

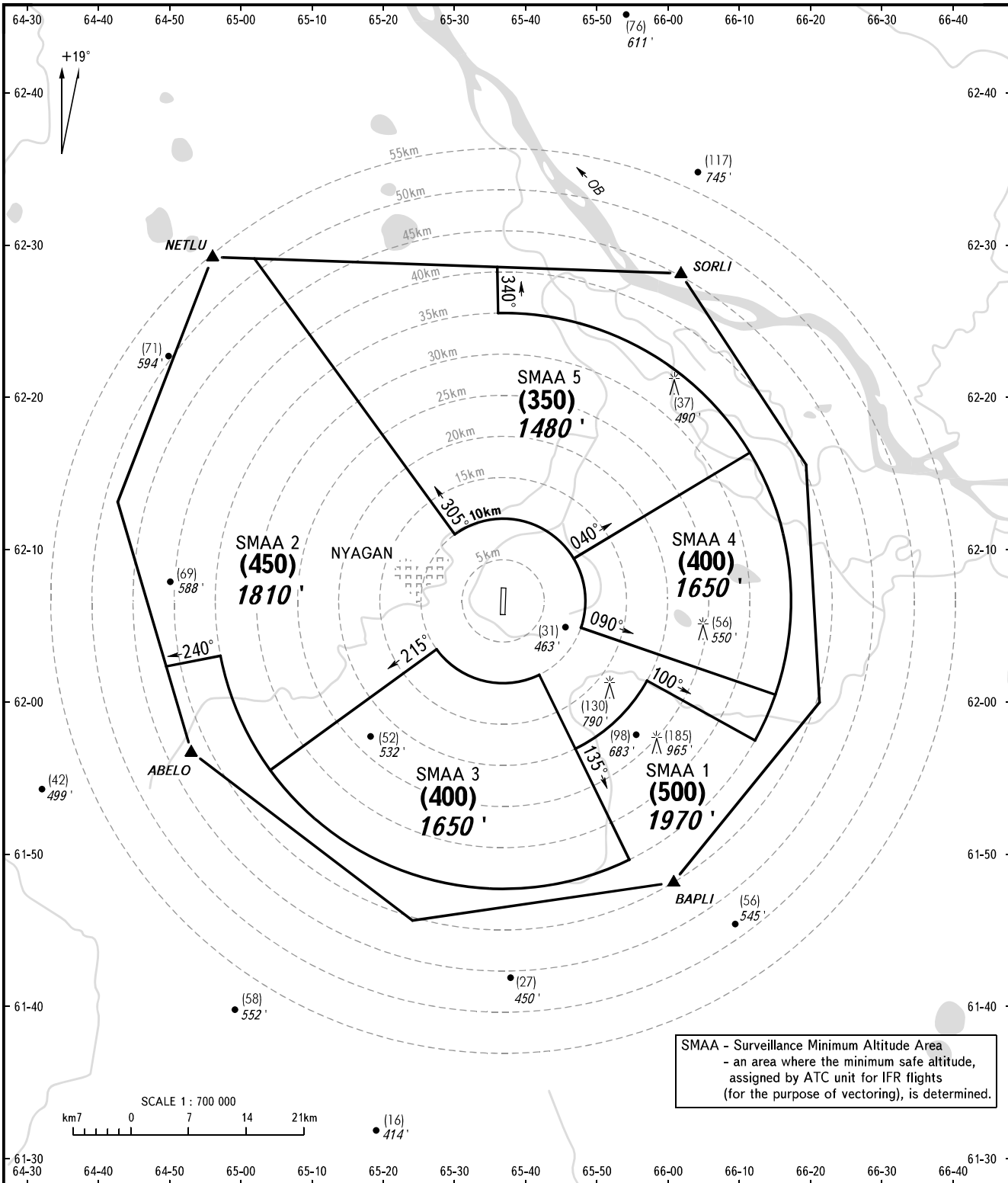
ATC SURVEILLANCE MINIMUM
ALTITUDE CHART - ICAO

ELEV
110m / 361'

TRANSITION HEIGHT: (1200)
TRANSITION ALTITUDE: 4300'

NYAGAN, RUSSIA

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SMAA - Surveillance Minimum Altitude Area
- an area where the minimum safe altitude,
assigned by ATC unit for IFR flights
(for the purpose of vectoring), is determined.

TOWER 122.300

NOTE:

- When radar control is provided, the chart can be used for cross-checking of assigned altitudes only.
- TEMPERATURE CORRECTION:
When vectoring is carried out under low-temperature conditions, minimum vectoring altitudes for IFR flight must be corrected by altimeter temperature correction.
- COMMUNICATION FAILURE: In accordance with the procedures described in AIP.
- TAR reads zero at ARP.

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

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

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SURVEILLANCE MINIMUM ALTITUDE AREAS		
IDENT	MNM HGT (m) ALT ft	LATERAL LIMITS (PZ-90.11 coordinates)
SMAA 1	(500) 1970	622829.20N 0653600.20E – 622802.00N 0660154.00E – 621526.00N 0661922.00E – 615952.00N 0662052.00E – 614810.00N 0660022.00E – 614542.00N 0652418.00E – 615638.00N 0645330.00E – 620212.50N 0644951.40E – 620256.30N 0645724.90E, then anticlockwise by arc of a circle radius of 35 km centred at (620637.70N 0653649.70E) to 614940.30N 0655418.10E – 615656.60N 0654651.20E, then anticlockwise by arc of a circle radius of 20 km centred at (620637.70N 0653649.70E) to 620123.00N 0655652.60E – 615725.10N 0661150.20E, then anticlockwise by arc of a circle radius of 35 km centred at (620637.70N 0653649.70E) to 622528.30N 0653607.10E – 622829.20N 0653600.20E.
SMAA 2	(450) 1810	622902.00N 0645542.00E – 622857.90N 0650138.30E – 621058.90N 0653003.40E, then clockwise by arc of a circle radius of 10 km centred at (620637.70N 0653649.70E) to 620452.10N 0654741.20E – 620024.40N 0661444.20E, then clockwise by arc of a circle radius of 35 km centred at (620637.70N 0653649.70E) to 615725.10N 0661150.20E – 620123.00N 0655652.60E, then clockwise by arc of a circle radius of 20 km centred at (620637.70N 0653649.70E) to 615656.60N 0654651.20E – 620147.20N 0654151.20E, then clockwise by arc of a circle radius of 10 km centred at (620637.70N 0653649.70E) to 620327.50N 0652732.70E – 615529.20N 0650428.60E, then clockwise by arc of a circle radius of 35 km centred at (620637.70N 0653649.70E) to 620256.30N 0645724.90E – 620212.50N 0644951.40E – 621256.00N 0644247.00E – 622902.00N 0645542.00E.
SMAA 3	(400) 1650	615529.20N 0650428.60E – 620327.50N 0652732.70E, then anticlockwise by arc of a circle radius of 10 km centred at (620637.70N 0653649.70E) to 620147.20N 0654151.20E – 614940.30N 0655418.10E, then clockwise by arc of a circle radius of 35 km centred at (620637.70N 0653649.70E) to 615529.20N 0650428.60E.
SMAA 4	(400) 1650	620923.70N 0654641.80E – 621615.70N 0661129.70E, then clockwise by arc of a circle radius of 35 km centred at (620637.70N 0653649.70E) to 620024.40N 0661444.20E – 620452.10N 0654741.20E, then anticlockwise by arc of a circle radius of 10 km centred at (620637.70N 0653649.70E) to 620923.70N 0654641.80E.
SMAA 5	(350) 1480	622857.90N 0650138.30E – 622829.20N 0653600.20E – 622528.30N 0653607.10E, then clockwise by arc of a circle radius of 35 km centred at (620637.70N 0653649.70E) to 621615.70N 0661129.70E – 620923.70N 0654641.80E then anticlockwise by arc of a circle radius of 10 km centred at (620637.70N 0653649.70E) to 621058.90N 0653003.40E – 622857.90N 0650138.30E.