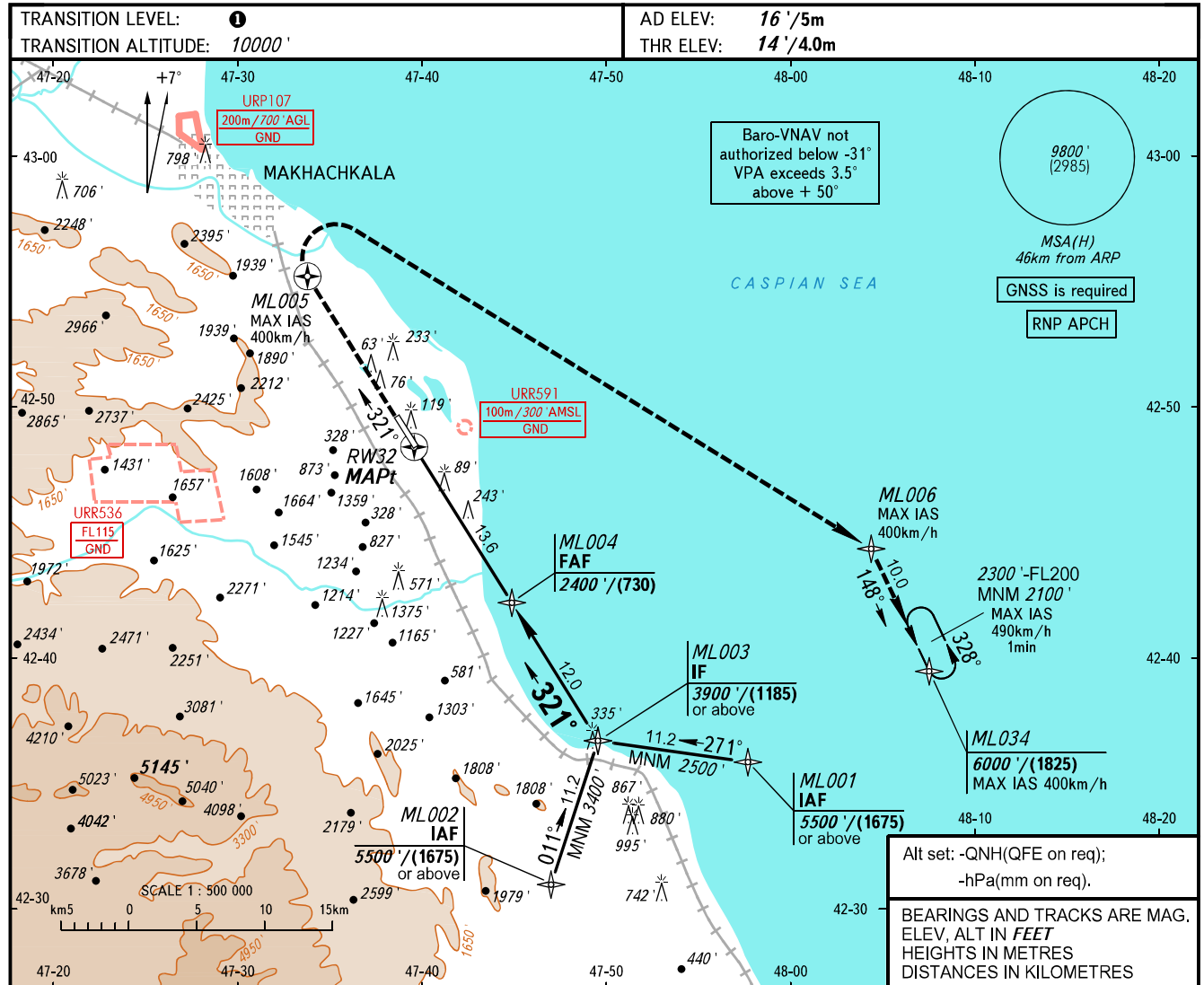


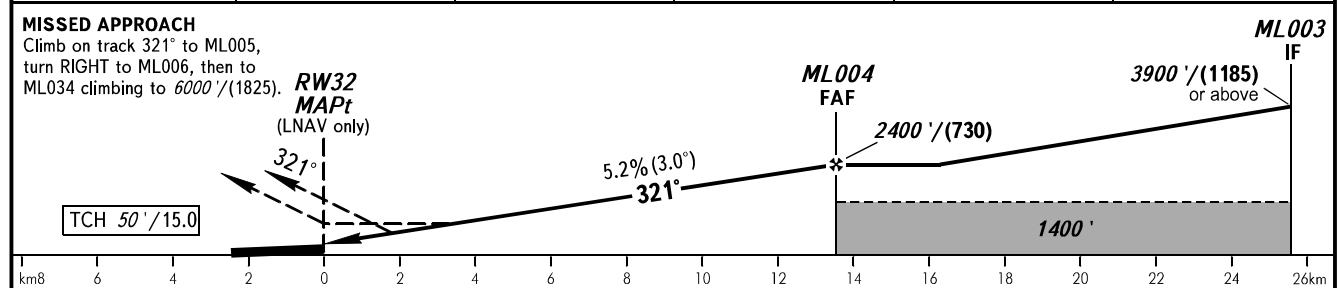
**INSTRUMENT  
APPROACH  
CHART - ICAO**

|                |         |
|----------------|---------|
| RADAR<br>START | 121.300 |
|                | 121.300 |

**MAKHACHKALA, RUSSIA**  
UYTASH  
RNP RWY 32



|                 |              |               |               |               |               |
|-----------------|--------------|---------------|---------------|---------------|---------------|
| DIST to RW32    | 4.0          | 6.0           | 8.0           | 10.0          | 12.0          |
| ALTITUDE/HEIGHT | 752' / (225) | 1096' / (330) | 1440' / (436) | 1783' / (540) | 2127' / (645) |



| OCA(H)               |           | A           | B           | C             | D             |
|----------------------|-----------|-------------|-------------|---------------|---------------|
| Straight-in Approach | LNAV      | 740' (730') | 740' (730') | 740' (730')   | 740' (730')   |
|                      | LNAV/VNAV | 327' (312') | 337' (321') | 347' (331')   | 356' (341')   |
| Circling             |           | 790' (770') | 830' (810') | 1720' (1700') | 1870' (1860') |

**1** TRANSITION LEVEL:  
- FL110 when QNH is 1013 hPa (760mm mercury column) or above;  
- FL120 when QNH is 977 hPa (733mm mercury column) or above, but less than 1013 hPa (760mm mercury column);  
- FL130 when QNH is less than 977 hPa (733mm mercury column).

**WARNING:**  
1. Visual manoeuvring west of the aerodrome is PROHIBITED.  
2. MAPt at RW32. Timing not authorized for defining MAPt.

|                 |        |     |     |     |     |     |     |     |      |      |      |      |
|-----------------|--------|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|
| GROUND SPEED    | km/h   | 150 | 180 | 210 | 240 | 270 | 300 | 330 | 360  | 390  | 420  | 450  |
| 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 |