

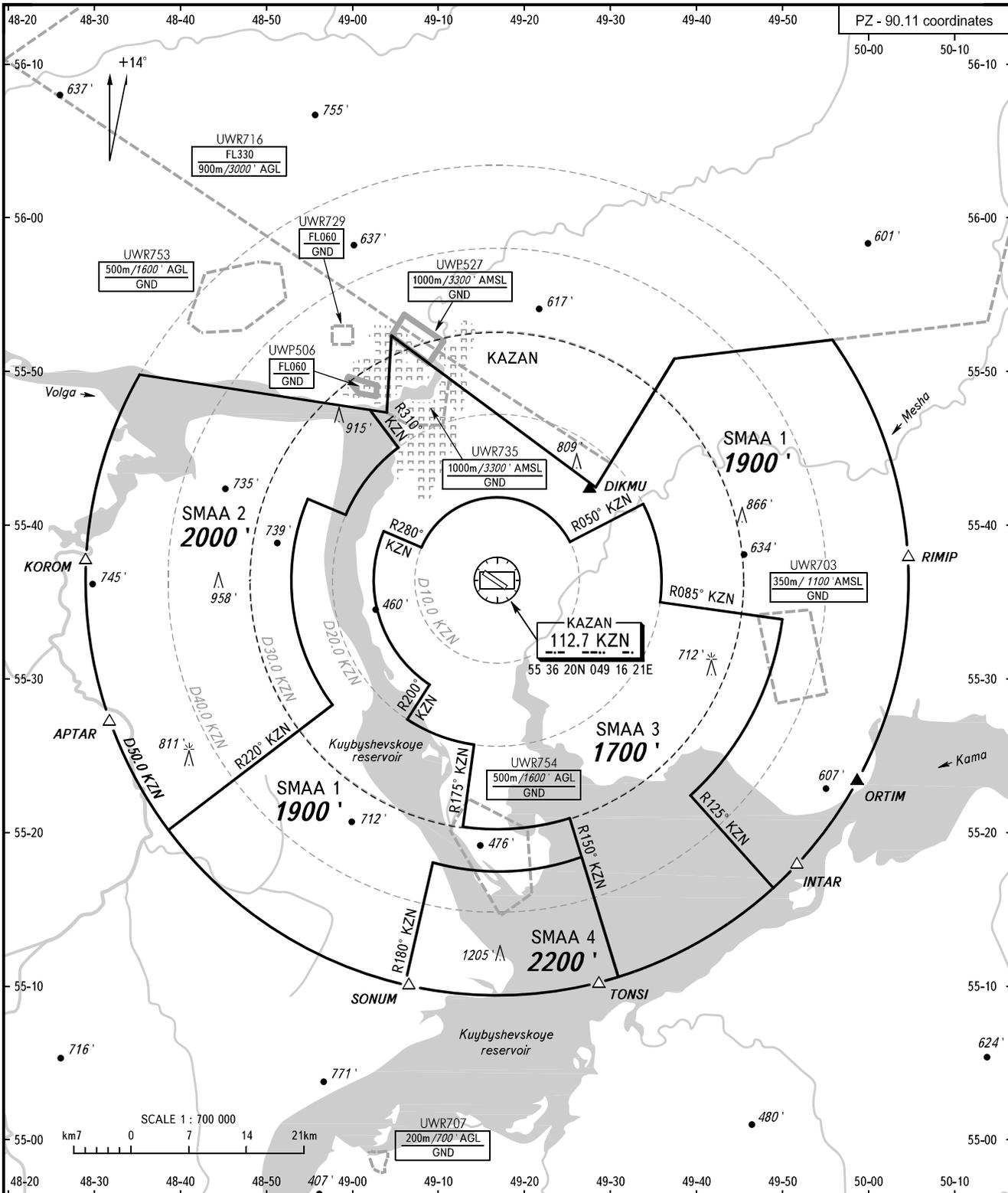
ATC SURVEILLANCE MINIMUM
ALTITUDE CHART - ICAO

ELEV
410' / 125m

TRANSITION ALT: 4000'
TRANSITION HGT: (1100)

KAZAN, RUSSIA

KAZAN



START 120.300
RADAR 119.400

WARNING:

- The chart may only be used for cross-checking of altitudes assigned while the aircraft is identified under radar control.
- TEMPERATURE CORRECTION:
The minimum vectoring altitudes must be corrected by altimeter temperature correction.

COMMUNICATION FAILURE: In accordance with the procedures described in AIP.
The coordinates of SMAA are on the reverse of this page.

BEARINGS AND TRACKS ARE MAGNETIC
ALTITUDES IN FEET
HEIGHTS IN METRES
ELEVATIONS IN FEET
DISTANCES IN KILOMETRES

Alt set: -QNH(QFE on req);
-hPa(mm on req).

KAZAN, RUSSIA
KAZAN

SURVEILLANCE MINIMUM ALTITUDE AREAS		
IDENT	MNM ALT (ft)	LATERAL LIMITS (PZ-90.02 coordinates)
SMAA 1	1900	552016.8N 0483848.7E - 552815.1N 0485719.7E then clockwise by arc of a circle radius of 25 KM centred at (553620.1N 0491620.6E) to 554137.6N 0485425.6E - 554034.4N 0485849.0E then clockwise by arc of a circle radius of 20 KM centred at (553620.1N 0491620.6E) to 554458.0N 0490454.8E - 554730.4N 0490131.7E then along Kazan CTR boundary to 551603.9N 0494754.1E - 552213.3N 0493823.8E then counterclockwise by arc of a circle radius of 35 KM centred at (553620.1N 0491620.6E) to 553332.9N 0494917.3E - 553445.6N 0493510.7E then counterclockwise by arc of a circle radius of 20 KM centred at (553620.1N 0491620.6E) to 554109.9N 0493323.2E - 553845.3N 0492451.4E then counterclockwise by arc of a circle radius of 10 KM centred at (553620.1N 0491620.6E) to 553827.6N 0490735.3E - 553931.1N 0490312.3E then counterclockwise by arc of a circle radius of 15 KM centred at (553620.1N 0491620.6E) to 552934.2N 0490831.8E - 552718.9N 0490556.1E then counterclockwise by arc of a circle radius of 20 KM centred at (553620.1N 0491620.6E) to 552539.9N 0491337.0E - 552019.8N 0491215.8E then counterclockwise by arc of a circle radius of 30 KM centred at (553620.1N 0491620.6E) to 552050.6N 0492430.8E - 551815.6N 0492551.9E then clockwise by arc of a circle radius of 35 KM centred at (553620.1N 0491620.6E) to 551758.1N 0490845.2E - 551013.9N 0490535.5E then along Kazan CTR boundary to 552016.8N 0483848.7E.
SMAA 2	2000	554730.4N 0490131.7E - 554458.0N 0490454.8E then counterclockwise by arc of a circle radius of 20 KM centred at (553620.1N 0491620.6E) to 554034.4N 0485849.0E - 554137.6N 0485425.6E then counterclockwise by arc of a circle radius of 25 KM centred at (553620.1N 0491620.6E) to 552815.1N 0485719.7E - 552016.8N 0483848.7E then along Kazan CTR boundary to 554730.4N 0490131.7E.
SMAA 3	1700	551030.7N 0492954.0E - 552050.6N 0492430.8E then clockwise by arc of a circle radius of 30 KM centred at (553620.1N 0491620.6E) to 552019.8N 0491215.8E - 552539.9N 0491337.0E then clockwise by arc of a circle radius of 20 KM centred at (553620.1N 0491620.6E) to 552718.9N 0490556.1E - 552934.2N 0490831.8E then clockwise by arc of a circle radius of 15 KM centred at (553620.1N 0491620.6E) to 553931.1N 0490312.3E - 553827.6N 0490735.3E then clockwise by arc of a circle radius of 10 KM centred at (553620.1N 0491620.6E) to 553845.3N 0492451.4E - 554109.9N 0493323.2E then clockwise by arc of a circle radius of 20 KM centred at (553620.1N 0491620.6E) to 553445.6N 0493510.7E - 553332.9N 0494917.3E then clockwise by arc of a circle radius of 35 KM centred at (553620.1N 0491620.6E) to 552213.3N 0493823.8E - 551603.9N 0494754.1E then along Kazan CTR boundary to 551030.7N 0492954.0E.
SMAA 4	2200	551013.9N 0490535.5E - 551758.1N 0490845.2E then counterclockwise by arc of a circle radius of 35 KM centred at (553620.1N 0491620.6E) to 551815.6N 0492551.9E - 551030.7N 0492954.0E then along Kazan CTR boundary to 551013.9N 0490535.5E.