

ENR 3 ATS ROUTES

ENR 3.3 AREA NAVIGATION (RNAV) ROUTES

Route designator Name of significant points Coordinates (WGS-84)	Track MAG(GEO) VOR RDL DIST (COP)	Upper limits Lower limits Minimum flight altitude Airspace classification (Refer to ENR 1.4-1)	Lateral limits NM	Direction of Cruising levels		Remarks Controlling units Frequency
				Odd	Even	
1	2	3	4	5		6
L301 ▲ TANEK 140305.8N 985818.9E ▲ BANGKOK DVOR/DME (BKK) 135336.8N 1003546.3E	<u>095</u> 276 95 NM	<u>FL 460</u> FL 75 FL 80	*	↓	↑	Longitudinal separation between aircraft 10 mins or 80 nm.
L507 ▲ BANGKOK VOR/DME (BKK) 135336.8N 1003546.3E Δ OSUKA 1442.8N 09943.0E ▲ LIMLA 1546.0N 09836.0E	<u>314</u> 134 71 NM <u>314</u> 134 90 NM	<u>FL 460</u> FL 85 FL 90	*	↓	↑	Longitudinal separation between aircraft 10 mins
L515 ▲ IKULA 1000.0N 0972114.0E ▲ PHUKET DVOR/DME (PUT) 080654.83N 0981822.69E	<u>154</u> 334 126 NM	<u>FL 460</u> FL 105 FL 110	*	↓	↑	Longitudinal separation between aircraft 10 mins
L645 ▲ PHUKET DVOR/DME (PUT) 080654.83N 0981822.69E ▲ SAPAM 080434N 0973300E	<u>268</u> 088 45 NM	<u>FL 460</u> FL 275 FL 280	*	↑	↓	Longitudinal separation between aircraft 10 mins
L759 ▲ PHUKET DVOR/DME (PUT) 080654.83N 0981822.69E ▲ TAVUN 1000.0N 09633.2E	<u>318</u> 138 154 NM	<u>FL 460</u> FL 105 FL 110	*	↑	↓	Longitudinal separation between aircraft 10 mins
M502 ▲ BANGKOK VOR/DME (BKK) 135336.8N 1003546.3E ▲ AKATO 133715.53N 0991019.19E	<u>259</u> 079 85 NM	<u>FL 460</u> FL 100 FL 110	*	↑	↓	Activate Monday-Friday, 1500-2300 And Saturday-Sunday, H24
*For the width of Airways see ENR 2.1-1						

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1	2	3	4	5		6
M626 ▲ EKAVO 113736.5N 0993024.7E ▲ MENEX 110830.7N 0994542.6E ▲ UPNEP 094213.1N 1002936.4E △ SUPIN 083434.55N 1010419.34E ▲ SUWAN 080319.5N 1012018.0E ▲ KADAX 061602.0N 1021541.7E ▲ KOTA BHARU VOR/DME (VKB) 061002.0N 1021848.0E	153 333 33 NM 153 333 96 NM 153 333 76 NM 153 333 35 NM 153 333 120 NM 153 333 7 NM	FL 460 FL 95 FL 100	*	↓	↑	Longitudinal separation between aircraft 10 mins
M644 ▲ RAYONG DVOR/DME (RYN) 124648.3N 1014041.7E ▲ ALUMO 104553.89N 1055122.86E △ TONIK 100131.14N 1015516.15E △ DUGON 080124.77N 1020548.57E ▲ ABTOK 061818.0N 1021744.0E	175 355 121 NM 175 355 88 NM 175 355 76 NM 173 353 103 NM	FL 460 FL 285 FL 290	*	↓	↑	Longitudinal separation between aircraft 10 mins
M751 ▲ BANGKOK VOR/DME (BKK) 135336.8N 1003546.3E △ POLAK 132106.1N 1003454.2E ▲ REGOS 120006.0N 1003454.1E △ IDAGA 110006.8N 1005348.1E ▲ EMELA 101249.19N 1010729.14E △ MUBAN 091848.37N 1012301.53E ▲ TIKAL 080219.5N 1014447.9E ▲ GOLUD 061706.0N 1021639.0E ▲ KOTA BHARU VOR/DME (VKB) 061002.0N 1021848.0E	180 360 32 NM 180 360 81 NM 163 343 63 NM 164 344 49 NM 164 344 80 NM 164 344 54 NM 164 344 109 NM 164 344 7 NM	FL 460 FL 65 FL 70	*	↓	↑	Longitudinal separation between aircraft 10 mins

*For the width of Airways see ENR 2.1-1

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				Odd	Even	
1	2	3	4	5		6
M770 ▲ PADET 100006.9N 0981719.3E ▲ RANONG DVOR/DME (RAN) 094643.18N 0983502.11E ▲ GOLUD 061706.0E 1021639.0E	127 307 22 NM 134 314 302 NM	FL 460 FL 275 FL 280	*	↓	↑	<u>Conditional RNAV route M 770</u> Portion between GOLUD and RAN DVOR/DME is available for westbound flight only under the following conditions; 1. 0000 – 2300 UTC for Saturday and Sunday . 2. 1630 – 2300 UTC daily from Monday to Friday.
M904 (RNAV 5) ▲ BANGKOK VOR/DME (BKK) 135336.8N 1003546.3E ▲ U-TAPHAO DVOR/DME (BUT) 124006.3N 1005948.0E Δ DIPUN 120456.93N 1011011.13E Δ SIRAT 103450.16N 1013639.87E Δ TONIK 091736.12N 1015906.78E ▲ TIDAR 065230.15N 1024959.82E	162 342 77 NM 164 344 37 NM 164 344 93 NM 164 344 80 NM 161 341 153 NM	FL 460 FL 65 FL 70 FL 460 FL 145 FL 150 FL 460 FL 245 FL 250	12	↓	↑	1. Between BKK and BUT, aircraft shall keep within the lateral limit of the route and close to the centerline as much as possible to avoid entering VT P7 2. When VT D71 is activated, M904 is not available for flight planning.
N891 ▲ BANGKOK VOR/DME (BKK) 135336.8N 1003546.3E ▲ RAYONG VOR/DME (RYN) 124648.3N 1014041.7E Δ ANOBO 110323.0N 1021441.61E ▲ BENSA 102631.0N 1022629.5E	136 316 92 NM 162 342 108 NM 162 342 39 NM 162 342 40 NM	FL 460 FL 70 FL 80 FL 460 FL 160 FL 170	*	↓	↑	Longitudinal separation between aircraft 10 mins
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				Odd	Even	
1	2	3	4	5		6
P627 ▲ PHUKET DVOR/DME (PUT) 080654.83N 0981822.69E ▲ RUSET 074616.0N 0974257.0E	<u>240</u> 060 41 NM	<u>FL 460</u> FL 95 FL 100	*	↑	↓	Longitudinal separation between aircraft 15 mins.
P646 ▲ BANGKOK VOR/DME (BKK) 135336.8N 1003546.3E ▲ BETNO 1505.8N 09812.7E	<u>298</u> 118 156 NM	<u>FL 460</u> FL 275 FL 280	*	↑	↓	Longitudinal separation between aircraft 10 mins.
Y1 ▲ UDON DVOR/DME (UDN) 172304.2N 1024630.05E ▲ MOCHI 143603.26N 1013934.93E	<u>202</u> 022 178 NM	<u>FL 460</u> FL 120 FL 130 Class A/FL290 and above			↓	Activate Monday-Friday, 1000-2300 And Saturday-Sunday, H24 Expect ATC clearance transition to Initial waypoint STAR
Y2 ▲ KHON KHAEN DVOR/DME (KKN) 162814.73N 1024716.07E ▲ MOCHI 143603.26N 1013934.93E	<u>211</u> 031 129 NM	<u>FL 460</u> FL 120 FL 130 Class A/FL290 and above			↓	Activate Monday-Friday, 1000-2300 And Saturday-Sunday, H24 Expect ATC clearance transition to Initial waypoint STAR
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