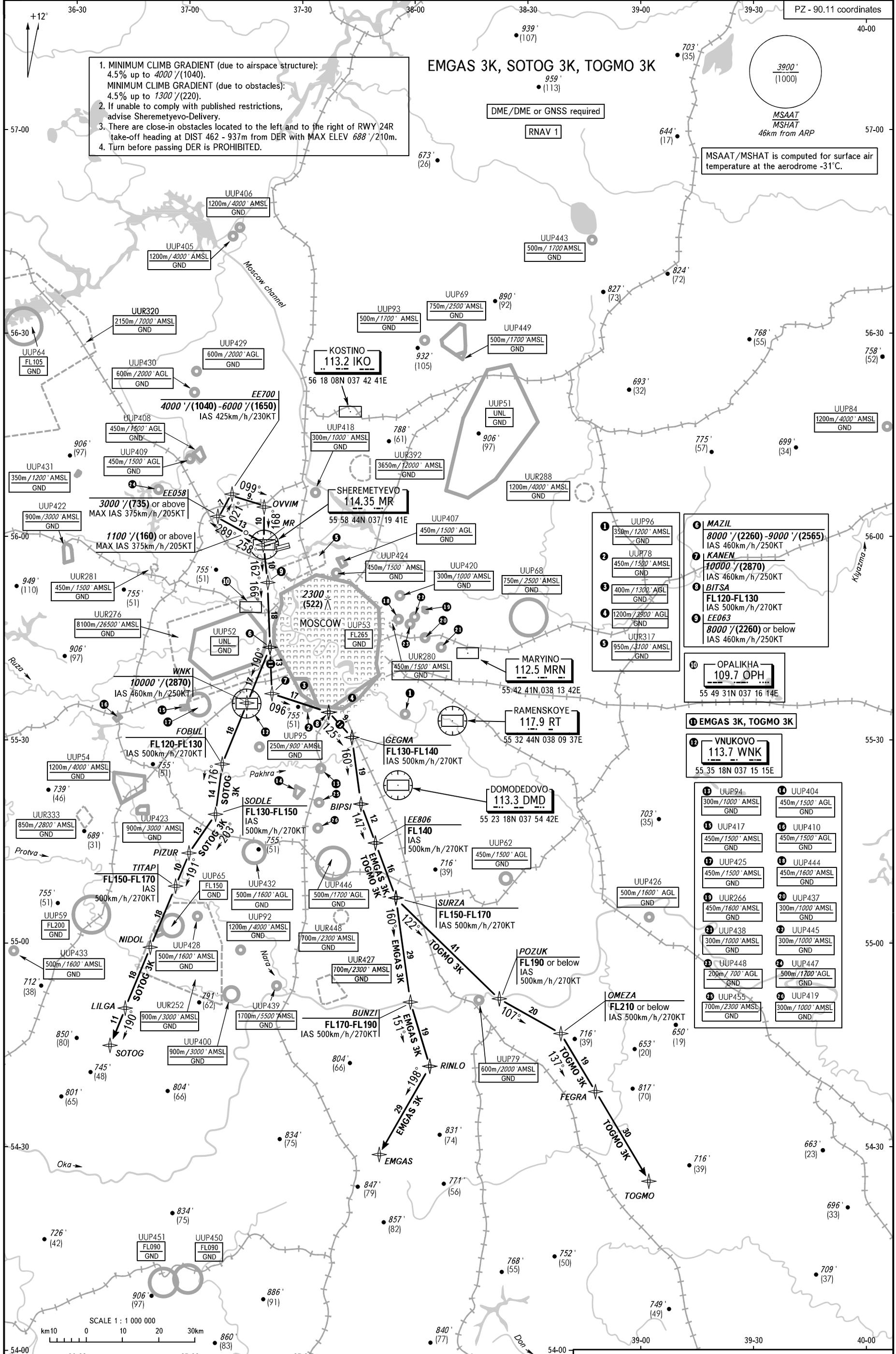


1. MINIMUM CLIMB GRADIENT (due to airspace structure): 4.5% up to 4000'/(1040).
MINIMUM CLIMB GRADIENT (due to obstacles): 4.5% up to 1300'/(220).
2. If unable to comply with published restrictions, advise Sheremetyevo-Delivery.
3. There are close-in obstacles located to the left and to the right of RWY 24R take-off heading at DIST 462 - 937m from DER with MAX ELEV 688'/(210m).
4. Turn before passing DER is PROHIBITED.

EMGAS 3K, SOTOG 3K, TOGMO 3K

DME/DME or GNSS required
RNAV 1

MSAAT/MSHAT is computed for surface air temperature at the aerodrome -31°C.



- 1 UUP96 350m/1200' AMSL GND
- 2 UUP78 450m/1500' AMSL GND
- 3 400m/1300' AGL GND
- 4 1200m/3900' AGL GND
- 5 UUR317 950m/3100' AMSL GND
- 6 MAZIL 8000'/(2260) - 9000'/(2565) IAS 460km/h/250KT
- 7 KANEN 10000'/(2870) IAS 460km/h/250KT
- 8 BITSA FL120-FL130 IAS 500km/h/270KT
- 9 EE063 8000'/(2260) or below IAS 460km/h/250KT
- 10 OPALIKHA 109.7 OPH 55 49 31N 037 16 14E

- 11 EMGAS 3K, TOGMO 3K
- 12 VNUKOVO 113.7 WNK 55 35 18N 037 15 15E

- 13 UUP94 300m/1000' AMSL GND
- 14 UUP404 450m/1500' AGL GND
- 15 UUP417 450m/1500' AMSL GND
- 16 UUP410 450m/1500' AGL GND
- 17 UUP425 450m/1500' AMSL GND
- 18 UUP444 450m/1600' AMSL GND
- 19 UUR266 450m/1600' AMSL GND
- 20 UUP437 300m/1000' AMSL GND
- 21 UUP438 300m/1000' AMSL GND
- 22 UUP445 300m/1000' AMSL GND
- 23 UUP448 200m/700' AGL GND
- 24 UUP447 500m/1700' AGL GND
- 25 UUP455 700m/2300' AMSL GND
- 26 UUP419 300m/1000' AMSL GND

SHEREMETYEVO TOWER	118.700	120.700	131.500	119.300
SHEREMETYEVO RADAR	118.100	122.700		
MOSCOW APPROACH	118.550	118.950	124.200	130.375
VNUKOVO RADAR	127.200	128.000	131.200	127.700
DOMODEDOVO RADAR	123.400	135.900		
	119.400	125.300	129.800	

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

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

CHANGE: UUP65, UUP69, UUP445, UUP446, UUP447, UUP448, UUP449, UUP450, UUP451, UUP455