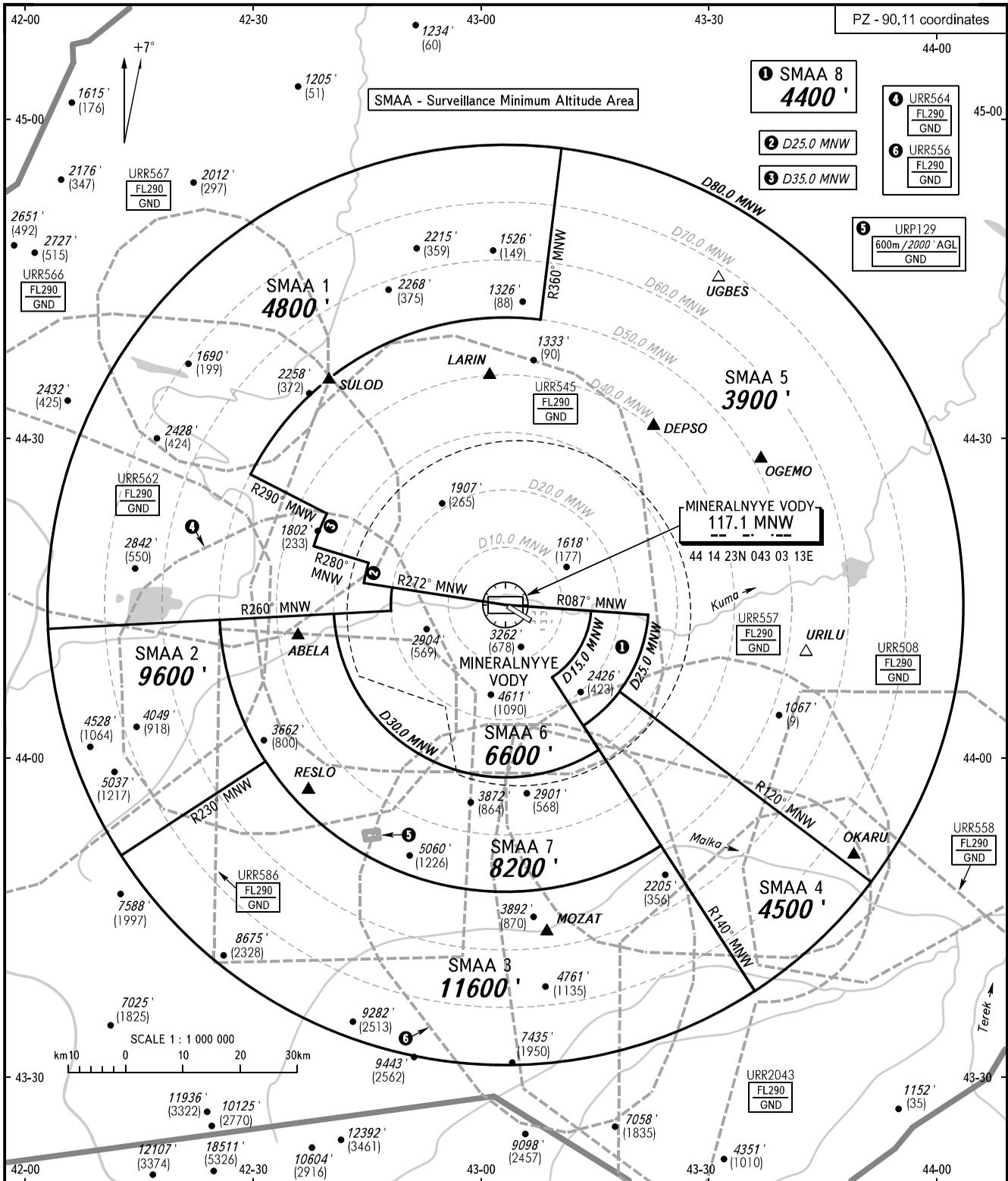


ATC SURVEILLANCE MINIMUM
ALTITUDE CHART - ICAO

ELEV
1047 / 319m

TRANSITION
ALTITUDE: 7000'

MINERALNYE VODY, RUSSIA
MINERALNYE VODY



① SMAA 8
4400'

② D25.0 MNW

③ D35.0 MNW

④ URR564
FL290
GND

⑥ URR556
FL290
GND

⑤ URP129
600m / 2000' AGL
GND

APPROACH 119.300
RADAR 120.700
START 128.000

- WARNING:**
1. The chart may only be used for cross-checking of altitudes assigned while the aircraft is identified under radar control.
 2. When vectoring is carried out in low-temperature conditions, minimum vectoring altitudes for IFR flight must be corrected by altimeter temperature correction.
 3. COMMUNICATION FAILURE: In accordance with procedures described in AIP.
 4. SMAA coordinates are on the reverse of this page.

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

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

MINERALNYYE VODY, RUSSIA

MINERALNYYE VODY

SURVEILLANCE MINIMUM ALTITUDE AREAS		
IDENT	MNM ALT (ft)	LATERAL LIMITS (PZ-90.11 coordinates)
SMAA 1	4800	445715N 0431038E, 444110N 0430750E, then anticlockwise by arc of a circle radius of 50 km centred at 441423N 0430313E to 442633N 0422938E, 442255N 0423944E, then anticlockwise by arc of a circle radius of 35 km centred at 441423N 0430313E to 441951N 0423802E, 441818N 0424514E, then anticlockwise by arc of a circle radius of 25 km centred at 441423N 0430313E to 441624N 0424438E, 441600N 0424821E, then anticlockwise by arc of a circle radius of 20 km centred at 441423N 0430313E to 441348N 0424813E, 441151N 0420315E, then clockwise by arc of a circle radius of 80 km centred at 441423N 0430313E to 445715N 0431038E.
SMAA 2	9600	441151N 0420315E, 441252N 0422544E, then anticlockwise by arc of a circle radius of 50 km centred at 441423N 0430313E to 435936N 0423151E, 435040N 0421309E, then clockwise by arc of a circle radius of 80 km centred at 441423N 0430313E to 441151N 0420315E.
SMAA 3	11600	435040N 0421309E, 435936N 0423151E, then anticlockwise by arc of a circle radius of 50 km centred at 441423N 0430313E to 435142N 0432332E, 433804N 0433537E, then clockwise by arc of a circle radius of 80 km centred at 441423N 0430313E to 435040N 0421309E.
SMAA 4	4500	433804N 0433537E, 440303N 0431325E, then anticlockwise by arc of a circle radius of 25 km centred at 441423N 0430313E to 440614N 0431811E, 434812N 0435052E, then clockwise by arc of a circle radius of 80 km centred at 441423N 0430313E to 433804N 0433537E.
SMAA 5	3900	445715N 0431038E, then clockwise by arc of a circle radius of 80 km centred at 441423N 0430313E to 434812N 0435052E, 440614N 0431811E, then anticlockwise by arc of a circle radius of 25 km centred at 441423N 0430313E to 441325N 0432157E, 441423N 0430313E, 441624N 0424438E then clockwise by arc of a circle radius of 25 km centred at 441423N 0430313E to 441818N 0424514E, 441951N 0423802E then clockwise by arc of a circle radius of 35 km centred at 441423N 0430313E to 442255N 0423944E, 442633N 0422938E then clockwise by arc of a circle radius of 50 km centred at 441423N 0430313E to 444110N 0430750E, 445715N 0431038E.
SMAA 6	6600	441600N 0424821E, 441423N 0430313E, 441348N 0431427E, then clockwise by arc of a circle radius of 15 km centred at 441423N 0430313E to 440735N 0430920E, 440047N 0431526E, then clockwise by arc of a circle radius of 30 km centred at 441423N 0430313E to 441329N 0424043E, 441348N 0424813E, then clockwise by arc of a circle radius of 20 km centred at 441423N 0430313E to 441600N 0424821E.
SMAA 7	8200	441252N 0422544E, 441329N 0424043E, then anticlockwise by arc of a circle radius of 30 km centred at 441423N 0430313E to 440047N 0431526E, 435142N 0432332E, then clockwise by arc of a circle radius of 50 km centred at 441423N 0430313E to 441252N 0422544E.
SMAA 8	4400	441348N 0431427E, 441325N 0432157E then clockwise by arc of a circle radius of 25 km centred at 441423N 0430313E to 440303N 0431325E, 440735N 0430920E then anticlockwise by arc of a circle radius of 15 km centred at 441423N 0430313E to 441348N 0431427E.