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# **ENR 5 NAVIGATION WARNINGS**

## ENR 5.1 PROHIBITED, RESTRICTED AND DANGER AREAS

### 1. INTRODUCTION

1.1 All airspace in which a potential hazard to aircraft operations may exist and all areas over which the operation of civil aircraft may, for one reason or another be restricted temporarily or permanently, are classified according to the following three types of areas as defined by ICAO.

#### 2. DANGER AREA

An airspace of defined dimensions within which activities dangerous to aircraft may exist at specified times. This term is used only when the potential danger to aircraft has not led to the designation of the airspace as restricted or prohibited. The effect of the creation of the danger area is to caution operators or pilots of aircraft that it is necessary for them to assess the dangers in relation to their responsibility for the safety of the aircraft.

#### 3. PROHIBITED AREA

3.1 An airspace of defined dimensions, above the land areas or territorial waters of a State, within which the flight of aircraft is prohibited. This term is used only when the flight of an aircraft within the designated airspace is not permitted at any time under any circumstances.

#### 4. RESTRICTED AREA

An airspace of defined dimensions, above the land areas or territorial waters of a State, within which the flight of aircraft is restricted in accordance with certain specified conditions. This term is used whenever the flight of an aircraft within the designated airspace is not absolutely prohibited but may be made only specified condition are complied with. Thus, prohibition of flight except at certain specified times leads to the designation of the airspace a 'restricted area' as would prohibited except in certain meteorological conditions. Similarly, prohibition of flight unless special permission had been obtained, leads to the designation of a restricted area. However, conditions of flight imposed as a result of application of rules of the air or air traffic service practices or procedures (for example, compliance with minimum safe heights or with rules stemming from the establishment of controlled airspace) do not constitute conditions calling for designation as a restricted area.

## 5. AREA NUMBERING

- 5.1 Each area is numbered and a single series of numbers is used for all areas, regardless of type to ensure that a number is never duplicated.
- The type of area involved is indicated by the letter 'P' for Prohibited, 'R' for Restricted and 'D' for Danger, and preceded by the FIR identifier 'WM' for Kuala Lumpur FIR and 'WB' for Kota Kinabalu FIR.

  For example, areas are assigned numbers and letters in the following manner WMD 224, WMR 226, WMP 228, WBD 518, WBP 506 WBR 501 etc.
- 5.3 In Kuala Lumpur FIR, the designated areas (P, D & R) will be numbered as follows:
  - i) From ARP SAAS Subang Airport, bearing 000° to 090° number 101 to 199
  - ii) From ARP SAAS Subang Airport, bearing 090° to 180° number 201 to 299
  - iii) From ARP SAAS Subang Airport, bearing 180° to 270° number 301 to 399
  - iv) From ARP SAAS Subang Airport, bearing 270° to 360° number 401 to 499
- In Kota Kinabalu FIR, the designated areas (P, D & R) East of Longitude 114° shall be numbered from 500 to 599 and the designated areas (P, D & R) West of Longitude 114° shall be numbered from 600 to 699.

### 6. AREA DESCRIPTION

6.1 Each area is described in the tabulation found in ENR 5.1 - 2 to ENR 5.1 - 16 which indicates its lateral and vertical limits, the type of restriction or hazard involved, the times at which it applies and other pertinent information.

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PROHIBITED, RESTRICTED AND DANGER AREAS KUALA LUMPUR FIR, KOTA KINABALU FIR AND SOUTH CHINA SEA CORRIDOR **Upper Limits** Identification, Name and Type of Restriction Remarks **Lateral Limits Lower Limits** 2 1 3 **PROHIBITED AREAS** WMP 220 - PUSPATI Area within 1.6 KM radius of **Nuclear Energy Unit** Permanent 2 000 FT ALT 025459 N 1014755 E. **GND** WMP 228 - BUKIT SERENE Area within 2 NM centred on Sultan's Palace Permanent 5 000 FT ALT 012845 N 1034334 E with the GND southern border of the Prohibited Area coinciding with the coastline of South Johor. **WBP 503** A racetrack pattern area of half HM Sultan's Palace. Permanent. 3 000 FT ALT NM radii on 045242N 1145528E Controlling Authority: GND and 045219N 1145512E and HM Sultan's Flight. joined by straight lines. WBP 504 - JERUDONG Circle of 3000 ft (915 m) radius Permanent. 500 FT ALT centred on 045320N 1145003E. GND **WBP 506** Circle of 1/2 NM radius centred HM Sultan's Palace. Permanent. 3 000 FT ALT on 045554N 1144925E. Controlling Authority: **GND** HM Sultan's Flight. **WBP 602** Area within 1000 ft centred on **Ammunition Depot** All acft not to fly below 500 ft in 500 FT ALT their Approach / Departure / 013105 N 1102125 E. GND Transit to or from the airfield using that sector. In the event of emergency pilots are to avoid this area.

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Identification, Name and	<b>Upper Limits</b>	Time of Destricts	Damada
Lateral Limits	Lower Limits	Type of Restriction	Remarks
1	2		3
	RESTRIC	ΓED AREAS	
WMR101A			
3 NM radius centred on Bentong Airstrip (033259N 1015255E).	3 000 FT ALT GND	Training	Activity - Week days. Flight Information Service available from Lumpur Information. Aerobatics may take place in both areas but are subject to
WMR101B			ATC clearance.
3 NM radius centred on Termeloh Airstrip (032759N 1022254E).	3 000 FT ALT GND	Training	
WMR102B			
The area bounded by: 044506N 1030342E, 052507N 1032421E, 045000N 1034400E, 041346N 1034204E, 040000N 1033425E, 040000N 1032133E, 044506N 1030342E. (Excluding Kerteh CTR)	FL 370 GND / SEA	Training	Controlling Authority: RMAF Kuantan Approach. The areas shall be released to Lumpur ACC when not active All acft on B469 / M751 / W54 deviating east of track when areas WMR 102B and WMR 103B are active and west of the track when area WMR 104 is active and other acft intending to enter these areas shall cto Kuantan Approach or Lumpur Control as appropriate and obtain tfc info. Pilots are warned
WMR103B  032620N 1033846E, 033718N 1033023E, along the Kuantan Control Boundary 040000N 1032804E, 040000N 1033425E, 041346N 1034204E, 034000N 1035335E, 032620N 1035335E, 032620N 1033846E.	FL 230 GND / SEA	Training	that these areas are extensive used by military aircraft.  Note: Where the training area boundaries and airways are contiguous, a buffer of 5 NM shall be applied on the training side of the bdry. However no buffer shall be applied if both military and airway tfc are under the control of only one authori which is in communication with all tfc.
WMR104			Activity:
The area bounded by 032859N 1030254E, 023959N 1023454E, 022300N 1025954E, 022300N 1034554E, 032059N 1032054E, 031859N 1031554E, 032859N 1030254E.	1 <u>0 000 FT AL</u> T 3 000 FT ALT	Training	Monday - Saturday: 2230 - 1030 daily.

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PROHIBITED, RESTRICTED AND DANGER AREAS KUALA LUMPUR FIR, KOTA KINABALU FIR AND SOUTH CHINA SEA CORRIDOR **Upper Limits** Identification, Name and Type of Restriction Remarks **Lateral Limits Lower Limits** 1 2 3 WMR105 Controlling Authority: Line joining from 061948N FL 235 **RMAF Flying Training** 1025340E to 061110N 1023956E 5 500 FT ALT Lumpur Control thence 061709N 1023732E Delegated to Gong Kedak Approach when area is active. thence along arc 20 NM from VKB VOR/DME to 062804N Operation Restriction: 1022721E thence 064147N Traffic while operating within the 1024147E thence 061948N Restricted Areas shall confine 1025340E. flying to within 5 NM from the boundries. **WMR106** From 061110N 1023956E to FL 550 RMAF FlyingTraining Controlling Authority: 061948N 1025340E to 055622N Lumpur Control 5 500 FT ALT 1030620E to 053248N 1025400E Delegated to Gong Kedak to 053940N 1024528E then along Approach when area is active. Operation Restriction: an arc 40NM centered from VKB VOR to 054500N 1025025E then Traffic while operating within the to 061110N 1023956E. Restricted Areas shall confine flying to within 5 NM from the boundries. **LINK CORRIDOR** Area bounded by coordinates: Controlling Authority: FL 200 053702N 1030004E, 053414N FL 130 Lumpur Control. 1025558E, 050550N 1031434E, 051056N 1031713E and Link Corridor transiting above Kuala Terengganu CTR 053702N 1030004E. between WMR 106 and WMR 102B is established to facilitate the activity between restricted training areas. **WMR107** From 052958N 1022349E thence 7 000 FT ALT Controlling Authority: RMAF Flying Training along 40 Nm arc from VKB VOR Gong Kedak Approach. GND to 053940N 1024528E then Released to Lumpur Control straight line to 053234N when area not active 1025426E then along K. Operation Restrictions:

Terengganu CTR Bdry to

line to 052958N 1022349E.

051556N 1024533E then along

an arc 60 Nm from VKB VOR to

051049N 1023100E the a straight

boundries.

Traffic while operating within the

Restricted Areas shall confine

flying to within 5 NM from the

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Identification, Name and	Upper Limits  Lower Limits	FIR AND SOUTH CHINA	
Lateral Limits		Type of Restriction	Remarks
1	2		3
WMR108			
From 053308N 1020235E thence along 40 NM arc from VKB VOR to 052956N 1022349E then to 051048N 1023100E thence along 60 NM arc VKB VOR to 051254N 1015900E then to 053308N 1020235E.	7 000 FT ALT GND	RMAF Flying Training	Controlling Authority: Gong Kedak Approach. Released to Lumpur Control when area not active. Operation Restrictions: Traffic while operating within the Restricted Areas shall confine flying to within 5 NM from the boundries.
WMR109			
From 052217N 1010347E straight line to 053402N 1020034E to 053308N 1020232E to 040241N 1014721E to 043931N 1011432E to 051828N 1010256E to 052217N 1010347E.	FL 500 8000 FT within Ipoh CTR: FL 500 11000 FT	RMAF Flying Training	Controlling Authority: Lumpur Control Delegated to Butterworth Approach when the area is active. Operation Restriction: Traffic while operating within Restricted Areas shall confine flying to within 5 Nm from the Boundries.
			Note: Ipoh CTR Ground - 9500 FT.
WMR223 - KANGAR KAHANG			
5 NM radius centred on 021500N 1033354E.	1 <u>0 000 FT AL</u> T GND	Parachute Dropping	Controlling Authority: Kluang Tower :128.3/122.4 Mhz Tel : 607-7757095 Activity will be notified by NOTAM.
WMR225 - NORTH - KLUANG			
An arc of a circle radius 20 NM centred on 020230N 1031824E (Kluang CTL TWR) fm 020000N 1025839E to 021830N 1032954E. Then an arc of circle radius 6 NM centred at 020230N 1031824E (Kluang CTL TWR) fm 020200N 1031224E to 020730N 1032154E. Then straight lines joining 020000N 1025839E to 020200N 1031224E and 021830N 1032954E to 020730N 1032224E.	3 500 FT ALT GND	Army Airwing Helicopter Training Area	Controlling Authority: Kluang Tower: 128.3/122.4 MHz Mon - Thu: 2330 - 1030 Fri: 2330 - 0500 and 0600 - 1030 Sat 2330 - 0430 Sun - Public Holidays closed PPR for all non - Malaysian Army acft. During hrs of ops, request thru Kluang Army Airwing Ops (48 hrs PN). No refuelling for civil acft.

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PROHIBITED, RESTRICTED AND DANGER AREAS KUALA LUMPUR FIR, KOTA KINABALU FIR AND SOUTH CHINA SEA CORRIDOR **Upper Limits** Identification, Name and Type of Restriction Remarks **Lateral Limits Lower Limits** 1 2 3 WMR225A Area bounded by coordinates: Military Helicopter Controlling Authority: From 020000N 1025839E to Training. Kluang Tower: 128.3/122.4 MHz 022637N 1025250E thence along Mon - Fri : 2330 - 1030 daily Sat: 2330 - 0430 35NM arc centered at 020238N 1031827E (Kluang ARP) to A020 023000N 1034006E. Then a GND straight line to 021830N 1032954E thence along 20NM arc centered at 020238N 1031827E (Kluang ARP) to 020000N 1025839E. **WMR225B** Area bounded by coordinates: Military Helicopter Controlling Authority: From 020730N 1032154E to Kluang Tower: 128.3/122.4 MHz Training. 021830N 1032954E to 023000N Mon - Fri: 2330 - 1030 daily 1034006E to 021255N 1034006E A020 Sat: 2330 - 0430 to 020327N 1032420E thence **GND** along 6NM arc centered at 020238N 1031827E (Kluang ARP) to 020730N 1032154E. WMR226 - WEST - KLUANG Army Airwing Helicopter Controlling Authority: An arc of a circle radius 20 NM centred at 020230N 1031824E Kluang Tower: 128.3/122.4 MHz Training Area 2 000 FT ALT (Kluang CTL TWR) fm 020000N Mon - Thu: 2330 - 1030 1025839E to 014630N **GND** Fri: 2330 - 0500 and 0600 -1030554E. Then an arc of circle 1030 Sat 2330 - 0430 radius of 6 NM centred at 020230N 1031824E (Kluang CTL Sun - Public Holidays closed TWR) fm 020200N 1031224E to PPR for all non - Malaysian 015650N 1031709E. Army acft. During hrs of ops, request thru Kluang Army Airwing Ops (48 hrs PN) No refuelling for civil acft. **WMR229** 1 NM radius centred on 013730N **Helicopter Operations** 1 500 FT ALT Active: 1034952E. Mon to Fri: 0100 - 0830 daily. **GND** Visiting military acft are required to give advance notice of movements to Jungle Warfare School.

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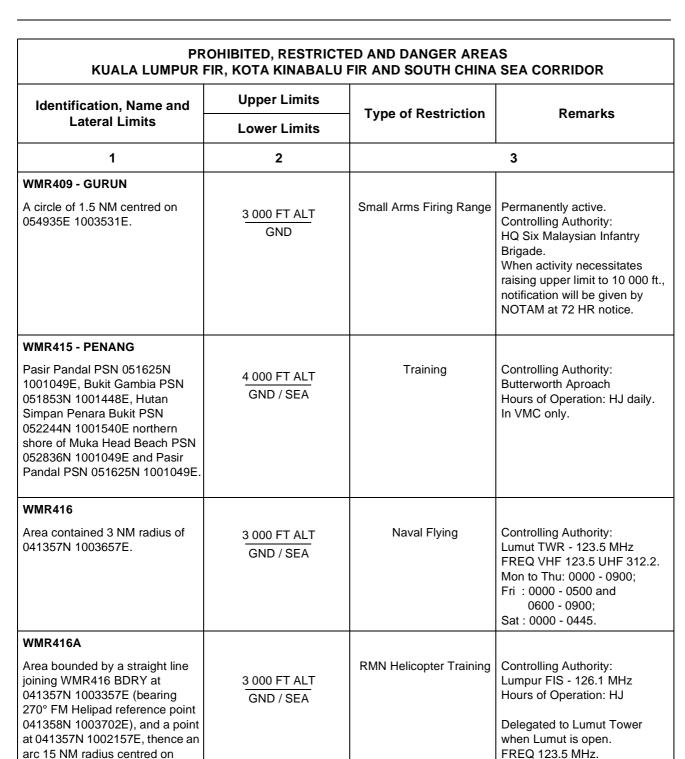
PROHIBITED, RESTRICTED AND DANGER AREAS KUALA LUMPUR FIR, KOTA KINABALU FIR AND SOUTH CHINA SEA CORRIDOR				
Identification, Name and Lateral Limits	Upper Limits	Type of Restriction	Remarks	
Lateral Limits	Lower Limits			
1	2		3	
WMR236  Straight line fm 030635N 1014643E to 030959N 1015055E to 030959N 1020555E to 025559N 1020455E to 025659N 1015041E to 030417N 1014619E to 030636N 1014648E.	2 000 FT ALT GND	Flying Training	Controlling Authority: Lumpur Approach North - 124.2 MHz. Hours of Operation: HJ. in VMC only.	
WMR237				
Straight line fm 023659N 1020325E (Kg. Gam) to 022800N 1021355E (Simpang Ampat) to 021442N 1015625E to 022530N 1014355E to start.	2 000 FT ALT GND / SEA	Flying Training	Controlling Authority: Malacca Tower - 118.0 MHz Hours of Operation: HJ. in VMC only.	
WMR238				
Area bounded by coordinates 030307N 1014117E, 030307N 1014237E, 030228N 1014237E and 030228N 1014117E.	3 000 FT ALT GND	Satellite Transmission Hub	Controlling Authority: Lumpur Approach North - 124.2 MHz.	
WMR239A				
Area bounded by coordinates 020900N 1022100E to 021715.30N 1022913.30E to 020900N 1024612E to 015500N 1023900E thence along the coastline to 020900N 1022100E	5 000 FT ALT GND/SEA	Flying Training	Controlling Authority: Malacca TWR - 118.0 MHz. Hours of Operation: HJ. In VMC only.	
WMR239B				
Area bounded by coordinates 020900N 1022100E thence along the coastline to 015500N 1023900E, 014700N 1023500E, 020000N 1021700E, 020700N 1022000E to 020900N 1022100E.	5 000 FT ALT GND	Flying Training	Controlling Authority: Malacca TWR - 118.0 MHz. Hours of Operation: HJ. In VMC only.	
WMR302A				
Straight line fm 030459N 1004139E, 024405N 1012847E, 022206N 1012834E to start.	FL 460 6 500 FT ALT	Flying Training	Controlling Authority: Lumpur Approach and Lumpur Control H24.	
WMR302B				
Straight line fm 030459N 1004139E, 024405N 1012847E, 024811N 1012850E, 031534N 1005407E, 031714N 1002815E to start.	FL 460 6 500 FT ALT	Flying Training	Controlling Authority: Lumpur Approach and Lumpur Control H24.	

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PROHIBITED, RESTRICTED AND DANGER AREAS KUALA LUMPUR FIR, KOTA KINABALU FIR AND SOUTH CHINA SEA CORRIDOR **Upper Limits** Identification, Name and Type of Restriction Remarks **Lateral Limits Lower Limits** 3 1 2 **WMR403** Area contained within 055759N Military Flying Controlling Authority: 1002055E then along the coast to 10 000 FT ALT Alor Star TWR - 122.3 MHz. Alor Star Control Zone BDRY Hours of Operation: HJ. SEA west at PSN 062358N 1000755E In VMC only. then along the Alor Star CTL Zone west to PSN 060959N 1000355E then along the Butterworth Control Zone to PSN 055759N 1001655E. **WMR404** Area contained within Kuala Military Flying Controlling Authority: 10 000 FT ALT Alor Star TWR - 122.3 MHz Perlis PSN 062358N 1000755E, Hours of Operation: HJ. thence a straight line joining the GND permanent danger area at the In VMC only. Malaysia / Thai border at PSN 063023N 1001155E, thence along the border of the permanent danger area to PSN 062558N 1001555E, thence along the railway line to PSN 061538N 1002125E, following an arc of 5 NM radius from centre of runway joining Sg. Korak, Changlieh thence along this canal joining the coast at PSN 061259N 1001425E, thence along the coast to Kuala Perlis. **WMR405** Area contained within 063023N Military Flying Controlling Authority: 1001155E, thence along the Alor Star TWR - 122.3 MHz 10 000 FT ALT southern border of the permanent Hours of Operation: HJ. **GND** danger area to Kuala Nerang In VMC only. PSN 061558N 1003655E, thence FIS will be provided by Lumpur. a straight line joining Bukit Koh Also see AD Mai at the Malaysian / Thai border PSN 062638N 1003855E, thence along the Malaysia / Thai border PSN 063143N 1002155E, thence a straight line to Mata Ayer PSN 064008N 1001655E, thence a straight line joining the permanent border danger area at 063023N 1001155E.

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PROHIBITED, RESTRICTED AND DANGER AREAS KUALA LUMPUR FIR, KOTA KINABALU FIR AND SOUTH CHINA SEA CORRIDOR				
Identification, Name and Lateral Limits	Upper Limits	Type of Restriction	Remarks	
	Lower Limits	Type of Recuirement	T.O.II.G.	
1	2		3	
WMR406				
Area contained within Kuala Nerang PSN 061558N 1003655E, thence a straight line to Bukit Koh Mai PSN 062638N 1003855E, thence at along the Malaysia/Thai border to PSN 061538N 1005220E, thence a straight line joining PSN 055759N 1010155E, thence along Butterworth TMA BDRY North to the border of the Permanent Danger Area at PSN 055759N 1004330E, thence along the Permanent Danger Area to Kuala Nerang PSN 061558N 1003655E.	FL 200 GND	Military Flying	Controlling Authority: Alor Star TWR - 122.3 MHz Hours of Operation: HJ. In VMC only. Subject to prior coordination with the relevant authorities.	
WMR407				
Area contained within 061538N 1005220E, thence along the Malaysia / Thai border to PSN 055759N 1010705E, thence a straight line joining PSN 055759N 1010155E, thence a straight line joining PSN 061538N 1005220E.	FL 200 GND	Military Flying	Controlling Authority: Alor Star TWR - 122.3 MHz Hours of Operation: HJ. In VMC only. Subject to prior coordination with the relevant authorities.	
Area contained within Pokok Sena PSN 060959N 1003105E, thence a straight line joining Kampong Titi Hj Idris PSN 060419N 1002745E, thence along the Langgar/Pendang Road to Butterworth TMA BDRY North at 055759N 1002830E, thence along the Butterworth CTL BDRY North to PSN 055759N 1003845E, thence along the Alor Star CTR BDRY East to the border of the Permanent Danger Area at 060229N 1004205E, thence along the border of the Permanent Danger Area to Naka 060829N 1003945E, thence along the Naka / Pokok Sena Road to Pokok Sena PSN 060959N 1003105E.	10 000 FT ALT GND	Military Flying	Controlling Authority: Alor Star TWR - 122.3 Mhz Hours of Operation: HJ. In VMC only.	



helipad reference point clockwise to a point 042857N 1003715E, thence following the coastline to Lumut WMR 416 BDRY at 041624N 1003524E.

PROHIBITED, RESTRICTED AND DANGER AREAS KUALA LUMPUR FIR, KOTA KINABALU FIR AND SOUTH CHINA SEA CORRIDOR **Upper Limits** Identification, Name and Type of Restriction Remarks **Lateral Limits Lower Limits** 1 2 3 **WMR416B** Area bounded by a straight line RMN Helicopter Training Controlling Authority: 3 000 FT ALT joining Lumut WMR 416 BDRY at Lumpur FIS. 041614N 1003900E (bearing GND / SEA FREQ 126.1 MHz. 042° FM Helipad reference point HR of OPR: HJ 041357N 1003657E), to a point at 042247N 1004543E, thence to Delegated to Lumut Tower 042747N 1004325E, then an arc when Lumut is open. FREQ 123.5 MHz. of 15 NM radius centred on helipad reference point anticlockwise to a point 042857N 1003715E, thence following the coastline to Lumut WMR 416 BDRY at 041624N 1003523E. **WMR416C** RMN Helicopter Controlling Authority: Area bounded by a straight line 3 000 FT ALT joining Lumut WMR 416 BDRY at Training. Lumpur FIS. GND / SEA 041357N 1003357E (bearing FREQ 126.1 MHz. 270° FM Helipad reference point HR of OPR: HJ 041357N 1003657E), thence an Active daily during daylight HR arc of 15 NM radius centred on and in VMC. helipad reference point anticlockwise to a point 040157N Delegated to Lumut Tower 1004455E, thence following the when Lumut is open. coastline to Lumut Restricted FREQ 123.5 MHz. Area BDRY at 041057N 1003653E, thence clockwise around the BDRY of Lumut WMR 416 to 041357N 1003357E. **WMR417** Straight line fm 5 000 FT ALT Controlling Authority: 034459N 1004455E to Flying Training GND / SEA 034659N 1004855E to Lumpur Approach North -034705N 1011331E to 124.2 MHz. 032429N 1012007E to Hours of Operation: HJ 031959N 1011455E to In VMC only. 031959N 1005955E to start. **WMR418** Straight line fm Flying Training Controlling Authority: 2 000 FT ALT 034705N 1011331E to Lumpur Approach North -GND / SEA 033437N 1012825E to 124.2 MHz 032159N 1013613E to Hours of Operation: HJ 032459N 1012619E to In VMC only. 032429N 1012007E to 034706N 1011336E to start.



PROHIBITED, RESTRICTED AND DANGER AREAS KUALA LUMPUR FIR, KOTA KINABALU FIR AND SOUTH CHINA SEA CORRIDOR				
Identification, Name and Lateral Limits	Upper Limits	Type of Restriction	Remarks	
	Lower Limits	Type of Restriction	Remarks	
1	2		3	
WMR419				
From 041103N 1002216E along the western boundary of WMR 416C to 040135N 1004531E thence along the coast line to 034840N 1004623E to 032400N 1001705E (PUGER) to 041705N 0992000E (GOTLA) TO 041103N 1002216E.	5 000 FT ALT SEA	Royal Malaysian Navy (RMN) Helicopter Training	Controlling Authority: Lumpur Control Delegated to Lumut Tower when the area is active. Hours of Operation: H24	
WSR2 - TENGAH CORRIDOR				
Area within 2 circles, 2 NM radius centred at Tengah and 4 NM radius centred at a PSN 011000N 1033324E and the tangents joining these circles but excluding WSD 11 (Pasir Laba Range) when notified as ACT.	FL 300 3 000 FT ALT	Jet Let-Down Sector.	Controlling Authority: Tengah Approach -130.0/263.4 MHz (During ops hr). Singapore ATCC - 123.4/288.2 MHz (outside Tengah ops hr) Activity: Sun/Mon to Thu/Fri: 2300 - 1100. Fri/Sat: 2300 - 0500.	
WBR501 - LABUAN				
Area bounded by 051459N 1151848E, 053127N 1154040E, 054729N 1154018E, 052559N 1151848E and 051459N 1151848E.	2 000 FT ALT GND / WATER	RMAF Helicopter Training Area.	Controlling Authority: Labuan Tower. Hours of Operation: HJ In VMC only.	
WBR517				
Area bounded by line joining successively the following points - 054259N 1125949E, 063259N 1140449E, 061259N 1141949E, 055259N 1140149E and 054259N 1125949E.	FL 400 5 000 FT ALT	Military Flying	ACT will be notified by the issuance of NOTAM.	
AIR CORRIDOR ASSOCIATED WITH WBR 517			Controlling Authority: Kota Kinabalu ACC.	
Area bounded by line joining successively the following points - 051159N 1143607E, 050559N 1140249E, 054259N 1125949E, 055259N 1140149E and 051159N 1143607E.	1 <u>2 500 FT AL</u> T SEA	For acft transitting from Labuan and Brunei to WBR 517 and vice versa.	Activity will be notified by NOTAM.	

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PROHIBITED, RESTRICTED AND DANGER AREAS KUALA LUMPUR FIR, KOTA KINABALU FIR AND SOUTH CHINA SEA CORRIDOR				
Identification, Name and Lateral Limits	Upper Limits	Type of Restriction	Remarks	
Lateral Limits	Lower Limits			
1	2		3	
WBR518  Commencing FM 060259N 1141019E, a straight line to 061259N 1141949E, thence a straight line to 060359N 1142849E, thence an arc of a circle 65 NM radius centred on Labuan ARP to 062259N 1151718E, thence a straight line to 054259N 1151618E, thence anti-clockwise along the Labuan CTR BDRY to 053229N 1145418E, thence a straight line to the starting point at 060259N 1141019E.	1 <u>2 000 FT AL</u> T SEA	RMAF Jet Training.	Controlling Authority: Kota Kinabalu ACC. Hours of Operation: 2230 - 1530.	
WBR519 Commencing FM 063259N 1140449E following the Singapore / Kota Kinabalu FIR BDRY to 073158N 1152218E, thence a straight line to 062029N 1145618E, thence an arc of a circle 65 NM radius centred on Labuan ARP to 060359N 1142849E, thence to 061259N 1141949E and back to the starting point at 063259N 1140449E.	4 <u>0 000 FT AL</u> T SEA	RMAF Jet Training.	Controlling Authority: Kota Kinabalu ACC. Hours of Operation: 2230 - 1530.	
WBR520  Commencing FM 073158N 1152218E following the Singapore / Kota Kinabalu FIR BDRY to 080258N 1160218E, thence a straight line to 070258N 1160218E, thence a straight line 062259N 1151718E, thence an arc of a circle 65 NM radius centred on Labuan ARP to 062029N 1145618E, thence back to the starting point at 073158N 1152218E.	1 <u>2 000 FT AL</u> T SEA	RMAF Jet Training.	Controlling Authority: Kota Kinabalu ACC. Hours of Operation: 2230 - 1530.	
WBR522  Area bounded by line joining successively the following points: 052749N 1182743E, 055500N 1185500E, 051500N 1193500E, 043000N 1184800E and 052749N 1182743E	FL550 GND/SEA	RMAF Jet Training.	Controlling Authority: Kota Kinabalu ACC.	

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PROHIBITED, RESTRICTED AND DANGER AREAS KUALA LUMPUR FIR, KOTA KINABALU FIR AND SOUTH CHINA SEA CORRIDOR **Upper Limits** Identification, Name and Type of Restriction Remarks **Lateral Limits Lower Limits** 1 2 3 WBR560 / 502 Lumut Gas Plant Area bounded Controlling Authority: by lines joining successively the Brunei Shell Petroleum Co. following points: Gas Plant Jetty Sdn. Bhd. 043950N 1142743E, 044009N Loading Crane And Hours of Operation: H24 1 500 FT ALT 1142820E 044309N 1142648E Tanker. SEA 044250N 1142620E. Highest obstacle are: - The land flare structure 396 ft - The loading Crane adjustable to maximum hgt of 204 ft. **WBR523** An arc of a circle radius 40NM Controlling Authority: centered at 055400N 1160200E Kinabalu Approach (VJN/DVOR) from 055400N 1152200E to 063400N 1160200E **Operation Hours:** Mon - Fri : 0001 - 0900 then an arc of a circle radius 20NM centered at 055400N Sat: 0001 - 0445 1160200E (VJN/DVOR) from Fri: closed between 0500 - 0600 2000 FT ALT 055400N 1154200E to 061400N SEA 1160200E then straight line Remark: Traffic operating in the joining 055400N 1154200E to vicinity of Sepanggar Bay and 055400N 1152200E and transiting training areas are 061400N 1160200E to 063400N subject to normal Air Traffic 1160200E service/Holding/Passing of traffic information. **WBR524** An arc of a circle radius 40NM, Controlling Authority: Kinabalu Approach centered at 055400N 1160200E (VJN/DVOR) from 063400N 1160200E to 062742N 1162524E Operation Hours: Mon - Fri : 0001 - 0900 then an arc of a circle radius 20NM centered at 055400N Sat: 0001 - 0445 1160200E (VJN/DVOR) from Fri: closed between 0500 - 0600 1000 FT ALT 061400N 1160200E to 061230N SEA 1161030E then straight line Remark: Traffic operating in the joining 061400N 1160200E to vicinity of Sepanggar Bay and 063400N 1160200E and coastline transiting training areas are joining 061230N 1161030E to subject to normal Air Traffic 062742N 1162524E. service/Holding/Passing of traffic information.

Identification, Name and	Upper Limits	FIR AND SOUTH CHINA	
Lateral Limits	Lower Limits	Type of Restriction	Remarks
1	2		3
WBR525  An arc of a circle radius 40NM centered at 055400N 1160200E (VJN/DVOR) from 062742N 1162524E to 055400N 1164200E then an arc of a circle radius 20NM centered at 055400N 1160200E (VJN/DVOR) from 061230N 1161030E to 055400N 1163200E then coastline joining 061230N 1161030E to 062742N 1162524E and straight line joining 055400N 1163200E to 055400N 1164200E.	4 000 FT ALT GND		Controlling Authority: Kinabalu Approach  Operation Hours: Mon - Fri : 0001 - 0900 Sat: 0001 - 0445 Fri: closed between 0500 - 0600 Remark: Traffic operating in the vicinity of Sepanggar Bay and transiting training areas are subject to normal Air Traffic service/Holding/Passing of traffic information.
WBR601 - KUCHING  Area bounded by 014500N 1100051E, 014500N 1101051E, 013500N 1101051E, 013500N 1100100E and 014500N 1100100E.	2 000 FT ALT GND	RMAF Helicopter Training Area.	Controlling Authority: Kuching Approach . Hour of Operation: HJ In VMC only.
WBR603  Area commencing from 014739N 1100227E (RDL 320/25 DME VKG), thence a straight line to 020653N 1094624E (RDL 320/50 DME VKG), thence clockwise along an arc of a circle of 50 NM centred on VKG DVOR/DME to 021753N 1102710E (RDL 010/50 DME VKG), thence a straight line to 015309N 1102250E (RDL 010/25 DME VKG), thence anti-clockwise along an arc of a circle of 25 NM centred on VKG DVOR/DME to 014739N 1100227E (RDL 320/25 DME VKG).	FL 150 6 000 FT ALT	Aircraft Training	Kuching Approach Control Hours of Operation: 2230 - 1300.



PROHIBITED, RESTRICTED AND DANGER AREAS KUALA LUMPUR FIR, KOTA KINABALU FIR AND SOUTH CHINA SEA CORRIDOR				
Identification, Name and Lateral Limits	Upper Limits	T f D t i . d	Remarks	
	Lower Limits	Type of Restriction	Remarks	
1	2		3	
WBR604				
Area commencing from 011821N 1103548E (RDL 120/20 DME VKG), thence a straight line to 010848N 1105213E (RDL 120/39 DME VKG), thence a straight line to 005901N 1103130E (RDL 156/32 DME VKG), thence a straight line to 011002N 1102637E (RDL 156/20 DME VKG), thence anti-clockwise along an arc of a circle of 20 NM centred on VKG DVOR/DME to 011821N 1103548E (RDL120/20 DME VKG).	<u>FL 150</u> 6 000 FT ALT	Aircraft Training	Kuching Approach Control Hours of Operation: 2230 - 1300.	
WBR605				
Area bounded by a straight line from Gunung Semuja Tamiang (010656N 1103459E) to Pasar Gedong (011441N 1104124E) to Bukit Peramu (011441N 1105800E) to Bukit Tabong (010527N 1105958E) to Pasar Balai Ringin (010313N 1104618E) to Gunung Semuja Tamiang (010656N 1103459E).	2 500 FT ALT GND	Helicopter Training	Kuching Approach Control Hours of Operation: HJ In VMC only.	
WBR606				
Area bounded by line joining successively the following points: 031000N 1095000E, 040249N 1105848E, 032000N 1113500E, 025700N 1100400E and 031000N 1095000E.	1 <u>2 000 FT AL</u> T SEA	RMAF Jet Training	Controlling Authority: Kuching ACC To operate above 12000 Ft (Alt) approval is subject to Air Traffic Control Clearance and real-time coordination.	
WBR607				
Area bounded by line joining successively the following coords: 025600N 1121300E, 030200N 1123500E, 025600N 1123200E, 024700N 1121200E, and 025600N 1121300E.	5 000 FT ALT 1500 FT ALT	Flying Academy Training Areas	Controlling Authority: Bintulu Tower. To be activated only when theres no schedule flights operating into/from Mukah aerodrome. All flights to / from training areas are subject to ATC Clearance.	

PROHIBITED, RESTRICTED AND DANGER AREAS KUALA LUMPUR FIR, KOTA KINABALU FIR AND SOUTH CHINA SEA CORRIDOR				
Identification, Name and	Upper Limits	Type of Destriction		
Lateral Limits	Lower Limits	Type of Restriction	Remarks	
1	2	3		
WBR608  Area bounded by line joining successively the following coords: 024500N 1112700E, 025500N 1115200E, 025300N 1115200E, 024300N 1112800E, and 024500N 1112700E.	5000 FT ALT 1500 FT ALT	Flying Academy Training Areas	Controlling Authority: Sibu Tower  All flights to / from training areas are subject to ATC Clearance.	
WBR609  Area bounded by line joining successively the following coords: 024800N 1111700E, 024800N 1112700E, 022700N 1112300E 022700N 1111700E and 024800N 1111700E	6000 FT ALT 1500 FT ALT	Flying Academy Training Areas	Controlling Authority: Sibu Tower.  All flights to / from training areas are subject to ATC Clearance.	
WBR610				
Area bounded by line joining successively the following coords: 022700N 1111100E, 022700N 1111600E, 021400N 1111100E and 022700N 1111100E.	6000 FT ALT 1500 FT ALT	Flying Academy Training Areas	Controlling Authority: Sibu Tower. All flights to / from training areas are subject to ATC Clearance.	
WBR611				
Area bounded by coordinates: 030600N 1124900E, 030000N 1125600E, 024500N 1124000E, 025400N 1123000E and 030600N 1124900E.	A025 Ground	Flight Training Area	Controlling Authority: Bintulu Tower.  All flights to / from training areas are subject to ATC Clearance.	



PROHIBITED, RESTRICTED AND DANGER AREAS KUALA LUMPUR FIR, KOTA KINABALU FIR AND SOUTH CHINA SEA CORRIDOR			
Identification, Name and Lateral Limits	Upper Limits  Lower Limits	- Type of Restriction	Remarks
1	2		3
	DANGE	R AREAS	
WMD8 CHINA SEA NORTH RANGE			
BTN LAT 013000N, 020000N, and LONG 1042000E, 1043500E.	FL 550 SEA	Naval Air / Air Firing range.	Activity: Notified by NOTAM at 72 hrs notice.
WMD12 - AREA JULIET			
BTN LAT 020000N, 023000N and LONG 1041700E 1043600E.	FL 550 SEA	Naval Anti-Aircraft Firing.	Activity: Notified by NOTAM at 72 hrs notice.
WMD21 - AREA GOLF			
BTN LAT 023000N ,030000N and LONG 1041700E, 1043600E.	2 000 FT ALT SEA	Naval Exercise Area	Activity: Notified by NOTAM at 72 hrs notice.
WMD105 - PENOR			
034159N 1032254E, 033859N 1032554E, 033559N 1032124E, 033859N 1031854E.	10 000 FT ALT GND / SEA	Air / Ground Firing and Bombing	Activity: Permanent.
WMD221 - ASAHAN			
023130N 1024130E, 023030N 1024130E, 022500N 1023530E, 022500N 1023100E, 023030N 1023100E, 023130N 1024130E.	1 <u>0 000 FT AL</u> T GND	Artillery Firing Range	Activity: Permanent.
WMD222 - ASAHAN			
Commencing from 023719.63N 1022641.96E, clockwise along an arc of a circle 10 NM radius centered on 022833.00N 1023146.00E to 021900.61N 1023438.10E, thence along a straight line to 022419.10N 1022841.24E, thence a straight line to 023719.63N 1022641.96E	1 <u>1 000 FT AL</u> T GND	Air to ground Firing/ Bombing	Activity: Notified by NOTAM.
WMD224 - MALAYSIAN NAVAL EXERCISE AREA.			
012500N 1025954E, 013000N 1025954E, 012700N 1030954E, 012200N 1030954E.	1 <u>2 000 FT AL</u> T SEA	Firing Range	Activity: Notified by NOTAM (48 hours notification) 2 exercises per month.
WMD227 - PULAU YU			
021900N 1041324E, 020000N 1041324E, 020000N 1041700E, 021900N 1041700E, 021900N 1041324E.	1 <u>0 000 FT AL</u> T SEA	Radar Bombing Range	Activity: Notified by NOTAM (72 hours notification) Area will be confirmed 'clear' by participitating aircraft prior to commencing life attacks.

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PROHIBITED, RESTRICTED AND DANGER AREAS KUALA LUMPUR FIR, KOTA KINABALU FIR AND SOUTH CHINA SEA CORRIDOR				
Identification, Name and	Upper Limits	Type of Restriction	Remarks	
Lateral Limits	Lower Limits	Type of Restriction	Remarks	
1	2		3	
WMD230 - ULU TIRAM (SOUTH)				
Area within 013720N 1035324E, 013840N 1035135E, 013704N 1034954E and 013530N 1035140E.	* <u>2 000 FT AL</u> T GND	Artillery Firing Range	Activity: Permanent.  *When activity necessitates	
WMD231 - ULU TIRAM (NORTH)			raising upper limit to 9 500 ft	
Area within 013815N 1034950E, 013927N 1035028E, 014238N 1034929E, 014239N 1034822E, 014133N 1034627E, 013840N 1034627E and 013858N 1034840E.			- notification by NOTAM (48hrs notice).	
WMD411 - BUTTERWORTH				
054259N 1001004E, 054259N 1001455E, 055659N 1000155E, 060159N 1000155E, 060359N 1000355E 060359N 1000855E and 055259N 1002055E.	FL 400 SEA	Air / Weapons Range . Bombing and air firing.	Activity: Permanent Hours of Operation: HJ.	
WMD412A - BUTTERWORTH				
054846N 0990000E, 054846N 0994912E, along the Butterworth TMA boundary, 051238N 0994700E, 050043N 0994700E, 050043N 0991140E, 051044N 0990000E and 054846N 0990000E.	FL 500 SEA	Air / Air Live Firing Range.	Controlling Authority: Butterworth Approach.  Activity: Notified by NOTAM at 48 HR notice.	
WMD413A			Controlling Authority:	
064824N 0980000E, 061320N 0993735E, 054846N 0994912E, along the Butterworth TMA boundary 045210N 1000643E, 041430N 1001619E, 043741N 0993817E, 060226N 0980000E, 064824N 0980000E.	UNL SEA  Except for airspace above WMKL CTR Lower Limit is 10,500 FT	Training (Supersonic ACFT ALT)	Butterworth Approach. Hours of Operation: 2330 - 1430 daily.  i. Aircraft on B466 between VBA and TOSOK, and on R467/N571 between VKL and VAMPI deviating north of track shall obtain clearance from Lumpur Control on 132.8 MHz or Butterworth Approach 125.8 MHz.  ii. Aircraft on P628 between VPL and GIVAL, deviating south of track shall obtain clearance from Lumpur Control on 132.8 MHz or Butterworth Approach 125.8 MHz.	

PROHIBITED, RESTRICTED AND DANGER AREAS KUALA LUMPUR FIR, KOTA KINABALU FIR AND SOUTH CHINA SEA CORRIDOR			
Identification, Name and Lateral Limits	Upper Limits		
	Lower Limits	Type of Restriction	Remarks
1	2		3
WMD414 - SONG SONG			
054907N 1001700E, 054918N 1001815E, 054809N 1001940E, 054651N 1002105E, 054539N 1001920E, 054524N 1001727E, 054704N 1001705E and 054907N 1001700E.	UNL GND / SEA	Air / Ground Firing.	Activity: Periodically. Release of photo flashes and flares. Max HGT 3000 ft. Mon to Fri: Dawn - 1630.
WMD419			
Commencing from 055800N 1010659E a straight line to 055800N 1005700E, 054530N 1004820E, 053750N 1005100E, 052600N 1010730E, 052700N 1011240E, 053040N 1012030E, 053910N 1015254E thence clockwise along an arc 40 NM centred from VKB VOR/DME to 054450N 1014729E thence along Malaysia/Thai border to 055800N 1010659E.	1 <u>0 000 FT AL</u> T GND	Artillery And Mortar Shells Firing.	Activity: Notify by NOTAM
WSD11 - PASIR LABA			
012550N 1034024E, 012333N 1033904E, 012303N 1033909E, 012058N 1033759E, 011933N 1034009E, 012142N 1034104E 012245N 1034104E and 012440N 1034124E (General Area).	1 300 FT ALT GND	Small Arm Firing.	Activity: Permanent.
WSD13 - AREA KILO			
BTN LAT 020000N, 023000N and LONG 1043600E 1045500E.	FL 550 SEA	Naval Anti-Aircraft Firing.	Activity: Notified by NOTAM at 72 hrs notice.
WSD14 - AREA LIMA			
BTN LAT 013000N 020000N and LONG 1043600E 1045500E.	FL550 SEA	Naval Anti-Aircraft Firing and Live Air to Air Frng.	Activity: Notified by NOTAM at 72 hrs notice.
WSD15 - AREA MIKE	1		
BTN LAT 013000N 020000N and LONG 1045500E 1053000E.	FL550 SEA	Naval Carrier Opr Area	Activity: Notified by NOTAM at 72 hrs notice.
WSD20 - AREA HOTEL			
BTN LAT 023000N, 030000N and LONG 1043600E 1045500E.	2 000 FT ALT SEA	Naval Exercise Area.	Activity: Notified by NOTAM at 72 hrs notice.
WSD 44			
BTN LAT 020000N, 023000N and LONG 1045500E ,1051230E.	FL 550 SEA	Naval Exercise Area	Activity: Notified by NOTAM at 72 hrs notice.

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PROHIBITED, RESTRICTED AND DANGER AREAS KUALA LUMPUR FIR, KOTA KINABALU FIR AND SOUTH CHINA SEA CORRIDOR					
Identification, Name and Lateral Limits	Upper Limits	Type of Restriction	Remarks		
	Lower Limits				
1	2	3			
WSD45 BTN LAT 020000N, 023000N and LONG 1051230E, 1053000E.	FL 550 SEA	Naval Exercise Area	Activity: Notified by NOTAM at 72 hrs notice.		
WBD505 - BALAMBANGAN					
12 NM radius centred on 071826N 1165922E.	FL 150 GND	Live Air Firing/Bombing	Hours of Operation: 2230 - 1530. Activity: Notified by NOTAM		
LINK ROUTE ECHO 1 TRANSITING CORRIDOR FOR WBD 505					
Bounded by straight lines as follows: 074858N 1160248E, 072958N 1165717E, 073858N 1160248E and 072356N 1164904E.	1 <u>2 000 FT AL</u> T SEA	Live Air Firing/Bombing	Link Route ECHO 1 and ECHO 2 will be active whenever WBD 505 is activated.		
LINK ROUTE ECHO 2 TRANSITING CORRIDOR FOR WBD 505					
Bounded by straight lines as follows: 071058N 1160248E, 071458N 1164747E 070258N 1160218E and 070556N 1165710E.	1 <u>2 000 FT AL</u> T SEA	Live Air Firing/Bombing	Link Route ECHO 1 and ECHO 2 will be active whenever WBD 505 is activated.		
WBD507					
Police Training Centre. Circle of 440 m radius centred on 045644N 1145814E.	1 000 FT ALT GND	Pistol And Small Arms Firing.	Controlling Authority: DCA Brunei. Activity: 0001 - 0900 daily.		
WBD508					
Circle of 220 m radius centred on 044242N 1150455E.	500 FT ALT GND	Small Arms Firing.	Activity : Permanent.		
WBD509 - BINTURAN RANGE					
Area bounded by line joining successively by the following points: 045449N 1144704E, 045417N 1144740E, 045041N 1144602E, 045000N 1144351E, 045311N 1144032E, 045603N 1144511E and 045452N 1144654E.	1 000 FT ALT GND	Live Firing	Activity: Permanent. When activity necessitates raising upper tlimit to 20 000 ft - notification by NOTAM.		



PROHIBITED, RESTRICTED AND DANGER AREAS KUALA LUMPUR FIR, KOTA KINABALU FIR AND SOUTH CHINA SEA CORRIDOR					
Identification, Name and	Upper Limits	T (D d. d. d. d.	Remarks		
Lateral Limits	Lower Limits	Type of Restriction			
1	2	3			
WBD509A - BUKIT AGOK FIRING COMPLEX					
Area bounded by lines joining the following points: 045407N 1144730E, 045157N 1144230E, 045807N 1153810E, 050432N 1144700E, 045842N 1145055E and back to start 045410N 1144720E.	1 <u>0 000 FT AL</u> T GND	Live Firing Shell-duck Flying	Activity: Notification by NOTAM		
WBD510 - LUMUT RANGE					
Area bounded by line joining successively by the following points: 043857N 1142710E, 043952N 1143610E, 043652N 1143010E, 043652N 1142620E and 043900N 1142700E.	1 000 FT ALT GND	Firing Range.	Activity : Permanent.		
WBD511 - BERAKAS RANGE					
Area bounded by line joining successively by the following points: 050033N 1145731E, 050104N 1145911E, 050021N 1145917E, 050025N 1145904E, 050009N 1145747E, 050018N 1145731E and 050036N 1145721E.	1000 FT ALT GND	Small Arms Firing	Activity :Permanent.		
WBD512 - BERAKAS RANGE					
Area bounded by line joining successively by the following points: 050018N 1145731E, 050009N 1145747E, 050025N 1145904E, 045950N 1145834E, 045944N 1145731E and 050021N 1145721E.	a) 750 FT ALT GND  b) 1 250 FT ALT GND	Small Arms Firing	a) Activity: Permanent. b) Activity: 2300 - 1100 ( will be notified by NOTAM)		
WBD513 - TUTONG RANGE					
Area bounded by line joining successively by the following points: 044727N 1143710E, 044727N 1143840E, 044627N 1143710E, 044627N 1143710E, 044627N 1143700E.	500 FT ALT GND	Small Arms Firing	Activity : Permanent.		
WBD514					
Circle of 200 m radius centred on 043207N 1150850E.	500 FT ALT GND	Small Arms Firing	Activity : Permanent.		

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PROHIBITED, RESTRICTED AND DANGER AREAS KUALA LUMPUR FIR, KOTA KINABALU FIR AND SOUTH CHINA SEA CORRIDOR					
Identification, Name and Lateral Limits	Upper Limits	Type of Pactriction	Remarks		
	Lower Limits	Type of Restriction			
1	2	3			
WBD515  Area bounded by line joining successively by the following points: 043545N 1141807E, 043612N 1141922E, 043447N 1141957E, 043437N 1141842E and 043545N 1141807E.	500 FT ALT GND	Small Arms Firing	Activity : Permanent.		
WBD516 - KOTA BELUD 061959N 1162948E, 062459N 1163448E 061959N 1163448E and 062459N 1162948E.	1 <u>0 000 FT AL</u> T GND	Artillery/Mortar Range	Activity: Will be notified by NOTAM.		
WBD521  Area within 064200N 1141700E, 062000N 1144700E, 070000N 1151800E, 074400N 1153600E AND 064200N 1141700E.	FL400 Sea Level	Surface to Air Missiles Naval Firing / Aircraft training	Activity: Notify by NOTAM at 7 days notice		

