

POKAG 3A, POKAG 3B, RILPO 3A, RILPO 3B,
SUNUN 3A, SUNUN 3B

VNUKOVO TOWER	118.300
VNUKOVO RADAR	123.400 135.900
DOMODEDOVO RADAR	119.400 125.300 129.800
SHEREMETYEVO RADAR	118.100 122.700
MOSCOW APPROACH	118.950 118.550 127.200 128.000
	130.375 124.200 131.200 134.000

STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

TRANSITION ALT: 10000'
TRANSITION HGT: (2900)

MOSCOW, RUSSIA
VNUKOVO
RNAV RWY 01, 06

MSAAT/MSHAT is computed for surface air temperature at the aerodrome -29°C.

HGT is given relative to RWY 06 THR ELEV 629' / 192m.

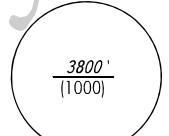
POKAG 3A, RILPO 3A, SUNUN 3A are AVBL only for CAT A, B, C ACFT

If unable to comply with published restrictions, advise Vnukovo-Delivery.

WARNING:
1. The minimum climb gradients required due to the airspace structure:
- 8.8% up to FL120 for POKAG 3A, RILPO 3A, SUNUN 3A;
- 5.7% up to 6000' / (1640') for POKAG 3B, RILPO 3B, SUNUN 3B.
2. The minimum climb gradient required due to obstacles:
- 5.1% up to 1200' / (175) for POKAG 3A, RILPO 3A, SUNUN 3A.
3. There are close-in obstacles:
- RWY 01: located to the left and right of take-off heading at DIST 234-1487m from DER with MAX ELEV 665' / (10);
- RWY 06: located to the right of take-off heading at DIST 676-708m from DER with MAX ELEV 746' / (40).

DME/DME or GNSS is required

PZ - 90.11 coordinates



MSAAT/MSHAT 46km from ARP

VNUKOVO 113.7 WNK
55 35 18N 037 15 15E

GORNA FL170-FL180
IAS 270KT/500km/h

KOMNI FL160-FL170
IAS 270KT/500km/h

SAVELOVO 111.8 SWO
56 22 04N 037 25 51E

KOSTINO 113.2 IKO
56 18 08N 037 42 41E

TAFAZ FL150-FL160
IAS 270KT/500km/h

SHEREMETYEVO 114.6 MR
55 58 44N 037 19 41E

OPALIKHA 109.7 OPH
55 49 31N 037 16 14E

NUZOR FL110-FL130
IAS 250KT/465km/h

DEFAL FL130-FL140
IAS 270KT/500km/h

ITVIN FL150 or above
IAS 270KT/500km/h

PUFIK FL130-FL140
IAS 270KT/500km/h

GIGUN 10000' (2860) or below
IAS 250KT/465km/h

LIKNI 6500' (1795) or above
IAS 240KT/445km/h
(POKAG 3A, RILPO 3A, SUNUN 3A)

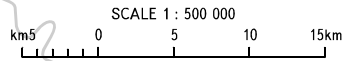
WW191 7000' (1945) or below
IAS 250KT/465km/h

WW063 MAX IAS 220KT/405km/h

WW019 3500' (875) or above
IAS 240KT/445km/h

WW014 6000' (1640) or above
IAS 240KT/445km/h

UUP78 450m/1500' AMSL GND



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).