

## GEN 2. TABLES AND CODES

### GEN 2.1 MEASURING SYSTEM, AIRCRAFT MARKINGS, HOLIDAYS

#### 2.1.1. Units of measurement

The table of units of measurement shown below will be used by aeronautical stations within KATHMANDU FIR for air and ground operations.

For measurement of	Units used
Distance used in navigation, position reporting, etc. – generally in excess of 2 nautical miles	Nautical miles and tenths (NM)
Relatively short distances such as those relating to aerodromes (e.g. runway lengths)	Meters (m)
Altitudes, elevations and heights	Feet (ft)
Speed	Knots (kt)
Wind direction for landing and taking off	Degrees magnetic ( <sup>o</sup> )
Wind direction except for landing and taking off	Degrees true ( <sup>o</sup> )
Visibility	Kilometers (km)
Altimeter setting	Hectopascal (hPa)
Temperature	Degree Celsius ( <sup>o</sup> C)
Weight	Metric tones or kilograms
Time	Hours and minutes, beginning at midnight UTC
Endurance	H and min
RVR	Meter (m)
Tank (A/C)	Liter (L)
Humidity (absolute)	Gram/Kilogram (g/kg)

#### 2.1.2 Temporal reference system

##### *General*

Co-ordinated Universal Time (UTC) and the Gregorian calendar are used by air navigation services and in publications issued by the Aeronautical Information Service. Reporting of time is expressed to the nearest minute, e.g. 12:40:35 is reported as 1241. Local time is 5 hours and 45 minutes ahead of UTC. Time checks to aircraft are accurate to within 30 seconds.

### 2.1.3. Horizontal reference system

#### 1. *Name / designation of system*

All published geographical coordinates indicating latitude and longitude are expressed in terms of the World Geodetic System—1984 (WGS-84) geodetic reference datum.

#### 2. *Projection*

Projection is expressed in term as Universal Transverse Mercator (UTM).

#### 3. *Ellipsoid*

Ellipsoid is expressed in terms of the World Geodetic System—(WGS-84) ellipsoid.

#### 4. *Datum*

The World Geodetic System—(WGS-84) is used.

#### 5. *Area of application*

The area of application for the published geographical coordinates coincides with the area of responsibility of the Aeronautical Information Service, i.e. the entire territory of Nepal.

#### 6. *Use of an asterisk to identify published geographical coordinates*

An asterisk (\*) will be used to identify those published geographical coordinates which have been transformed into WGS-84 co-ordinates, but whose accuracy of original field work does not meet the accuracy requirements in Annex 11, Chapter 2 and Annex 14, volumes I and II, chapter 2.

### 2.1.4. Vertical reference system

#### 1. *Name/designation of system*

The vertical reference system corresponds to mean sea level (MSL).

#### 2. *Geoid model*

The geoid model used is the Earth Gravitational model 1996 - (EGM - 96)

### 2.1.5. Aircraft nationality and registration Marks

The nationality mark for aircraft registered in Nepal is the figure 9, followed by the letter N i.e. 9N. The national mark is followed by a hyphen and a registration mark consisting of 3 letters, e.g. 9N - ABA.

**2.1.6 Public holidays 2022/2023**

S.N	Name of the Holiday	Date	Remark
1.	New Year Nepalese	14 Apr 2022	
2.	May Day	1 May	
3.	Buddha Jayanti	16 May	
4.	Ganatantra Diwas	29 May	
5.	Janai Purnima/ Gai Jatra	12 Aug	
6.	Krishna Janmaastami	19 Aug	
7.	Teej Festival	30 Aug	Only for Woman
8.	Indra Jatra	9 Sep	Only for Kathmandu Valley
9.	Jitiya Parbha	18 Sep	Only for concerned
10.	Constitution Day	19 Sept	
11.	Ghatasthapana	26 Sep	
12.	Dashain Festival	2 Oct - 7 Oct	
13.	Tihar Festival	24 Oct - 27 Oct	
14.	Chhat Parba	30 Oct	
15.	Guru Nanak Jayanti	8 Nov	Only for concerned
16.	Falgunnanda Jayanti	11 Nov	Only for concerned
17.	Udhauli Parba	8 Dec	
18.	Christmas Day	25 Dec	
19.	Tamu Losar	30 Dec	
20.	Maghe Sankranti	15 Jan 2023	
21.	Sonam Losar	22 Jan	
22.	Nepal Democracy Day	19 Feb	
23.	Galpo Loshar	21 Feb	
24.	Fagu Poornima	6 Mar	Only for Hilly Region
25.	Fagu Poornima	7 Mar	Only for Terai Region
26.	International Woman Day	8 Mar	
27.	Ghode Jatra	21 Mar	Only for Kathmandu Valley

**Note:-**

1. Every Saturday is Holiday.
2. Every year on 31<sup>st</sup> December is Holiday for CAAN Staffs due to CAAN Day.
3. Days of above listed holidays may vary every year and list of holidays applicable for each calendar year will be published as an AIP Amendment in April every year.