

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 either temporarily or permanently, are classified according to three types of areas as defined by ICAO.
- 1.2 Each area is described in the tabulation found in pages ENR 5.1-3 to 5.1-6 which indicates its lateral and vertical limits, the type of restriction or hazard involved, the times at which it applies and other pertinent information.

2. DANGER AREA

- 2.1 An airspace of defined dimensions within which activities dangerous to the flight of 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 their 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 civil aircraft within the designated airspace is not permitted at any time under any circumstances.

4. RESTRICTED AREA

- 4.1 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 civil aircraft within the designated airspace is not absolutely prohibited but may be made only if specified conditions are complied with. Thus, prohibition of flight except at certain meteorological conditions. Similarly, prohibition of flight unless special permission had been obtained, leads to the designation of restricted area. However, conditions of flight imposed as a result of application of rules of the air or air traffic service practice 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. DESIGNATION OF AREA

- 5.1. Each area is numbered and single series of numbers is used for all areas, regardless of type, to ensure that a number is never duplicated.
- 5.2 The type of area involved is indicated by the letter "P" for Prohibited, "R" for Restricted and "D" for Danger, preceded by the Nationality letters "WS". For example, areas are assigned numbers and letters in the following manner - WSD1, WSR2, WSP3, WSD4 etc.

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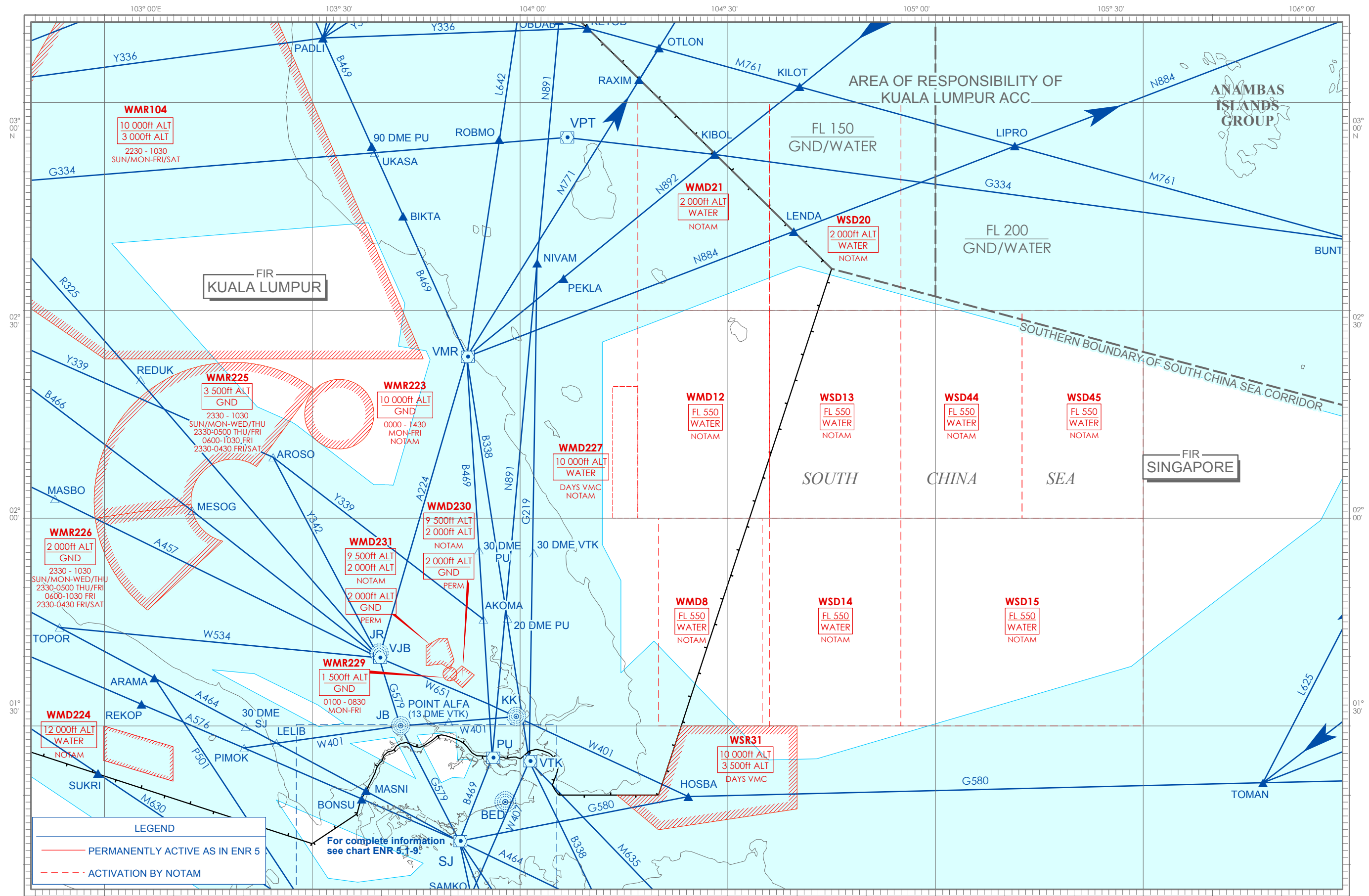
ENR 5.1 PROHIBITED, RESTRICTED AND DANGER AREAS		
<i>Identification, Name and Lateral Limits</i>	<i>Upper Limit Lower Limit</i>	<i>Remarks (time of activity, type of restriction, nature of hazard, risk of interception)</i>
1	2	3
PROHIBITED AREAS		
WSP3 A circle, 0.8NM radius centred at 012136N 1034746E	<u>750ft</u> GND	Active: Permanent. Under no circumstances shall a forced landing be permitted within the area. Rotary wing aircraft shall avoid overflying the area.
WSP24 Area within two circles, 150m radius, centred at Mt. Faber (011615N 1034909E) and Sentosa Island (011519N 1034858E) and the tangential lines joining these circles.	<u>800ft ALT</u> GND/WATER	Active: Permanent.
WSP36 A circle, 231.5m radius, centred at 012430N 1035324E	<u>1 000ft ALT</u> GND	Active: Permanent.
WSP49 012025N 1034236E 012028N 1034239E 012027N 1034249E 012018N 1034249E 012018N 1034236E.	<u>300ft ALT</u> GND	Active: Permanent.
WMP228 Bukit Serene Area within 2NM centred at 012845N 1034334E with the southern border of the Prohibited Area coinciding with the coastline of South Johor.	<u>5 000ft ALT</u> GND	Sultan's Palace. Active: Permanent. (refer to AIP Malaysia)
RESTRICTED AREAS		
WSR2 Tengah Corridor Area within two circles, 2NM radius, centred at Tengah and 4NM radius, centred at 011000N 1033324E and the tangents joining these circles but excluding WSD11 (Pasir Laba Range) when notified as active.	<u>FL 300</u> 3 000ft MSL	Jet Let-Down Sector. Active: BTN 2300-1100 SUN-MON to THU-FRI and BTN 2300-0500 FRI-SAT. Controlling Authority : Tengah APP on 130.0 or 263.4 MHz DRG AD OPR HR and SATCC (RSAF element) on 123.4 MHz and 288.2MHz after AD OPR HR.
WSR31 012000N 1041400E 012000N 1042000E 013000N 1042300E 013000N 1044000E 011800N 1044000E 011500N 1042000E.	<u>10 000ft ALT</u> 3 500ft MSL	Training Area. Active daily during daylight hours in VMC only when radar unit in operations.
WSR38 A circle, 1NM radius centred at 011807N 1035031E	<u>10 000ft ALT</u> GND	Istana. Active: Permanent. All FLT BTN SJ/JP on AWY G579 are to avoid at all times the area which overlaps the eastern edge of G579 .
WMR104 032859N 1030254E 023959N 1023454E 022300N 1025954E 022300N 1034554E 032059N 1032054E 031859N 1031554E 032559N 1031254E 032859N 1030254E.	<u>10 000ft ALT</u> 3 000ft ALT	Training. Active: 2230-1030 SUN-MON to FRI-SAT (refer to AIP Malaysia)

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RESTRICTED AREAS		
WMR223 Kangar Kahang A circle, 5NM radius, centred at 021500N 1033354E	<u>10 000ft ALT</u> GND	Parachute Dropping. Active: by NOTAM. Controlling Authority: Kluang Tower 128.3MHz / 122.4MHz. (refer to AIP Malaysia)
WMR225 North-Kluang An arc of a circle, radius 20NM, centred at 020230N 1031824E (Kluang Ctl Twr) fm 020000N 1025839E to 021830N 1032954E; then an arc of a circle, radius 6NM, 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.	<u>3 500ft ALT</u> GND	Army Airwing Helicopter Training Area Active: 2330-1030 SUN-MON TO WED-THU; 2330-0500 THU-FRI; 0600-1030 FRI; and 2330-0430 FRI-SAT; SUN and PH closed. Controlling Authority: Kluang Tower 128.3MHz and 122.4MHz
WMR226 West-Kluang An arc of a circle, radius 20NM, centred at 020230N 1031824E (Kluang Ctl Twr) fm 020000N 1025839E to 014630N 1030554E; then an arc of a circle, radius 6NM, centred at 020230N 1031824E (Kluang Ctl Twr) fm 020200N 1031224E to 015650N 1031709E.	<u>2 000ft ALT</u> GND	PPR for all non-Malaysian Army aircraft. During hours of operations, request through Kluang Army Airwing Operations (48 hours prior notice). No refuelling for civil aircraft. (refer to AIP Malaysia)
WMR229 A circle, 1NM radius, centred at 013730N 1034952E.	<u>1 500ft ALT</u> GND	Helicopter Operations. Active: 0100-0830 MON-FRI. Visiting military aircraft are required to give advance notice of movements to Jungle Warfare School. (refer to AIP Malaysia)
DANGER AREAS		
WSD4 Southern Islands Live Firing Range An arc, 3.5NM radius, centred at 011230N 1034354E with eastern extremity at 011230N 1034724E and western extremity at 011459N 1034125E.	<u>FL 160</u> GND/WATER	Air to GND and GND to GND Firing Range. Active: 2300-1100 SUN-MON to FRI-SAT except PH. Activity outside these hours will be notified by NOTAM.
WSD5 Mandai Camp A circle, radius 175M, centred at 012403N 1034646E.	<u>500ft ALT</u> GND	Rifle Range. Active: Permanent

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DANGER AREAS		
WSD11 Pasir Laba 012550N 1034024E 012333N 1033904E 012303N 1033909E 012058N 1033759E 011933N 1034009E 012142N 1034104E 012245N 1034104E 012440N 1034124E (General Area).	<u>1 300ft ALT</u> GND	Small Arm Firing Active: Permanent.
WSD11A Pasir Laba 012550N 1034024E 012333N 1033904E 012303N 1033909E 012240N 1034016E 012245N 1034104E 012440N 1034124E (Northern Area within the General Area).	<u>FL 125</u> GND	Artillery Firing At least 7 days advance notice by NOTAM.
WSD11B Pasir Laba 012303N 1033909E 012240N 1034016E 012245N 1034104E 012142N 1034104E 011933N 1034009E 012058N 1033759E (Southern Area within the General Area).	<u>FL 125</u> GND	Artillery Firing At least 7 days advance notice by NOTAM.
WSD13 Area Kilo BTN LAT 020000N 023000N and LONG 1043600E 1045500E.	<u>FL 550</u> WATER	Naval Anti-Aircraft Firing 72 HR notice by NOTAM.
WSD14 Area Lima BTN LAT 013000N 020000N and LONG 1043600E 1045500E.	<u>FL 550</u> WATER	Naval Anti-Aircraft Firing and Live Air to Air Firing. 72 HR notice by NOTAM.
WSD15 Area Mike BTN LAT 013000N 020000N and LONG 1045500E 1053000E.	<u>FL 550</u> WATER	Naval Carrier Operation Area 72 HR notice by NOTAM.
WSD20 Area Hotel BTN LAT 023000N 030000N and LONG 1043600E 1045500E.	<u>2 000ft ALT</u> WATER	Naval Exercise Area 72 HR notice by NOTAM.
WSD34 Pulau Tekong 012409N 1040208E 012419N 1040332E 012349N 1040240E 012351N 1040200E.	<u>500ft ALT</u> GND	Rifle Range Active: Permanent

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DANGER AREAS		
WSD35 Nee Soon A circle, 1NM radius, centred at 012310N 1034809E.	<u>900ft ALT</u> GND	Rifle Range. Active: Permanent
WSD44 BTN LAT 020000N 023000N and LONG 1045500E 1051230E	<u>FL 550</u> WATER	Naval Exercise Area Active: 72hr prior notice by NOTAM
WSD45 BTN LAT 020000N 023000N and LONG 1051230E 1053000E.	<u>FL 550</u> WATER	Naval Exercise Area Active: 72hr prior notice by NOTAM
WMD8 China Sea North Range BTN LAT 013000N 020000N and LONG 1042000E 1043500E.	<u>FL 550</u> WATER	Naval Air to Air Firing Range Active: 72hr prior notice by NOTAM
WMD12 Area Juliet BTN LAT 020000N 023000N and LONG 1041700E 1043600E.	<u>FL 550</u> WATER	Naval Anti-Aircraft Firing Range Active: 72hr prior notice by NOTAM
WMD21 Area Golf BTN LAT 023000N 030000N and LONG 1043600E 1041700E.	<u>2 000ft ALT</u> WATER	Naval Exercise Area Active: 72hr prior notice by NOTAM
WMD224 Malaysian Naval Exercise Area 012500N 1025954E 013000N 1025954E 012700N 1030954E 012200N 1030954E	<u>12 000ft ALT</u> SEA	Firing Range. Active: 48hr prior notice by NOTAM. 2 exercises per month.
WMD227 Pulau Yu 021900N 1041324E 020000N 1041324E 020000N 1041700E 021900N 1041700E 021900N 1041324E	<u>10 000ft ALT</u> SEA	Radar Bombing Range Active: 72hr prior notice by NOTAM. Area will be confirmed 'clear' by participating aircraft prior to commencing live attacks. (refer to AIP Malaysia)
WMD230 Ulu Tiram (South) 013720N 1035324E 013840N 1035135E 013704N 1034954E 013530N 1035140E.	<u>2 000ft ALT #</u> GND	Artillery Firing Range. Active: PERM # # When activity necessitates raising upper limit to 9,500ft ALT, 48hr prior notice will be given by NOTAM. (refer to AIP Malaysia)
WMD231 Ulu Tiram (North) 013815N 1034950E 013927N 1035028E 014238N 1034929E 014239N 1034822E 014133N 1034627E 013840N 1034627E 013858N 1034840E.	<u>2 000ft ALT *</u> GND	Artillery Firing Range. Active: PERM * * When activity necessitates raising upper limit to 9,500ft ALT, 48hr prior notice will be given by NOTAM. (refer to AIP Malaysia)

PROHIBITED, RESTRICTED AND DANGER AREAS - CHART 1

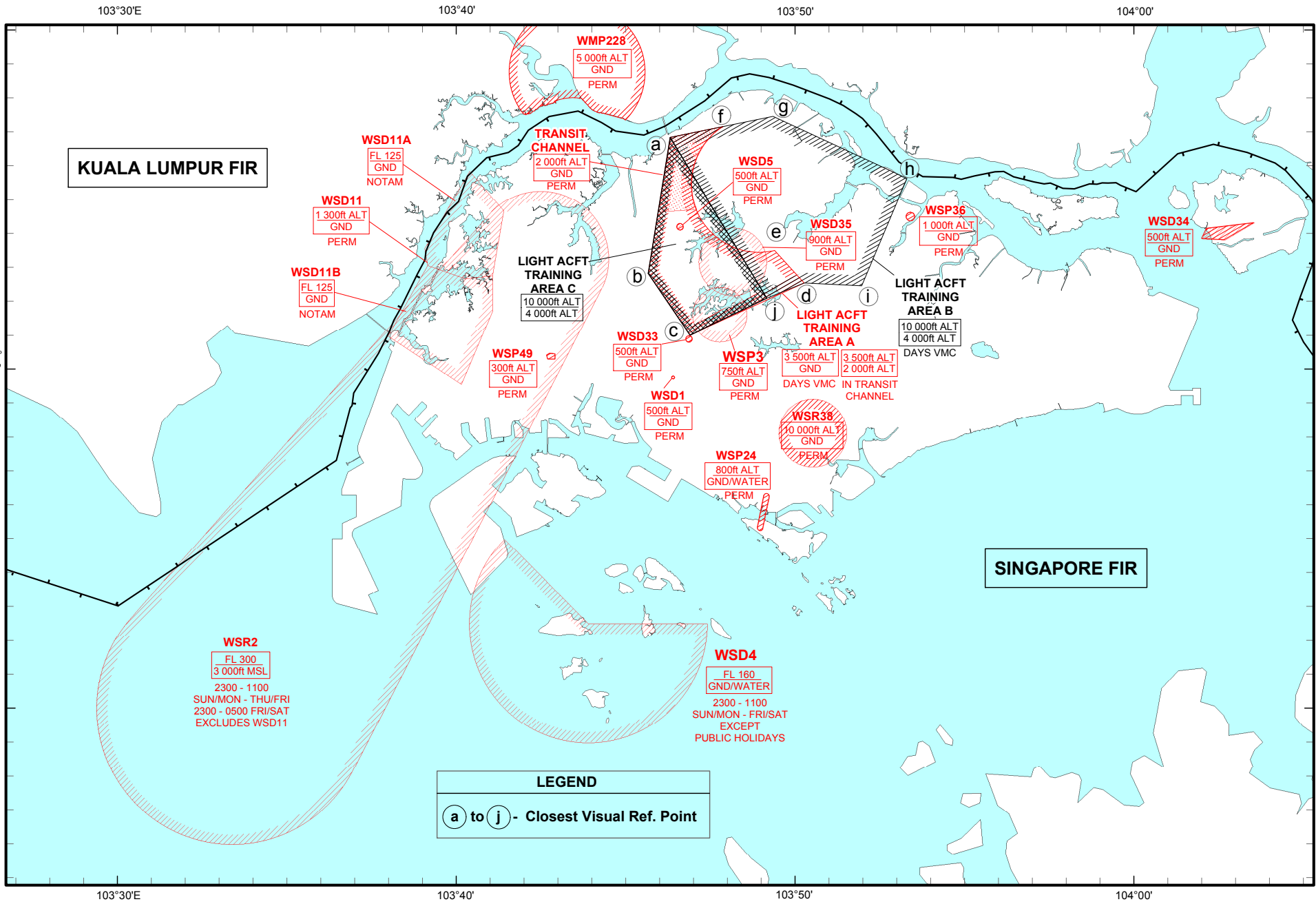


PROHIBITED, RESTRICTED AND DANGER AREAS - CHART 2

CIVIL AVIATION AUTHORITY SINGAPORE

CHANGES : Light Aircraft Training Area C established.

AIP AMDT 2/10



103°30'E

103°40'

103°50'

104°00'

01° 20' N

01° 10' N

01° 20' N

01° 10' N

103°30'E

103°40'

103°50'

104°00'

