

ENROUTE CHART - MALAYSIAN AIRSPACE

LEGEND

AERODROME

FLIGHT INFORMATION REGION (FIR)

NAME OF FIR: KUALA LUMPUR
 UPPER LIMIT: UNL
 LOWER LIMIT: GND/WATER
 UNIT PROVIDING SERVICE: ACC LUMPUR

TERMINAL CONTROL AREA (TMA)

NAME OF TMA: KOTA KINABALU
 UPPER LIMIT: FL 245
 LOWER LIMIT: 3000FT ALT
 UNIT PROVIDING SERVICE: LUMPUR APP

CONTROL ZONE (CTR)

NAME OF CTR: KUCHING
 AIRSPACE CLASSIFICATION: 3,000FT
 UPPER LIMIT: 3,000FT
 RADIO FREQUENCY (IES): 120.2

ATS ROUTE

ROUTE DESIGNATOR: P574
 MAGNETIC TRACK: 032° - 170°
 DISTANCE IN NAUTICAL MILES: RNP 10
 REQUIRED NAVIGATION PERFORMANCE: RNP 10
 MINIMUM FLIGHT ALTITUDE (FT)/FLIGHT LEVEL: 7 000/FL 140

AREA NAVIGATION ROUTE (RNAV)

ROUTE DESIGNATOR: G 456
 MAGNETIC TRACK: 059° - 037°
 DISTANCE IN NAUTICAL MILES: FL 245
 VERTICAL LIMITS: FL 245

REPORTING POINT (REP)

COMPULSORY: ▲
 ON REQUEST: △

ATS/MET REPORTING POINT (MRP)

COMPULSORY: ▲
 ON REQUEST: △

RESTRICTED AIRSPACE (P-PROHIBITED, R-RESTRICTED, D-DANGER)

IDENTIFICATION OF AREA: WMR 109
 NATIONAL AREA: FL 500
 VERTICAL LIMIT: 6000 FT

VHF OMNIDIRECTIONAL RADIO RANGE (VOR)

COMPASS ROSE ORIENTED ON THE CHART TO MAGNETIC NORTH

NON - DIRECTIONAL RADIO BEACON (NDB)

COMPASS ROSE ORIENTED ON THE CHART TO MAGNETIC NORTH

DISTANCE MEASURING EQUIPMENT (DME)

COMPASS ROSE ORIENTED ON THE CHART TO MAGNETIC NORTH

COLLOCATED VOR AND DME NAVIGATION AIDS (VORDME)

COMPASS ROSE ORIENTED ON THE CHART TO MAGNETIC NORTH

IDENTIFICATION FOR RADIO NAVIGATION AIDS (NAVAID)

NAME: PENANG
 NAVAID, FREQUENCY, IDENTIFICATION OR CALL SIGN: VOR 116.2
 GEOGRAPHICAL COORDINATES: 05°16' 45" N, 100°15' 30" E
 ELEVATION OF DME SITE (TO THE NEAREST 30M): 60M

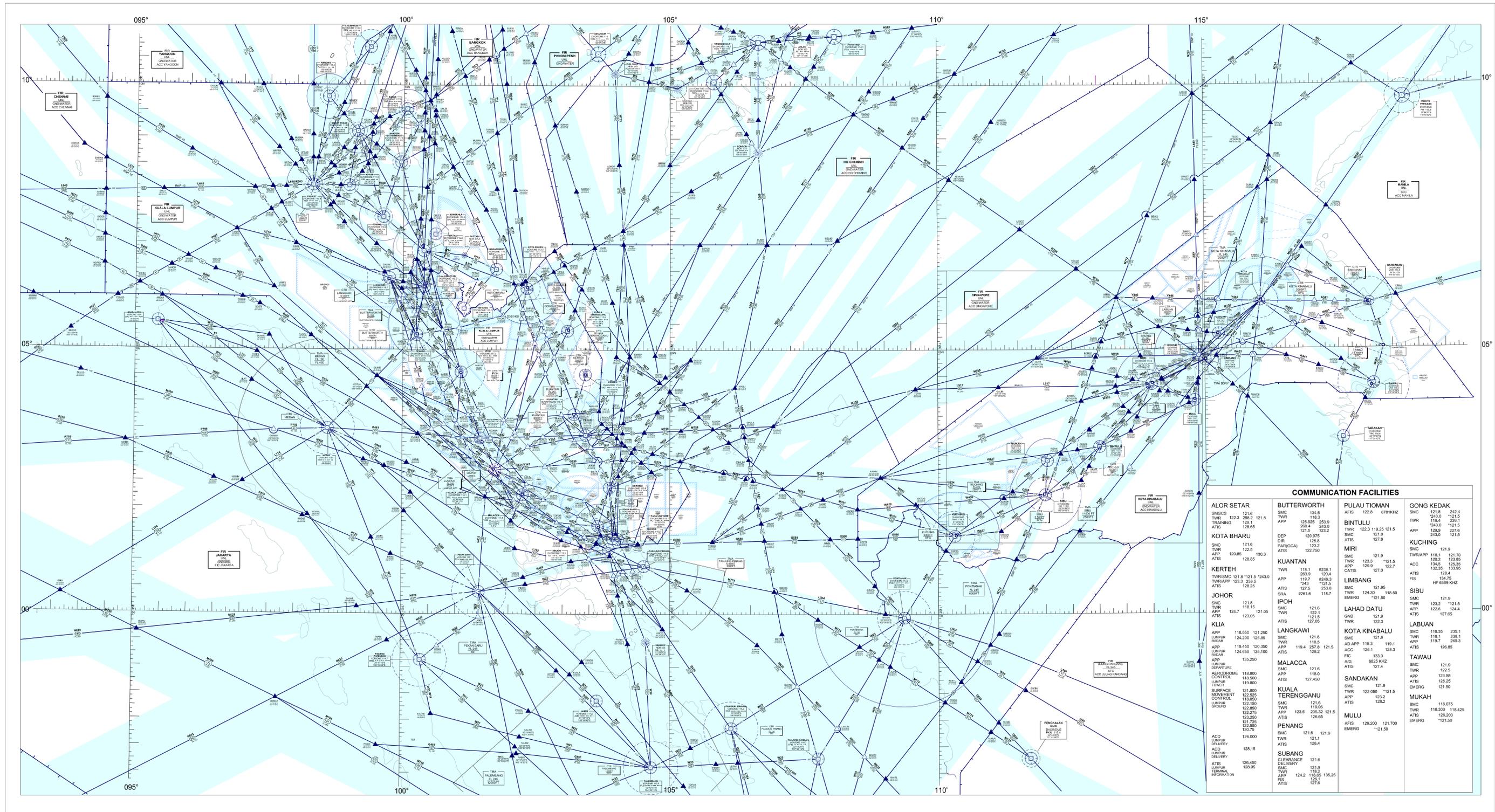
AREA MINIMUM ALTITUDE (AMA)

EACH 2° QUADRANT CONTAIN AN AREA MINIMUM ALTITUDE (AMA) WHICH REPRESENT THE LOWEST ALTITUDE WHICH MAY BE USED UNDER INSTRUMENT METEOROLOGICAL CONDITION (IMC). THE AMA PROVIDES A MINIMUM CLEARANCE OF 1000 FEET (300METERS) ABOVE ALL OBSTACLES IN THE QUADRANT. IT IS REPRESENTED IN THOUSANDS AND HUNDREDS OF FEET ABOVE MEAN SEA LEVEL. EXAMPLE: 3500 FEET 35

CAUTION

CONSULT RESPECTIVE NOTAMS AND AIPs OF COUNTRIES CONCERNED FOR THE LATEST INFORMATION AND CIVIL AVIATION AUTHORITY OF MALAYSIA DOES NOT ACCEPT RESPONSIBILITY FOR ANY ERRORS OF OMISSIONS IN THE INFORMATION SHOWN OUTSIDE OF FIR KUALA LUMPUR AND FIR KOTA KINABALU

CHIEF EXECUTIVE OFFICER
 CIVIL AVIATION AUTHORITY OF MALAYSIA
 MALAYSIA



COMMUNICATION FACILITIES

ALOR SETAR SMC 121.6 TWR 122.3 251.2 121.5 APP 120.05 253.9 ATIS 121.5 123.2	BUTTERWORTH SMC 134.8 TWR 118.3 APP 126.05 253.9 ATIS 121.5 123.2	PULAU TIOMAN AFIS 122.8 0781KHZ	GONG KEDAH SMC 121.5 TWR 243.0 *121.5 APP 118.4 228.1 ATIS 243.0 *121.5 123.9 227.6 243.0 121.5
KOTA BHARU SMC 121.6 TWR 122.5 APP 120.85 130.3 ATIS 128.85	KUANTAN SMC 123.1 TWR 118.1 #238.1 APP 119.7 #249.3 ATIS 124.3 *121.5 SRA #261.6 118.7	MIRI SMC 121.9 TWR 123.3 *121.5 APP 129.9 122.7 CATS 127.0	KUCHING SMC 121.9 TWR 118.1 121.70 APP 120.2 123.85 ACC 124.3 125.35 ATIS 132.35 133.95 128.4 FIS 134.75 HF 6589 KHZ
KERTEH TWR/SMC 121.8 *121.5 *243.0 TWR/APP 123.3 228.5 ATIS 128.25	IPOH SMC 121.6 TWR 122.1 ATIS 127.05	LANGKAWI SMC 121.8 TWR 118.5 APP 119.4 257.8 121.5 ATIS 128.2	SIBU SMC 121.9 TWR 123.2 *121.5 APP 122.6 124.4 ATIS 127.65
JOHOR SMC 121.9 TWR 118.15 121.05 APP 124.7 123.05	LAHAD DATU GND 121.9 TWR 122.3	KOTA KINABALU SMC 121.6 TWR 118.5 AD APP 118.3 119.1 ACC 126.1 128.3 FIC 133.3 AIG 6825 KHZ	LABUAN SMC 118.35 235.1 TWR 118.1 238.1 APP 119.7 243.3 ATIS 126.85
KLIA APP 118.850 121.250 LUMUR 124.200 125.85 RAGAN 122.305 APP 119.450 120.350 LUMUR 124.800 125.100 RAGAN 135.250	MALACCA SMC 121.6 TWR 118.0 APP 118.0 ATIS 127.450	SANDAKAN SMC 121.9 TWR 122.050 *121.5 APP 123.2 ATIS 126.2	TAWAU SMC 121.9 TWR 122.5 APP 123.55 ATIS 126.25 EMERG 121.50
KUALA TERENGGANU SMC 121.6 TWR 119.05 APP 123.6 226.52 121.5 ATIS 126.85	MUKAH SMC 118.075 TWR 118.300 118.425 APP 126.200 ATIS *121.50	MULU SMC 121.6 TWR 121.9 APP 124.2 118.65 135.25 ATIS 127.6	
PENANG ACD LUMUR DELIVERY 128.000 ACD LUMUR DELIVERY 128.15 ATIS 126.450 LUMUR TERMINAL INFORMATION 128.05	SUBANG ATIS DELIVERY 121.6 SMC 121.9 TWR 118.2 APP 124.2 118.65 135.25 FIS 127.6		

CHANGES : AMEND SIBU CTR & SIBU TMA.