

**GEN 2 TABLES AND CODES****GEN 2.1 MEASURING SYSTEM, AIRCRAFT MARKINGS AND HOLIDAYS****1. UNITS OF MEASUREMENT**

The table below shows the important units of measurements used in the Republic of Kazakhstan in air and ground operations.

For measurement of	Units used
Distances used in navigation, position reporting, on charts, etc.	Nautical miles (NM), kilometres (km)
Short distances such as those relating to aerodromes (e.g. runway length)	Metres (m)
Visibility including runway visual range	Metres or kilometres (m, km)
Altitudes, elevations and heights	Metres (m), feet (ft)
Horizontal speed	Kilometres per hour (km/h), knots (kt)
Wind speed	Metres per second (m/s)
Vertical speed	Feet per minute (ft/min)
Wind direction for landing and taking off	Degrees magnetic
Wind direction except for landing and taking off	Degrees true
Altimeter setting	Hectopascals (hPa), millimetres of mercury or millibars
Temperature	Degrees Celsius (°C)
Weight	Metric tonnes or kilograms (t, kg)
Time	Hours, minutes and seconds (h,m,s)

**2. TEMPORAL REFERENCE SYSTEM**

Co-ordinated Universal Time (UTC) and the Gregorian calendar are used by air navigation services and in aeronautical information products. The beginning of the day is designated as 0000 and 2359 for the end of the day. Reporting of time is expressed to the nearest minute, e.g. 12:40:35 is reported as 1241. A single time zone UTC+5 established across the entire territory of the Republic of Kazakhstan as shown in the figure below:



### 3. HORIZONTAL REFERENCE SYSTEM

#### Name/designation of the reference system

Published geographical coordinates indicating latitude and longitude are expressed in terms of the World Geodetic System — 1984 (WGS-84).

#### Identification and parameters of the projection

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

#### Identification of the ellipsoid used

Ellipsoid is expressed in terms of the World Geodetic System — 1984 (WGS-84) ellipsoid.

#### Datum

The World Geodetic System — 1984 (WGS-84) is used.

#### Area of application

The area of application for the published geographical coordinates coincides with the area of responsibility of the Aeronautical Information Management Department, i.e. the entire territory of the Republic of Kazakhstan as well as the airspace over the high seas encompassed in accordance with the regional air navigation agreements.

#### Use of an asterisk to identify published geographical coordinates

Not applicable.

### 4. VERTICAL REFERENCE SYSTEM

#### Name/designation of system

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

#### Geoid model

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

#### Use of asterisk to identify published elevations/geoid undulations

Not applicable.

### 5. AIRCRAFT NATIONALITY AND REGISTRATION MARKS

The nationality mark for aircraft registered in the Republic of Kazakhstan is the prefix UP. The nationality mark is followed by a hyphen and an aircraft registration number.

### 6. PUBLIC HOLIDAYS

Name	Date/Day
New Year's Day	1,2 January
International Women's Day	8 March
Nauryz Holiday	21,22,23 March
Kazakhstan People Solidarity Day	1 May
Fatherland Defender's Day	7 May
Victory Day	9 May
Capital day	6 July
Constitution Day	30 August
Republic Day	25 October
Kazakhstan Independence Day	16 December

Religious Holidays (non-working days)

Name	Date/Day
Feast of Sacrifice	According to the Muslim Calendar
Orthodox Christmas	7 January

THIS PAGE INTENTIONALLY LEFT BLANK