

**LEGEND**

**ROME**

**INFORMATION REGION (FIR)**

NAME OF FIR: **FIR KUALA LUMPUR**

UPPER LIMIT: **OM**

LOWER LIMIT: **GNDWATER**

NOT PROVIDING SERVICE: **ACC LUMPUR**

**CONTROL AREA (TMA)**

NAME OF TMA: **TMA KOTA KINABALU**

UPPER LIMIT: **FL 245**

LOWER LIMIT: **3000FT ALT**

NOT PROVIDING SERVICE: **LUMPUR APP**

**CONTROL ZONE (CTR)**

NAME OF CTR: **CTR KUCHING**

CLASSIFICATION: **3 000FT**

UPPER LIMIT: **3 000FT**

LOWER LIMIT: **120.2**

**ROUTE**

ROUTE DESIGNATOR: **P574**

AGNETIC TRACK: **032°**

STANDARD IN NAUTICAL MILES: **170**

EQUIPPED NAVIGATION PERFORMANCE: **RNP 10**

MINIMUM FLIGHT ALTITUDE (FT)/FLIGHT LEVEL: **7 000/FL 140**

**NAVIGATION ROUTE (RNAV)**

ROUTE DESIGNATOR: **G 456**

AGNETIC TRACK: **059°**

STANDARD IN NAUTICAL MILES: **8**

CRITICAL LIMITS: **FL 245**

**REPORTING POINT (REP)**

COMPULSORY: **▲**

ON REQUEST: **△**

**REPORTING POINT (MRP)**

COMPULSORY: **▲**

ON REQUEST: **△**

**RESTRICTED AIRSPACE (R-RESTRICTED, D-DANGER)**

IDENTIFICATION OF AREA: **WMR 109**

VERTICAL AREA: **8000 FT**

CRITICAL LIMIT: **8000 FT**

**INDIRECTIONAL RADIO RANGE**

IS ROSE ORIENTED ON THE CHART: **☉**

MAGNETIC NORTH: **☊**

**IRECTIONAL RADIO BEACON (NDB)**

**DME MEASURING EQUIPMENT (DME)**

**LIMITED VOR AND DME NAVIGATION (R/DME)**

**CAUTION FOR RADIO NAVIGATION AIDS**

NAME: **PENANG**

MODE: **VOR/DME 116.2**

IDENTIFICATION OR CALL SIGN: **VPG**

GEOGRAPHICAL COORDINATES: **05°16'45" N 100°15'30" E**

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

**AREA MINIMUM ALTITUDE (AMA)**

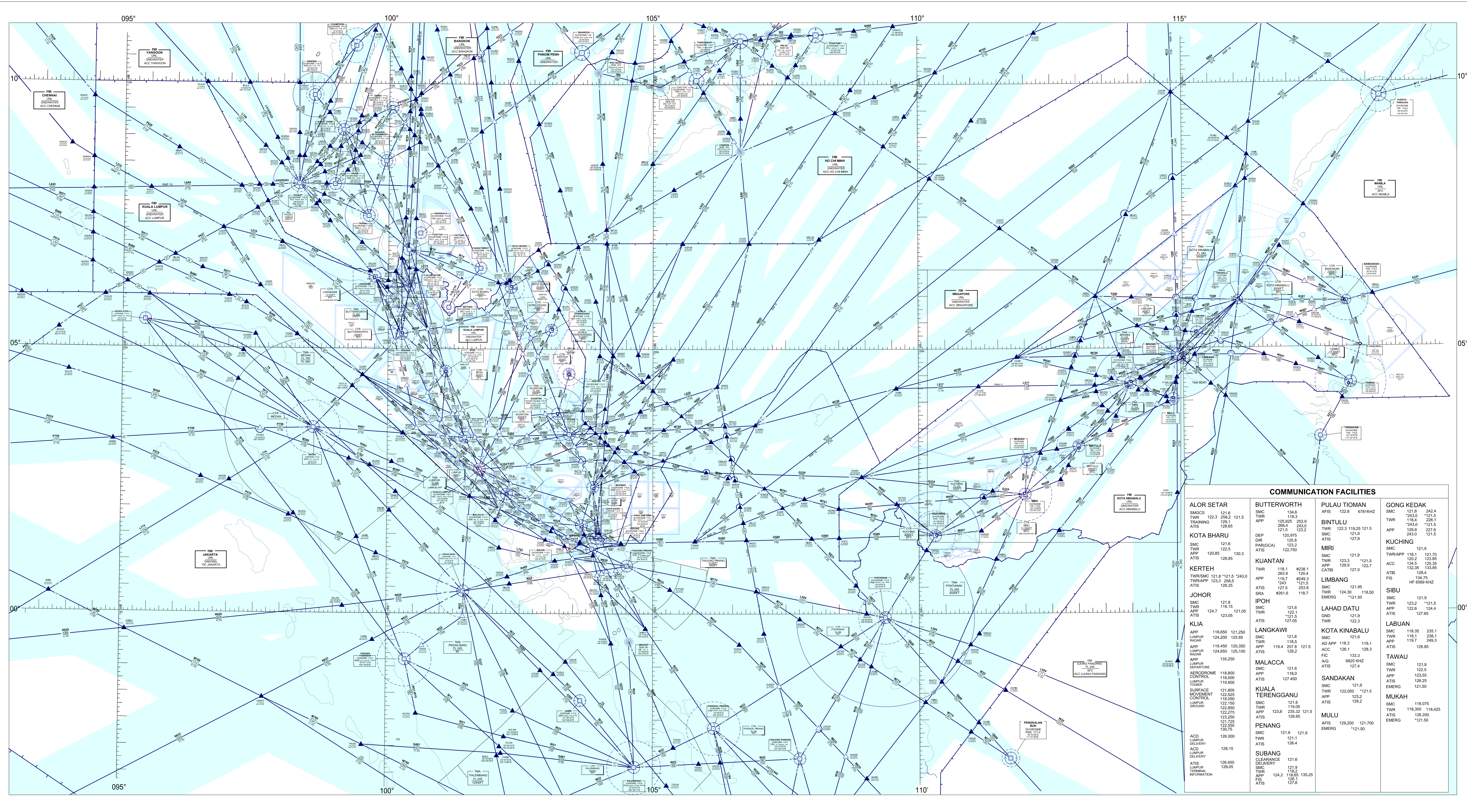
QUADRILATERAL CONTAIN AN AREA MINIMUM ALTITUDE (AMA) WHICH REPRESENTS THE MINIMUM ALTITUDE WHICH MAY BE USED UNDER INSTRUMENT METEOROLOGICAL CONDITIONS. AMA PROVIDES A MINIMUM CLEARANCE OF 1000 FEET ABOVE ALL OBSTACLES IN THE QUADRILATERAL. DIMENSIONS ARE EXPRESSED IN THOUSANDS AND HUNDREDS OF FEET ABOVE MEAN SEA LEVEL. DIMENSIONS: **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 OR OMISSIONS IN THE INFORMATION SHOWN OUTSIDE OF FIR KUALA LUMPUR AND FIR KOTA KINABALU

CHIEF EXECUTIVE OFFICER  
CIVIL AVIATION AUTHORITY OF MALAYSIA  
MALAYSIA. **CAAM**



**COMMUNICATION FACILITIES**

<b>ALOR SETAR</b> SMGCS 121.6 TWR 122.3 258.2 121.5 TRAINING 129.1 ATIS 128.65	<b>BUTTERWORTH</b> SMC 134.6 AFIS 122.8 678194Z APP 125.025 253.9 TWR 288.4 243.0 ATIS 121.5 125.2	<b>PULAU TIOMAN</b> AFIS 122.8 678194Z	<b>GONG KEDAH</b> SMC 121.8 242.4 TWR *243.0 121.5 APP *243.0 121.5 ATIS 129.8 227.6 243.0 121.5
<b>KOTA BHARU</b> SMC 121.6 TWR 122.5 130.3 ATIS 128.85	<b>KUANTAN</b> TWR 118.1 #238.1 263.9 APP 119.7 #249.3 243 ATIS 127.5 203.9 SRA #261.6 118.7	<b>MIRI</b> SMC 121.9 TWR 123.3 *121.5 APP 129.9 122.7 CATIS 127.0	<b>KUCHING</b> SMC 118.1 121.70 TWR/APP 118.1 121.70 ACC 120.2 125.85 APP 134.5 135.95 ATIS 128.4 FIS 134.75 HF 6589 KHZ
<b>KERTEH</b> TWR/SMC 121.8 *121.5 *243.0 TWR/APP 123.3 286.5 ATIS 128.25	<b>IPOH</b> SMC 121.6 TWR 122.1 APP 123.9 ATIS 127.05	<b>LIMBANG</b> SMC 121.95 TWR 124.30 116.50 EMERG *121.50	<b>SIBU</b> SMC 121.9 TWR 123.2 *121.5 APP 122.6 124.4 ATIS 127.65
<b>JOHOR</b> SMC 121.8 TWR 118.15 APP 124.7 121.05 ATIS 123.95	<b>LANGKAWI</b> SMC 121.8 TWR 118.5 APP 119.4 227.8 121.5 ATIS 128.2	<b>LAHAD DATU</b> GND 121.9 TWR 122.3	<b>LABUAN</b> SMC 118.35 235.1 TWR 118.1 235.1 APP 119.7 240.3 ATIS 126.85
<b>KLIA</b> APP 118.650 121.250 LUMPUR 124.200 125.85 APP 119.450 120.350 LUMPUR 124.650 125.100	<b>MALACCA</b> SMC 121.6 APP 118.0 ATIS 127.450	<b>KOTA KINABALU</b> GND 121.9 AD APP 118.3 119.1 ACC 126.1 128.3 FIC 133.3 AG 6825 KHZ ATIS 127.4	<b>TAWAU</b> SMC 121.9 TWR 122.5 APP 123.55 ATIS 128.25 EMERG 121.50
<b>SMC 121.800</b> APP 118.800 CONTROL 118.500 LAMPUR 118.050	<b>KUALA TERENGGANU</b> SMC 121.6 TWR 118.05 APP 123.8 235.32 121.5 ATIS 128.65	<b>SANDAKAN</b> SMC 121.9 TWR 122.050 *121.5 APP 123.2 ATIS 128.2	<b>MUKAH</b> SMC 118.075 TWR 118.300 118.425 ATIS 128.200 EMERG *121.50
<b>SMC 121.800</b> APP 118.800 CONTROL 118.500 LAMPUR 118.050	<b>PENANG</b> SMC 121.6 121.8 TWR 121.1 ATIS 126.4	<b>MULU</b> AFIS 128.200 121.700 EMERG *121.50	
<b>APP 135.250</b> LAMPUR 118.800 CONTROL 118.500 LAMPUR 118.050	<b>SUBANG</b> CLEARANCE DELIVERY 121.6 SMC 121.9 TWR 118.2 APP 124.2 118.05 135.25 FIS 129.1 ATIS 127.6		

CHANGES : REALIGNMENT OF THE SINGAPORE AND JAKARTA FIRS,  
REMOVE WAYPOINT RELAX AND WAYPOINT SALLI.