, see ENR 1.	10.			<u> </u>	

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					
SUKHOTHAI NDB (THS)					
171407N 0994919E	021°	FL 460	(*)	1	
	201°	6 500 FT		₩	(*) For width of airways, see ENR
	57.0 NM	Class A			2.1-1.
PHRAE DVOR/DME (PAE)		9 000 FT			
180803N 1000958E	041°	FL 460			
	221°	8 000 FT			
	54.0 NM	Class A		<b>^</b>	
NAN DVORDME (NAN)		9 000 FT			
184833N 1004657E					
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
W26					
MAE SOT DVORDME (MST)					
164152N 0983230E	074° 254°	FL 460 6 500 FT	(*)	$\downarrow$	(*) For width of airways, see ENR
KADAV	21.0 NM	Class A			2.1-1.
164754N 0985341E	074° 254°	7 000 FT			
TAK NDB (TK)	22.0 NM				
165358N 0991508E	098° 278°				
PHITSANULOK DVORDME (PSL)	60.0 NM				
164613N 1001729E	097° 277°				
GOKON	30.0 NM				
164301N 1004834E	097° 277°				
PHETCHABUN DVORDME (PCB)	22.0 NM				
164034N 1011148E	094° 274°			<b>^</b>	
CHUM PHAE DVORDME (CMP)	46.0 NM				
163811N 1015905E					
For flight planning procedure, see ENR 1.10.		1	I	I	

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 cruis levels  Odd Eve	Controlling unit Frequency
1	2	3	4	5	6
W27					
PHITSANULOK DVOR/DME (PSL)					
164613N 1001729E	065° 245°	FL 460 6 000 FT	(*)	$\downarrow$	(*) For width of airways, see ENR
REMER	30.0 NM	Class A			2.1-1.
165935N 1004531E	065° 245°	7 000 FT			
RIBDO	47.0 NM				
172014N 1012918E	065° 245°			1	<u> </u>
LOEI DVOR/DME (LOY)	15.0 NM				
172649N 1014323E					

Route designator (RNP type) Name of significant points Coordinates	Track MAG (GEO) VOR RDL DIST(COP)	Upper limits Lower limits or Airspace classification	Lateral limits NM	Direction of cruising levels	Remarks Controlling unit Frequency
1	2	Minimum flight altitude	4	Odd Even	6
W28					
SURAT THANI DVORDME (STN)					
090746N 0990805E	126° 306°	FL 460 8 500 FT	10	$\downarrow$	
SEGRA	25.0 NM	Class A			
085300N 0992831E	126° 306°	9 000 FT			
NAKHON SI THAMMARAT DVORDME (NKS)	35.0 NM				
083230N 0995649E	165° 345°	FL 460 7 500 FT			
ENVON	65.0 NM	Class A			
072933N 1001406E	165° 345°	8 000 FT		<b>^</b>	
HAT YAI DVORDME (HTY)	35.0 NM				
065603N 1002316E					
For flight planning procedure, see ENR 1.10.			l		

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
W29					
PHITSANULOK DVOR/DME (PSL)					
164613N 1001729E	010° 190°	FL 460 6 500 FT	10	<b>\</b>	
GOSTA	30.0 NM	Class A			
171557N 1002230E	010° 190°	7 000 FT			
UTTAR	27.0 NM				
174305N 1002706E	017° 197°			<b>^</b>	
NAN DVOR/DME (NAN)	68.0 NM				
184833N 1004657E	324° 144°	FL 460 8 500 FT		<b>1</b>	
DUBEN	55.0 NM	Class A			
193249N 1001207E	324° 144°	9 000 FT		<b> </b>	
CHIANG RAI DVOR/DME (CTR)	30.0 NM				
195654N 0995300E					
For flight planning procedure, see ENR 1.	.10.	I		<u> </u>	

Coordinates	VOR RDL DIST(COP)	Lower limits or Airspace classification Minimum flight altitude	limits NM	levels Odd Even	Controlling unit Frequency
1	2	3	4	5	6
W31					
SUPOJ					
101642N 1001220E	355° 175°	FL 460 3 500 FT	10	$\downarrow$	
EGUBO	72.0 NM	Class A			
112838N 1000450E	354° 174°	4 000 FT			
UKERA	34.0 NM				
120207N 1000110E	354° 174°				
HUA HIN DVOR/DME (HHN)	36.0 NM				
123804N 0995704E	046° 226°	FL 150 3 500 FT			
	31.0 NM	Class A			
HOTEL		4 000 FT			
130006N 1001948E	017° 197°	FL 150 7 500 FT			
	56.0 NM	Class A		Λ	
BANGKOK DVOR/DME (BKK)		8 000 FT			
135337N 1003546E					

		Γ	ı	1	
Route designator	Track MAG	Upper limits	Lateral	Direction of cruising	
(RNP type) Name of significant points	(GEO) VOR RDL	Lower limits	limits NM	levels	Controlling unit Frequency
Coordinates	DIST(COP)	or	14101		requeries
		Airspace classification			
		Minimum flight			
		altitude		Odd Even	
1	2	3	4	5	6
W32					
REGOS					
120007N 1003454E	193°	FL 460	10		Uni-directional northbound from
	013°	3 500 FT			GOKEX to REGOS
GOKEX	43.0 NM	Class A			Conditional Pouts (CDP)
111815N 1002544E	193°	4 000 FT			Conditional Route (CDR) availability;
	013°	4 000 F1		1 ↑	Portion between REGOS – SMU
SUPOJ	63.0 NM				
101642N 1001220E	191°				CDR1
	011°			↓	1. Weekdays, Monday to Friday 1700-2300 UTC.
ENRAG	15.0 NM				2. Friday 1700 UTC to Sunday
100223N 1000931E	191°				2300 UTC
	011°				3. Public Holidays
SAMUI DVOR/DME (SMU)	30.0 NM				CDR2
093249N 1000342E	246°				Other Periods, Availability shall be
	066°				notified by Airspace use plan
DORNA	19.0 NM				(AUP) published in
092459N 0994614E	246°				www.thaicmac.aerothai.aero
	066°				
ADLAL △ 091810N 0993106E	16.0 NM				
— 091810N 0993106E	246°				
VEONA	066° 9.0 NM				
VEGNA					
091427N 0992231E	246° 066°				
OUDAT THAN DVOD/DMF (OTN)	16.0 NM				
SURAT THANI DVOR/DME (STN) 090746N 0990805E		FL 400			
03074014 03300002	189° 009°	FL 460 7 500 FT			
TEDOS	19.0 NM				
○ 084834N 0990507E	189°	Class A			
	009°	8 000 FT			
TAVAT	6.0 NM				
● 084257N 0990416E	189°				
	009°				
NULMA	12.0 NM				
083118N 0990228E	189°				
	009°				
LUXIR	3.0 NM				
▲ 082819N 0990200E	189°				
	009°				
SARER	7.0 NM				
▲ 082127N 0990057E	189°				
	009°			1	
KRABI DVOR/DME (KBI)	15.0 NM				
▲ 080627N 0985839E	133°				
	313°			↓	
TUNRA	28.0 NM			*	
▲ 074737N 0991905E	133°				
	313°			<b>↑</b>	
TRANG DVOR/DME (TRN)  073032N 0993734E	25.0 NM				
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		of cruising vels	Remarks Controlling unit Frequency
1	2	3	4		5 5	6
1         W33         A       PHUKET DVOR/DME (PUT)         080655N 0981823E         A       ONETI         081757N 0984633E         RECNO       083425N 0992825E         MESEM       090719N 0994816E         A       SAMUI DVOR/DME (SMU)         093249N 1000342E         VININ       093754N 1001740E         A       UPNEP         094213N 1002936E         MABKO       094809N 1003543E         SURIX       105959N 1015015E         A       TRAT NDB (TRT)         121628N 1021850E	2  069° 249° 30.0 NM  069° 249° 45.0 NM  031° 211° 38.0 NM  070° 250° 15.0 NM  070° 250° 13.0 NM  046° 226° 8.0 NM  046° 226° 103.0 NM  021° 201° 81.0 NM	FL 460 9 500 FT Class A 10 000 FT  FL 460 6 500 FT Class A 7 000 FT	10	<b>\</b>	5	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 www.thaicmac.aerothai.aero
RAYONG DVOR/DME (RYN)	129° 48.0 NM				$\uparrow$	
124648N 1014042E						
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
W34					
MENEX					
110831N 0994543E	223° 043°	FL 460 6 500 FT	10	<b></b>	
CHUM PHON DVOR/DME (CPN)	35.0 NM	Class A			
104240N 0992156E	220° 040°	7 000 FT			
RANONG DVOR/DME (RAN)	72.0 NM				
094643N 0983502E	190° 010°				
IGEVI	71.0 NM				
083640N 0982320E	190° 010°			<b>^</b>	
PHUKET DVOR/DME (PUT)	30.0 NM				
▲ 080655N 0981823E					
For flight planning procedure, see ENR	1.10.			1	

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  UPNEP						Conditional Route (CDR) availability, portion between UPNEP – NKS
094213N 1002936E	206° 026°	FL 460 7 500 FT	10		$\downarrow$	CDR1 1. Weekdays, Monday to Friday 1700-2300 UTC
PINUN 092825N 1002306E	15.0 NM 205° 025°	Class A 8 000 FT				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)
NAKHON SI THAMMARAT DVOR/DME (NKS)   083230N 0995649E	48.0 NM					published in www.thaicmac.aerothai.aero
	198° 018° 65.0 NM			$\uparrow$		
TRANG DVOR/DME (TRN) 073032N 0993734E	00.0 14101			I		
For flight planning procedure, se	ee 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
W36					
CHIANG MAI DVOR/DME (CMA)					
184558N 0985740E	321° 141°	FL 460 8 000 FT	10	$\downarrow$	
LAMUN	25.0 NM	Class A			
190513N 0984044E	321° 141°	9 000 FT			
MACHI	10.0 NM				
191306N 0983346E	280° 100°				
DOMKA	7.4 NM				
191419N 0982602E	280° 100°			<b>A</b>	
MAE HONG SON DVOR/DME (MHS)	30.0 NM				
191911N 0975444E					
For flight planning procedure, see ENR 1.10	l.			<u> </u>	

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	ţ	5	6
W38					-	
RAMEI						
150240N 1030040E	052°	FL 460	(*)			
	232°	6 500 FT		↓		(*) For width of airways, see ENR
BURI RAM DVOR/DME (BRM)	19.0 NM	Class A				2.1-1.
151422N 1031532E	030°	7 000 FT				
	210°					
ANKID	30.0 NM					
154049N 1033057E	030°					
	210°				<b>1</b>	
ROI-ET DVOR/DME (ROT)	30.0 NM				ļ	
160701N 1034619E						
For flight planning procedure, see	ENR 1.10.			1		1

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
W39 NOBER					Conditional Route (CDR) availability:
151636N 1004006E	021° 201°	FL 460 6 500 FT	(*)	$\downarrow$	CDR1 1. Weekdays, Monday to Friday 1700-2200 UTC.
PHETCHABUN DVORDME (PCB) 164034N 1011148E	89.0 NM 034° 214°	Class A 7 000 FT			2.Friday 1700 UTC to Sunday 2200 UTC 3. Public Holidays
DUBOL	35.0 NM				CDR2
171004N 1013154E	034° 214° 20.0 NM				Other Periods, Availability shall be notified by Airspace use plan (AUP) published in www.thaicmac.aerothai.aero
LOEI DVORDME (LOY) 172649N 1014323E				<u> </u>	(*) For width of airways, see ENR 2.1-1.

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

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Route designator (RNP type)	Track MAG (GEO)	Upper limits Lower limits	Lateral limits	Direction of cruising levels	Remarks Controlling unit
Name of significant points	VOR RDL		NM	leveis	Frequency
Coordinates	DIST(COP)	or	INIVI		rrequericy
Costaniales	<i>Bio1</i> (001)	Airspace classification			
		Minimum flight altitude		Odd Even	
				į.	
1	2	3	4	5	6
W42					
MENEX					
110831N 0994543E	044°	FL 460	20		
	224°	FL 155			
EGUBO	28.0 NM	Class A			
112838N 1000450E	044° 224°	FL 160			
	14.0 NM				
UPVIL 113836N 1001421E					
— 113836N 1001421E	044° 224°				
SURMA	18.0 NM				
▲ 115122N 1002633E	044°	-			
11012211 10020000	224°				
REGOS	12.0 NM				
120007N 1003454E	055°	1			
	235°				
ASEKU	5.0 NM				
120306N 1003905E	055°	FL 460			
	235°	FL 285			
PIDEL	32.0 NM	Class A			
122143N 1010514E	055°	FL 290			
	235°				
ALEMI	25.0 NM				
123626N 1012600E	055°				
	235°				
RAYONG DVOR/DME (RYN)	18.0 NM				
124648N 1014042E	030°	FL 460			
	210° 14.0 NM	FL 125 Class A			
RUPTA	14.0 NW	FL 130			
125839N 1014733E	030°	FL 460			
12303914 10 14733E	210°	FL 155			
NUGPA	5.0 NM	Class A			
130254N 1014959E	030°	FL 160			
	210°				
BERLU	13.0 NM				
131350N 1015620E	030°	FL 460			
	210°	FL 205			
DULEM	35.0 NM	Class A			
134416N 1021400E	030°	FL 210			
	210°				
ANREN	9.0 NM	]			
▲ 135212N 1021838E	030°				
V(1/2.4.)	210°				
XIKMA 142226N 1022626F	35.0 NM	-			
142236N 1023626E	031° 211°				
TOPER	18.0 NM				
143808N 1024538E	031°	-			
	211°				
PAKRI	16.0 NM				
145202N 1025409E	032°	FL 460			
	212°	6 500 FT			
	12.0 NM	Class A		<b>↑</b>	
		7 000 FT		1	
RAMEI				· .	
▲ RAMEI 150240N 1030040E				,	

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

	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
W4	4 NARATHIWAT DVOR/DME (NTW)						
	063138N 1014442E	219° 039°	FL 460 8 500 FT	10		<b></b>	
	ERVES	25.0 NM	Class A				
	061208N 1012853E	219° 039°	9 000 FT		<b> </b> ↑		
•	BETONG DVOR/DME (BET) 054708N 1010839E	32.0 NM					

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

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

