

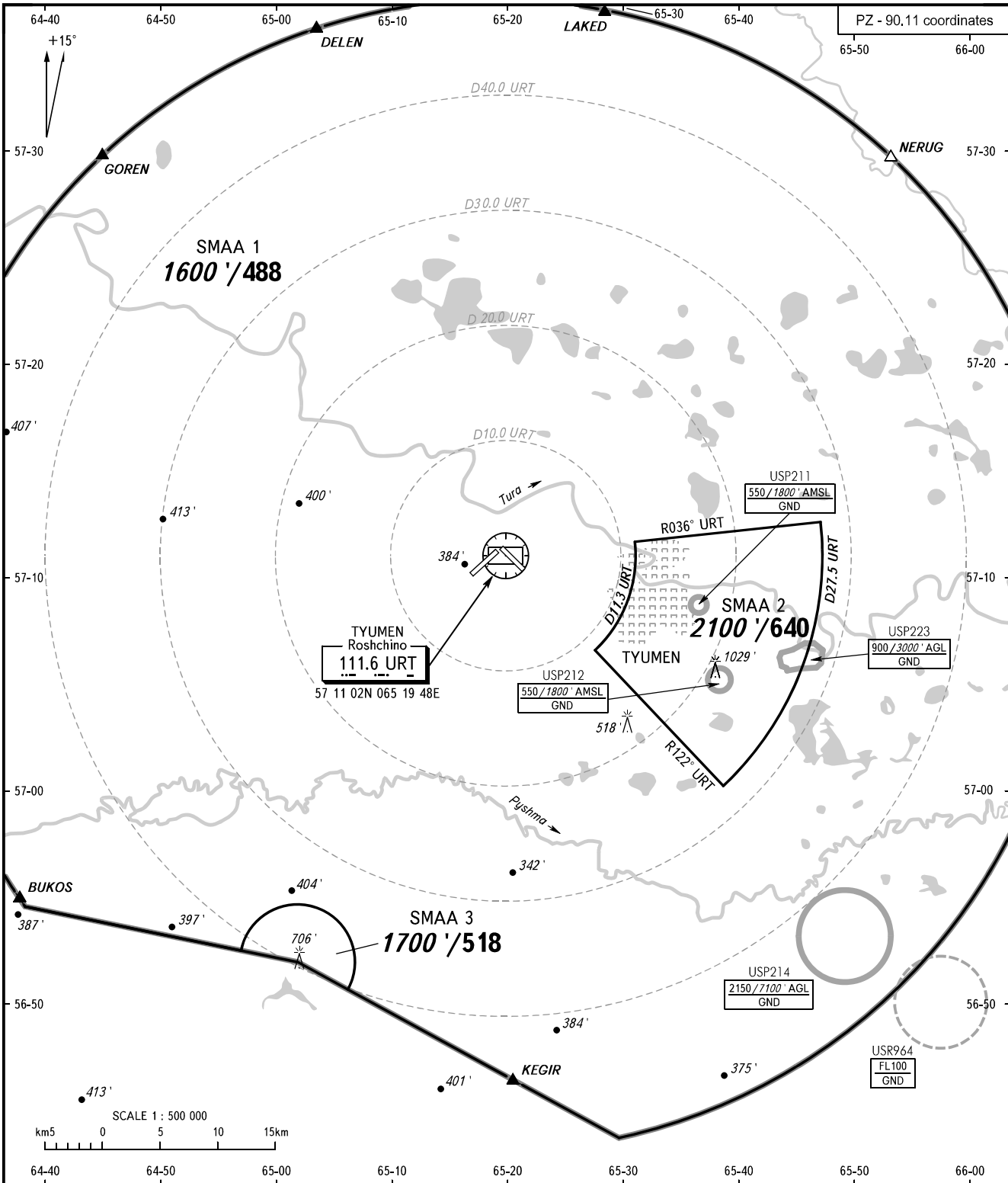
ATC SURVEILLANCE MINIMUM  
ALTITUDE CHART - ICAO

ELEV  
378' / 115m

TRANSITION ALTITUDE: 3000'

TYUMEN, RUSSIA

ROSHCHINO



RADAR START  
126.100  
118.200

**WARNING:**

1. The chart may only be used for cross-checking of altitudes assigned while the aircraft is identified under radar control.
2. TEMPERATURE CORRECTION:  
The altitude value of SMAA is calculated for ISA conditions (15° C).  
When vectoring is executed at a temperature of 0° C or below, the minimum vectoring altitudes must be corrected by altimeter temperature correction.

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

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

CHANGE: Heading

**TYUMEN, RUSSIA**  
**ROSHCHINO**

<b>SURVEILLANCE MINIMUM ALTITUDE AREAS</b>		
IDENT	MNM ALT FT M	LATERAL LIMITS (PZ-90.11 coordinates)
SMAA 1	1600 488	565430N 0643841E, then clockwise by arc of a circle radius of 50 km centred at 571006N 0651858E to 564347N 0652926E, 565043N 0650619E, then anticlockwise by arc of a circle radius of 5 km centred at 565200N 0650200E to 565231N 0645710E, 565430N 0643841E.
SMAA 2	2100 640	570636N 0652729E, then anticlockwise by arc of a circle radius of 11.3 km centred at 571101N 0651948E to 571140N 0653057E, 571233N 0654657E, then clockwise by arc of a circle radius of 27.5 km centred at 571101N 0651948E to 570014N 0653827E, 570636N 0652729E.
SMAA 3	1700 518	565231N 0645710E, then anticlockwise by arc of a circle radius of 5 km centred at 565200N 0650200E to 565043N 0650619E, 565200N 0650200E, 565231N 0645710E.