WORLD AERONAUTICAL CHART
ICAO 1 : 1,000,000

(2859) PENANG ISLAND

HYPSOMETRIC TINTS

Feet	Metres
over 5000	over 1524
4000	1219
3000	914
2000	610
1000	305
500	152
SEA LEVEL	

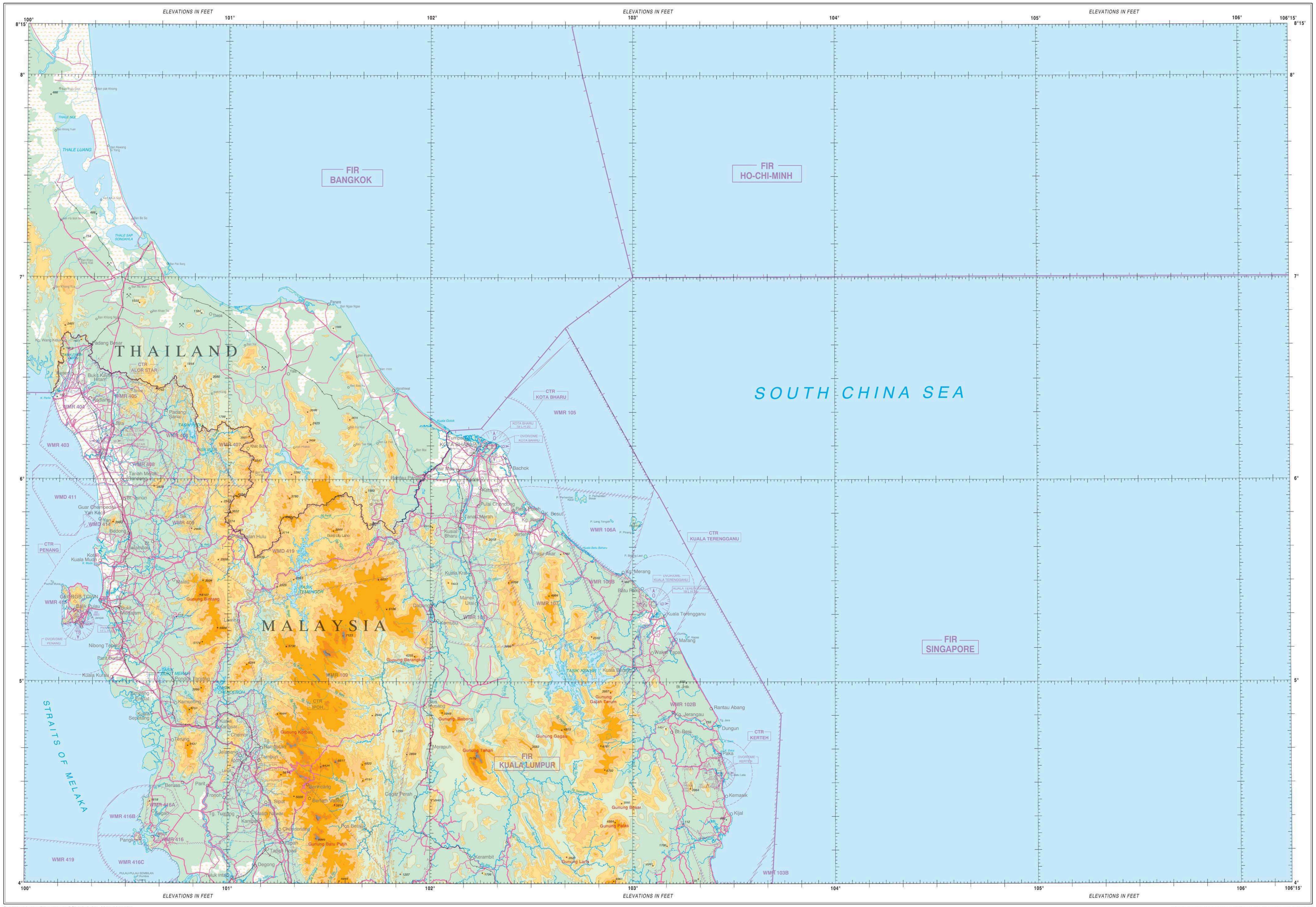
CONVERSION TABLE

Feet	Metres
20,000	6,096 / 6,000
18,000	5,000
16,000	
14,000	4,000
12,000	
10,000	3,000
8,000	
6,000	2,000
4,000	1,000
2,000	
500	152

Feet	Metres
150	45.7 / 45
140	
130	40
120	35
110	
100	30
90	
80	25
70	
60	20
50	15
40	
30	10
20	5
10	3

PROJECTION

Lambert Conformal Conic Projection
Standard Parallels 07° 20' and 04° 40'
Spheroid - World Geodetic System 1984 (WGS84)



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No. Kerja 34 - 2007

KILOMETRES 10 5 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240

NAUTICAL MILES 10 5 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140

Contours basic interval 1000 feet. Intermediate contours shown at 500 feet.

CAUTION
Consult respective NOTAMs and AIPs of States concerned for the latest aeronautical information
AND
Department of Civil Aviation, Malaysia does not accept responsibility for any errors or omissions in the information shown outside of Malaysia Territory

MAGNETIC INFORMATION FOR THE YEAR 2007

Aeronautical Information: Jan 2007

NOTE: THIS MAP IS NOT AN AUTHORITY ON BOUNDARIES

- Primary road
- Secondary road
- Expressway
- Railway
- Spot Elevation Accurate, Approximate (586, 586)
- Highest Known Elevation (7123)
- Boundary, International
- Contour (1000)

- City or Large Town
- Town, Village
- Small River, Large River
- Lake, Dam
- Pipeline
- Swamp, Rice Field
- Coral Reef, Mine
- Sand, Rock awash

AERONAUTICAL INFORMATION

AERODROMES
- Major
- Civil Land
- Military Land
- Joint Civil and Military
- Aerodromes with no facilities

VERTICAL OBSTRUCTIONS
- Obstacle 3/0 (330)
- Lighted Obstacle 6/4 (800)
- Lighted group obstacle 9/3 (780)
- 9/3 Elevation of top above mean sea level (AMSL)
- (780) Height of top above ground level (AGL)

All reported vertical obstructions cannot be portrayed due to chart scale. Obstructions shown are at least 200 feet AGL in and around major populated places the pattern is further reduced to enhance clarity.

CAUTION
Vertical obstructions have been extracted from the most reliable sources available. However, there is no assurance that all are shown or that their locations or heights are exact.

RADIO NAVIGATION AIDS
- NDB (NDB PEKAN)
- VOR/DME (DVOR/DME ALOR STAR)
- VOR/TAC (VOR/TACAN KUANTAN)

VISUAL AIDS
Marine Light
Fl, GP Fl, Fashing, Group Flashing

Marine lights are white unless colours are stated

MISCELLANEOUS
- Transmission line
- Isogonic line (3°E)
- Prohibited, Restricted or Danger area.

GLOSSARY

Gunung, G.	mountain
Kampung, Kg.	village
Pulau, P.	island
Selat	strait
Sungai, Sg.	river, stream
Tanjung, Tg.	point, cape
Tasik	lake
Teluk, Tk.	bay

Compiled by the mapping unit from the following sources:

(a) 1:50,000 Topographic Map published by the Director of National Mapping, Malaysia
(b) ONC K-9, Edition 8 and ONC L-10, Edition 7GSGS
(c) Magnetic Information for the year 2007, as supplied by the National Oceanic & Atmospheric Administration (NOAA)
(d) Aeronautical information as supplied by the Department of Civil Aviation, Malaysia

INDEX TO ADJOINING SHEETS

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