GEN 2 TABLES AND CODES

GEN 2.1 MEASURING SYSTEM, AIRCRAFT MARKINGS, HOLIDAYS

1. UNITS OF MEASUREMENT

1.1 The table of units of measurement shown below will be used by aeronautical stations within Kuala Lumpur and Kota Kinabalu FIRs for air and ground operations.

For Measurement of	Units used
Distance used in navigation, position reporting, etc. - generally in excess of 2 to 3 nautical miles	Nautical Miles and Tenths
Relatively short distances such as those relating to aerodromes (e.g. runway lengths)	Metres
Altitudes, elevations and heights	Feet
Horizontal speed including wind speed	Knots
Vertical speed	Feet per minute
Wind direction for landing and taking-off	Degrees Magnetic
Wind direction except for landing and taking-off	Degrees True
Visibility including runway visual range	Kilometres or Metres
Altimeter setting	Hectopascal
Temperature	Degrees Celsius (Centigrade)
Weight	Metric tonnes or Kilograms
Time	Hours and Minutes, the day of 24 hours beginning at midnight UTC

1.2 The prefixes and symbols listed in table shown below shall be used to form names and symbols of the decimal multiples and sub-multiples of SI units

Table : SI unit prefixes

Multiplication Factor	Prefix	Symbol
1000 000 000 000 000 000 = 10^{18}	exa	E
1 000 000 000 000 000 = 10^{15}	peta	P
1 000 000 000 000 = 10^{12}	tera	T
1 000 000 000 = 10^{9}	giga	G
1 000 000 = 10^{6}	mega	M
1 000 =10^{3}	kilo	k
100 = 10^{2}	hecto	h
10 = 10^{1}	deca	da
0.1 = 10^{-1}	deci	d
0.01 = 10^{-2}	centi	c
0.001 = 10^{-3}	milli	m
0.000 001 = 10^{-6}	micro	µ
0.000 000 001 = 10^{-9}	nano	n
0.000 000 000 001 = 10^{-12}	pico	p
0.000 000 000 000 001 = 10^{-15}	femto	f
0.000 000 000 000 000 001 = 10^{-18}	atto	a

2. TIME SYSTEM

2.1 Coordinated Universal Time (UTC) is used in air traffic and communications services and in documents published by Aeronautical Information Service. Local time is 8 hours ahead of UTC in Malaysia.

2.2 In reporting time, the nearest full minute is used. Time checks to aircraft are accurate to within 30 seconds.

3. GEODETIC REFERENCE DATUM

3.1 The published geographical coordinates in the Kuala Lumpur Fir and Kota Kinabalu Fir indicating latitude and longitude are expressed in terms of the World Geodetic System - 1984 (WGS-84) geodetic reference datum.

4. AIRCRAFT NATIONALITY AND REGISTRATION MARKS

4.1 The nationality mark for aircraft registered in Malaysia is the figure 9 followed by the letter M. The nationality mark is followed by a hyphen and a registration mark consisting of three letters.

Example: 9M-MAS.

5. PUBLIC HOLIDAYS

5.1 The following is a list of national public holidays in Malaysia for 2013.

DATE	PUBLIC HOLIDAY
25 December 2012	Christmas Day
1 January	New Year's Day
24 January	Prophet Muhammad’s Birthday
10 & 11 February	Chinese New Year
1 May	Labour Day
24 May	Wesak Day
1 June	King’s Birthday
8 & 9 August	Eid Al-Fitri
31 August	National Day
16 September	Malaysia Day
15 October	Eid Al-Adha
3 November	Deepavali Day
5 November	Hijri New Year’s Day
25 December	Christmas Day

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