

ENR 3.3 PERFORMANCE BASED NAVIGATION (PBN) ROUTES

Route Designator (RNP/RNAV) Name of Significant Points Co-ordinates	Waypoint IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Great Circle DIST (NM)	Upper Limit Lower Limit Airspace Classification	Direction of Cruising Level (Note 1)		Remarks Controlling Unit Frequency
				Odd	Even	
1	2	3	4	5		6
L642 (RNP10)						
△ CH DVOR 22 13 10N 114 01 48E	---					
△ EPDOS 19 00 00N 113 33 18E	CH 190°/194 NM 99 M	194	UNL 8000 ft ALT		↓	One-way Route Hong Kong Radar 127.1 MHz (PRI) 123.7 MHz (SRY)
△ ENBOK 18 33 24N 113 29 30E	CH 190°/221 NM 99 M	27	Class A		↓	One-way Route Hong Kong Radar 127.1 MHz (PRI) 135.6 MHz (PRI)
▲ EPKAL 17 51 30N 112 57 18E	CH 194°/268 NM 99 M	52			↓	
M750 (RNAV5) [VOR/DME, DME/DME, INS or IRS, GNSS]						
△ KILOG 21 52 27N 114 41 37E	CH 122°/42 NM 99 M					(Note 2)
▲ ENVAR 21 59 30N 117 30 00E	CH 093°/194 NM 99 M	157	UNL FL270 Class A		↓	One-way Route Hong Kong Radar 118.925 MHz (PRI) 121.3 MHz (PRI) 128.125 MHz (SRY)
M771 (RNP10)						
▲ DOSUT 17 02 00N 113 40 48E	CH 184°/311 NM 99 M					
▲ DULOP 18 14 12N 114 32 36E	CH 175°/240 NM 99 M	87	UNL 8000 ft ALT Class A		↓	One-way Route Hong Kong Radar 122.95 MHz
△ DUMOL 19 00 00N 114 26 48E	CH 175°/194 NM 99 M	46			↓	One-way Route Hong Kong Radar 125.8 MHz (PRI) 128.75 MHz (SRY)
△ CH DVOR 22 13 10N 114 01 48E	---	194			↓	

Note 1: For flights within the RVSM airspace, refer to FLAS in ENR1.8 para 8

Note 2: This route is applicable only under radar environment. ATC will monitor navigation performance, and radar separation will be provided.

▲ Compulsory ATS Reporting Points for all aircraft

△ Compulsory Reporting Points for non-jet aircraft.

Route Designator (RNP/RNAV) Name of Significant Points Co-ordinates	Waypoint IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Great Circle DIST (NM)	Upper Limit Lower Limit Airspace Classification	Direction of Cruising Level (Note 1)		Remarks Controlling Unit Frequency
				Odd	Even	
1	2	3	4	5		6
M772 (RNP10)						
▲ ASOBA 17 22 22N 114 34 13E	CH 174°/291 NM 99 M	52	FL460 FL285	↓		One-way Route Hong Kong Radar 122.95 MHz
▲ DULOP 18 14 12N 114 32 36E	CH 175°/240 NM 99 M		Class A			
P901 (RNP10)						
△ CH DVOR 22 13 10N 114 01 48E	---	212	UNL FL285	↑	↓	Hong Kong Radar 127.1 MHz (PRI) 123.7 MHz (SRY)
△ IDOSI 19 00 00N 112 30 00E	CH 205°/212 NM 99 M		25	Class A	↑	
▲ IKELA 18 39 42N 112 14 42E	CH 206°/235 NM 99 M					
Q1 (RNP10)						
▲ DULOP 18 14 12N 114 32 36E	CH 175°/240NM 99M	46.6	UNL 8000 ft	↓ (Note 2)		One-way Route Hong Kong Radar 125.8 MHz (PRI) 128.75 MHz (SRY)
△ CARSO 19 00 00N 114 42 38 E	CH 171°/196NM 99M		Class A			

Note 1: For flights within the RVSM airspace, refer to FLAS in ENR1.8 para 8.

Note 2: From M771 joining Q1 – FL270, FL310, FL320, FL350, FL360, FL390 (2301 – 1600 UTC) and FL400; from M772 joining Q1 – FL300 and FL380.

▲ Compulsory ATS Reporting Points for all aircraft

△ Compulsory Reporting Points for non-jet aircraft