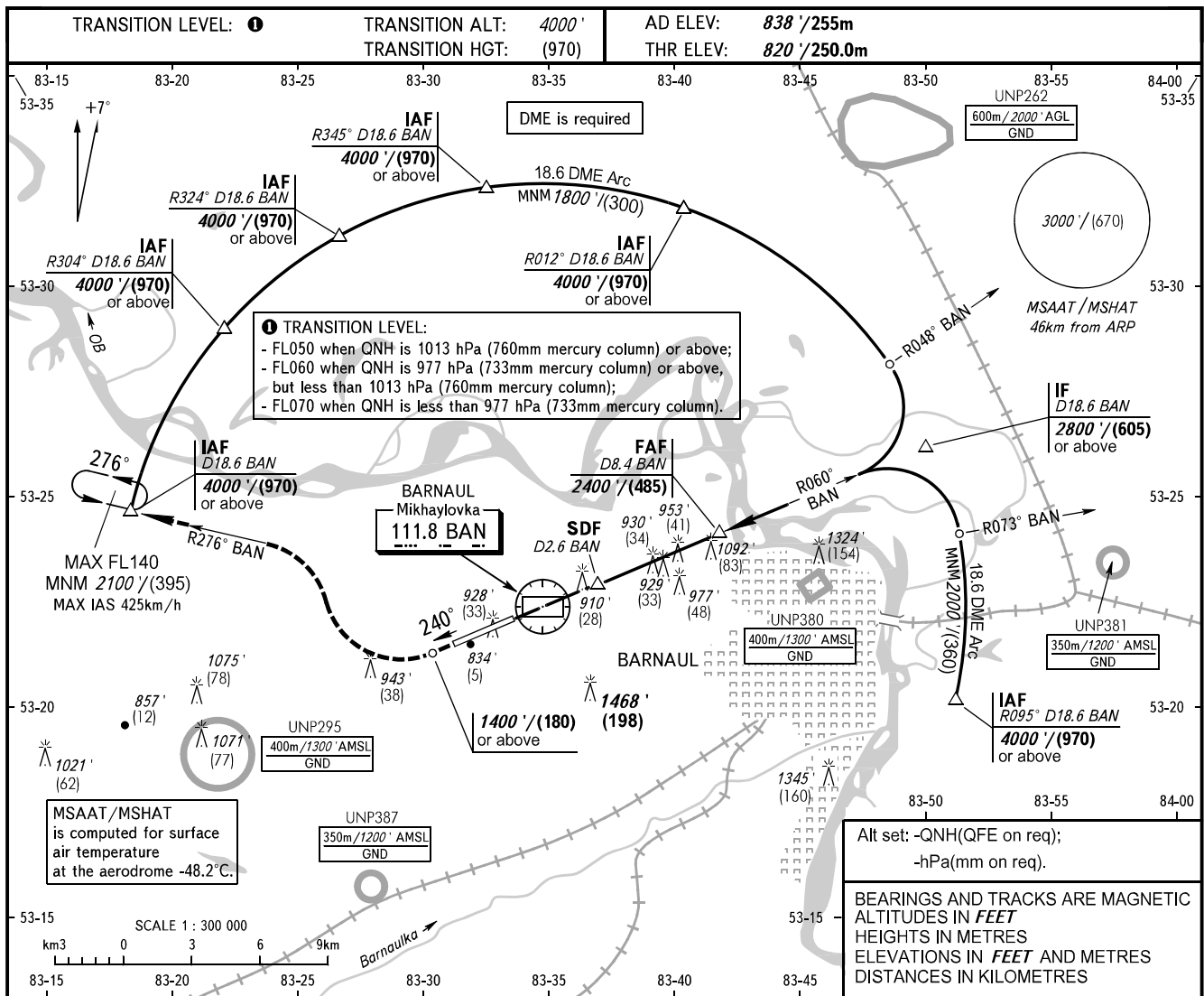


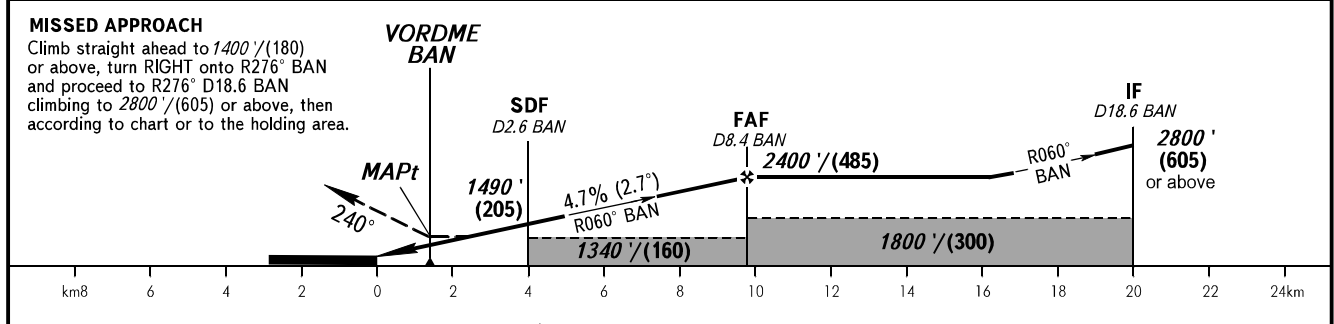
**INSTRUMENT
APPROACH
CHART - ICAO**

TOWER **123.500**

**BARNAUL, RUSSIA
MIKHAYLOVKA
VOR RWY 24**



| | | | | |
|-----------------|---------------|---------------|---------------|---------------|
| DME BAN | 2.0 | 4.0 | 6.0 | 8.0 |
| ALTITUDE/HEIGHT | 1400' / (177) | 1710' / (272) | 2020' / (366) | 2320' / (458) |



| OCA(H) | | A | B | C | D | WARNING: 1. Visual manoeuvring south of AD is PROHIBITED. 2. MAPt at VORDME BAN. Timing not authorized for defining MAPt. 3. Turn before passing MAPt is PROHIBITED. | | | | | | | |
|----------------------|----------|-----------------------|-----------------------|------------------------|------------------------|--|-----|-----|-----|-----|------|------|------|
| Straight-in Approach | With SDF | 1160' (340') (105) | 1160' (340') (105) | 1160' (340') (105) | 1160' (340') (105) | | | | | | | | |
| | WO SDF | 1340' (520') (160) | 1340' (520') (160) | 1340' (520') (160) | 1340' (520') (160) | | | | | | | | |
| Circling | | 1240' (400') (125) | 1500' (660') (205) | 1870' (1030') (315) | 1870' (1030') (315) | | | | | | | | |
| GROUND SPEED | | km/h | 150 | 180 | 210 | 240 | 270 | 300 | 330 | 360 | 390 | 420 | 450 |
| RATE OF DESCENT | | m/s | 2.0 | 2.4 | 2.7 | 3.1 | 3.5 | 3.9 | 4.3 | 4.7 | 5.1 | 5.5 | 5.9 |
| | | ft / min | 385 | 463 | 540 | 617 | 694 | 771 | 848 | 925 | 1002 | 1079 | 1156 |

CHANGE: UNP380, UNP381, UNP387