

ENROUTE CHART - MALAYSIAN AIRSPACE

LEGEND

AERODROME

FLIGHT INFORMATION REGION (FIR)

NAME OF FIR: KUALA LUMPUR, UNL, GNDWATER, ACC LUMPUR

UPPER LIMIT: UNL

LOWER LIMIT: GNDWATER

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: 120.2

RADIO FREQUENCY (IES): 120.2

ATS ROUTE

ROUTE DESIGNATOR: P574

MAGNETIC TRACK: 032°

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: 050°

DISTANCE IN NAUTICAL MILES: 37

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 5000

VERTICAL LIMIT: 6000 FT

VHF OMNIDIRECTIONAL RADIO RANGE (VOR)

COMPASS ROSE ORIENTED ON THE CHART TO MAGNETIC NORTH

NON - DIRECTIONAL RADIO BEACON (NDB)

DISTANCE MEASURING EQUIPMENT (DME)

COLLOCATED VOR AND DME NAVIGATION AIDS (VORDME)

IDENTIFICATION FOR RADIO NAVIGATION AIDS (NAVAID)

NAME: PENANG

NAVAID, FREQUENCY, IDENTIFICATION OR CALL SIGN: VORDME 116.2

GEOGRAPHICAL COORDINATES: 05°16'45" N 100°15'33" E

ELEVATION OF DME SITE (TO THE NEAREST 30M): 60M

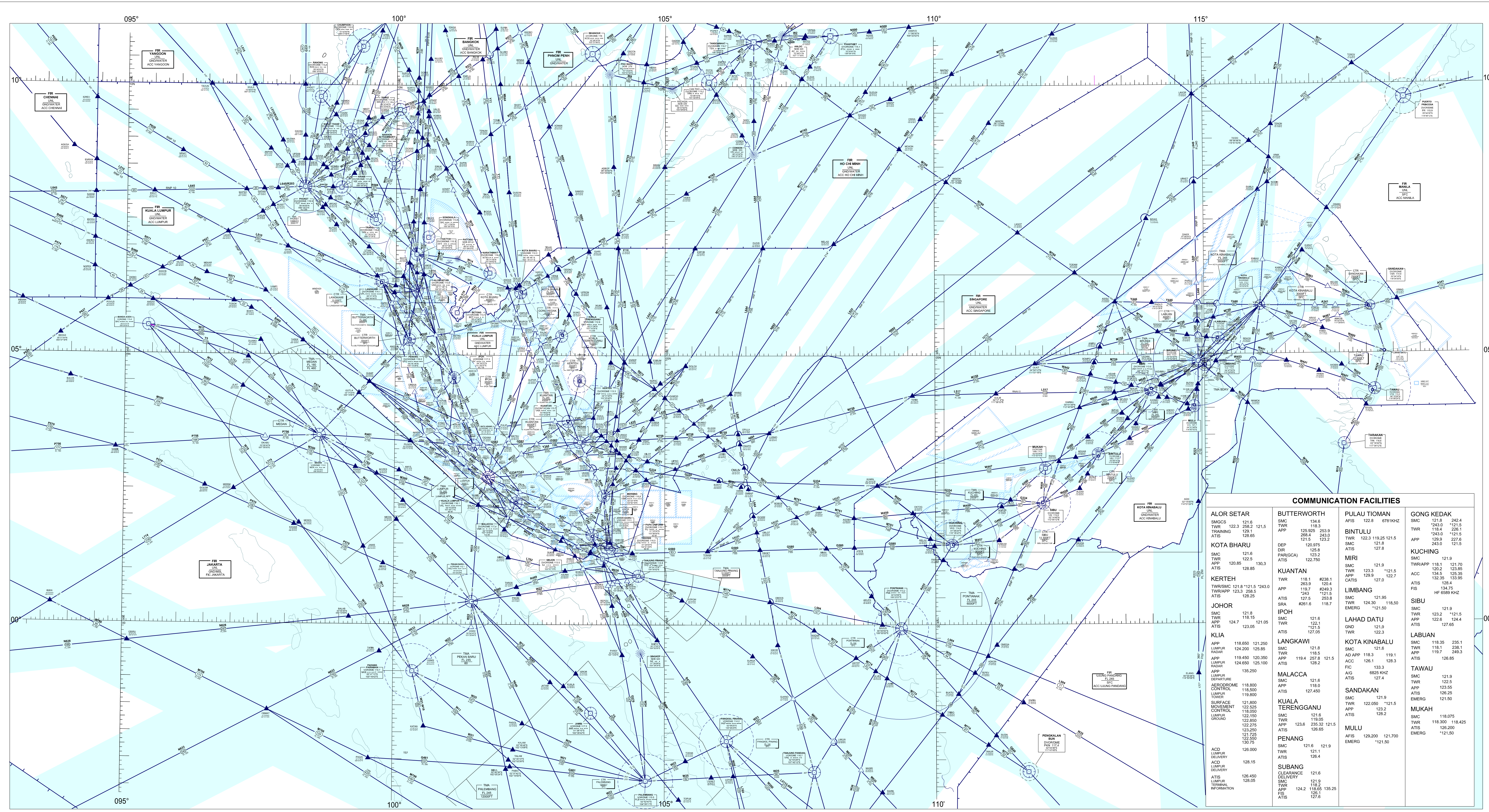
AREA MINIMUM ALTITUDE (AMA)

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

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 OR OMISSIONS IN THE INFORMATION SHOWN OUTSIDE OF FIR KUALA LUMPUR AND FIR KOTA KINABALU

CHIEF EXECUTIVE OFFICER
CIVIL AVIATION AUTHORITY OF MALAYSIA



COMMUNICATION FACILITIES

ALOR SETAR SMGCS 121.6 TWR 122.3 258.2 121.5 TRNBRNG 120.1 ATIS 128.65	BUTTERWORTH SMC 134.6 TWR 122.3 258.2 121.5 APP 125.95 263.9 DIR 268.4 243.0 ATIS 121.8 123.2	PULAU TIOMAN AFIS 122.8 6781KHZ SMC 121.8 242.4 TWR 243.0 121.5 APP 226.1 243.0 121.5 ATIS 121.8 243.0 121.5	GONG KEDAK SMC 121.8 242.4 TWR 243.0 121.5 APP 226.1 243.0 121.5 ATIS 121.8 243.0 121.5
KOTA BHARU SMC 121.6 TWR 120.85 130.3 APP 120.85 130.3	KUANTAN TWR 118.1 #238.1 APP 263.9 120.4 APP 119.7 #248.3 ATIS 127.5 263.8 SRA #201.6 116.7	MIRI SMC 121.9 TWR 123.3 121.6 APP 129.9 122.7 CATIS 127.0	KUCHING SMC 121.9 TWRAPP 118.1 121.0 TWR 120.2 123.85 ACC 134.5 135.95 ATIS 126.4 FIS 134.75 HF 6589 KHZ
KERTEH TWR/SMC 121.8 121.5 243.0 TWR/APP 123.3 258.5 ATIS 128.25	LANGKAWI SMC 121.6 TWR 122.1 ATIS 127.05	LIMBANG SMC 121.95 TWR 124.30 116.50 EMERG 121.50	SIBU SMC 121.9 TWR 123.2 121.5 APP 122.6 124.4 ATIS 127.65
JOHOR SMC 121.8 TWR 118.15 ATIS 123.05 121.05	LAHAD DATU SMC 121.6 TWR 121.9 ATIS 122.3	LABUAN SMC 118.35 235.1 TWR 118.1 238.1 APP 118.7 246.3 ATIS 126.85	MUKAH SMC 118.075 TWR 118.300 118.425 ATIS 126.300 EMERG 121.50
KLIA APP 118.650 121.250 LAMPUR 124.200 128.85 RADAR 119.450 120.350 APP 124.650 125.100	MALACCA SMC 121.6 APP 118.0 ATIS 127.450	SANDAKAN SMC 121.9 TWR 122.05 121.5 APP 126.1 232.7 ATIS 126.2	MULU AFIS 129.200 121.700 EMERG 121.50
APP 135.250	KUALA TERENGGANU SMC 121.6 TWR 118.05 APP 119.4 257.8 121.5 ATIS 128.2	MUKAH SMC 118.075 TWR 118.300 118.425 ATIS 126.300 EMERG 121.50	
APP 118.500	PENANG SMC 121.6 121.9 TWR 121.1 ATIS 126.4	SUBANG SMC 121.6 APP 118.2 TWR 124.2 118.05 135.25 ATIS 127.8	
APP 118.800			
APP 118.500			
APP 118.050			
TOWER 121.800			
SURFACE MOVEMENT CONTROL 118.050			
LAMPUR GROUND 122.150			
APP 122.850			
APP 122.275			
APP 123.250			
APP 121.725			
APP 122.550			
APP 130.75			
APP 126.000			
APP 128.15			
APP 126.450			
APP 128.05			

CHANGES : REALIGNMENT OF THE SINGAPORE AND JAKARTA FIRS, AMEND FIR BALI TO FIR UJUNG PANDANG.