

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 |

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