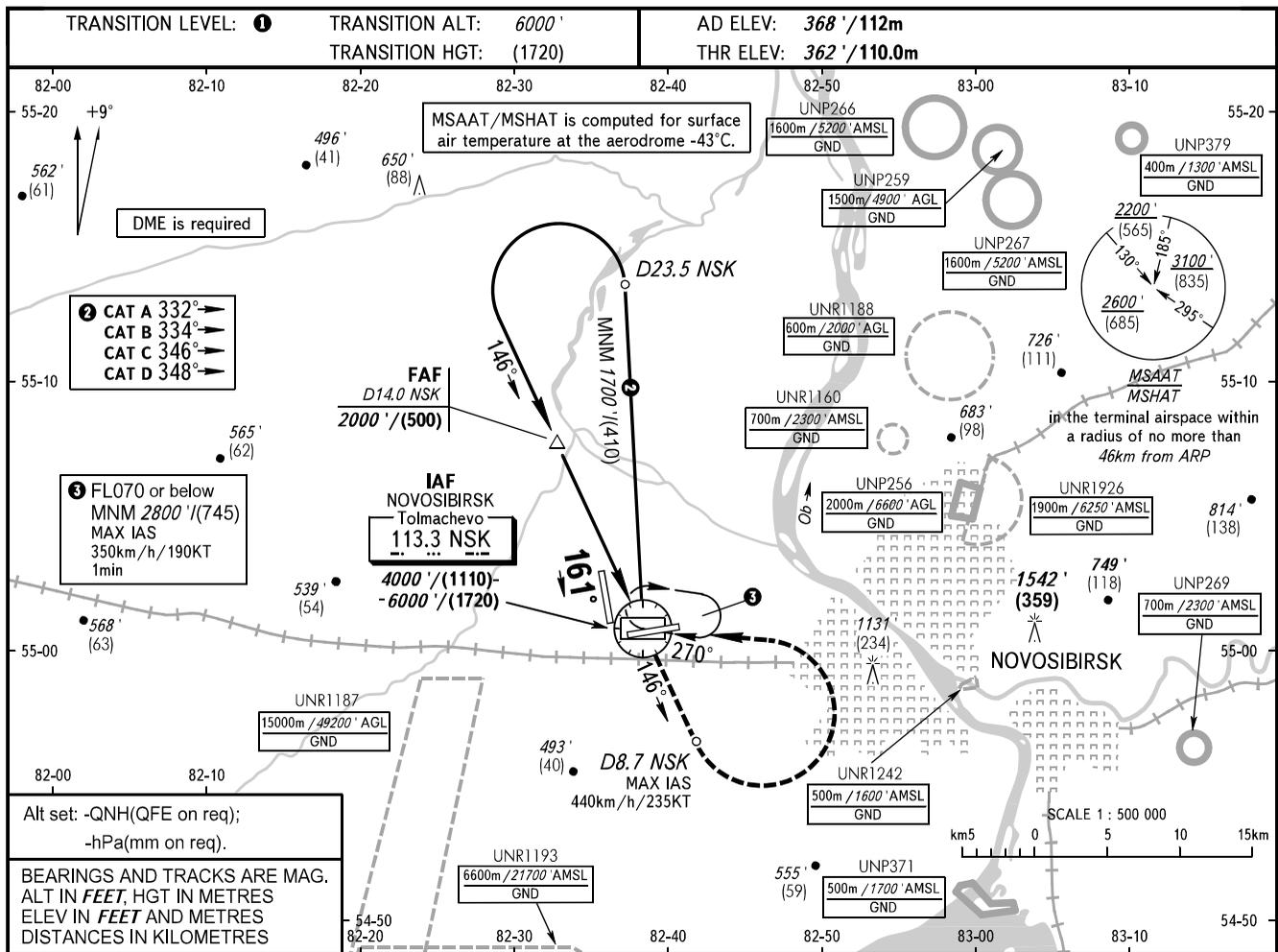


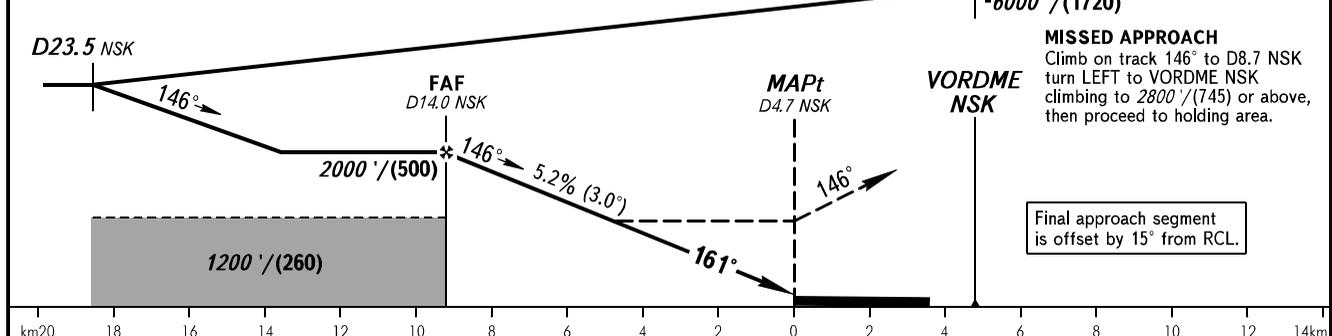
INSTRUMENT
APPROACH
CHART - ICAO

NOVOSIBIRSK, RUSSIA
TOLMACHEVO
VOR RWY 16

RADAR 122.000
TOWER 126.700



| | | | |
|-----------------|---------------|---------------|---------------|
| DME NSK | 14.0 | 12.0 | 10.0 |
| ALTITUDE/HEIGHT | 2000' / (500) | 1660' / (400) | 1320' / (295) |



| OCA(H) | A | B | C | D |
|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Straight-in Approach | 1180' (820') (250) | 1180' (820') (250) | 1180' (820') (250) | 1180' (820') (250) |

1 TRANSITION LEVEL:
- FL070 when QNH is 1013 hPa (760mm mercury column) or above;
- FL080 when QNH is 977 hPa (733mm mercury column) or above,
but less than 1013 hPa (760mm mercury column);
- FL090 when QNH is less than 977 hPa (733mm mercury column).

WARNING:
1. Holding area shall be used, if clearance to cross UNR1187 (during its activity), UNP256 or arrangement with ATS unit are AVBL.
2. MAPt at D4.7 NSK. Timing not authorized for defining MAPt.

| GROUND SPEED | km/h | 150 | 180 | 210 | 240 | 270 | 300 | 330 | 360 | 390 | 420 | 450 |
|-----------------|--------|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|
| | kt | 81 | 97 | 113 | 130 | 146 | 162 | 178 | 194 | 211 | 227 | 243 |
| RATE OF DESCENT | m/s | 2.2 | 2.6 | 3.0 | 3.5 | 3.9 | 4.3 | 4.8 | 5.2 | 5.6 | 6.1 | 6.5 |
| | ft/min | 427 | 512 | 597 | 682 | 768 | 853 | 938 | 1024 | 1109 | 1194 | 1280 |