

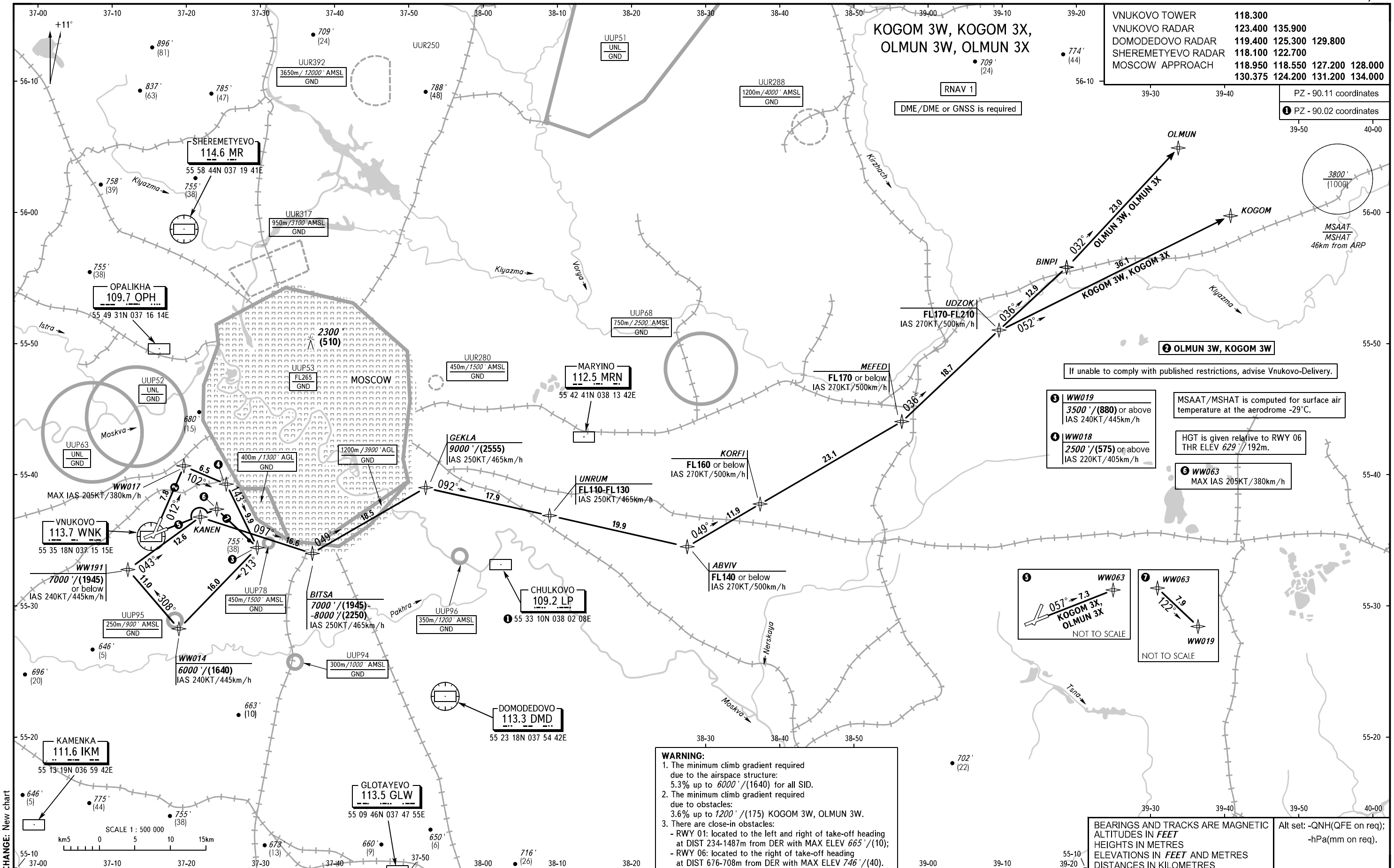
STANDARD DEPARTURE CHART  
INSTRUMENT (SID) - ICAO

TRANSITION ALT: **10000'**  
TRANSITION HGT: **(2900)**

MOSCOW, RUSSIA  
VNUKOVO  
RNAV RWY 01, 06

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

PZ - 90.11 coordinates  
① PZ - 90.02 coordinates

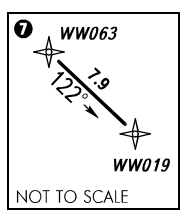
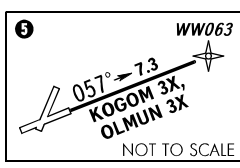


- ③ WW019  
3500'/(880) or above  
IAS 240KT/445km/h
- ④ WW018  
2500'/(575) or above  
IAS 220KT/405km/h

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

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

⑥ WW063  
MAX IAS 205KT/380km/h



**WARNING:**

- The minimum climb gradient required due to the airspace structure:  
5.3% up to 6000'/(1640) for all SID.
- The minimum climb gradient required due to obstacles:  
3.6% up to 1200'/(175) KOGOM 3W, OLMUN 3W.
- 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).

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: New chart