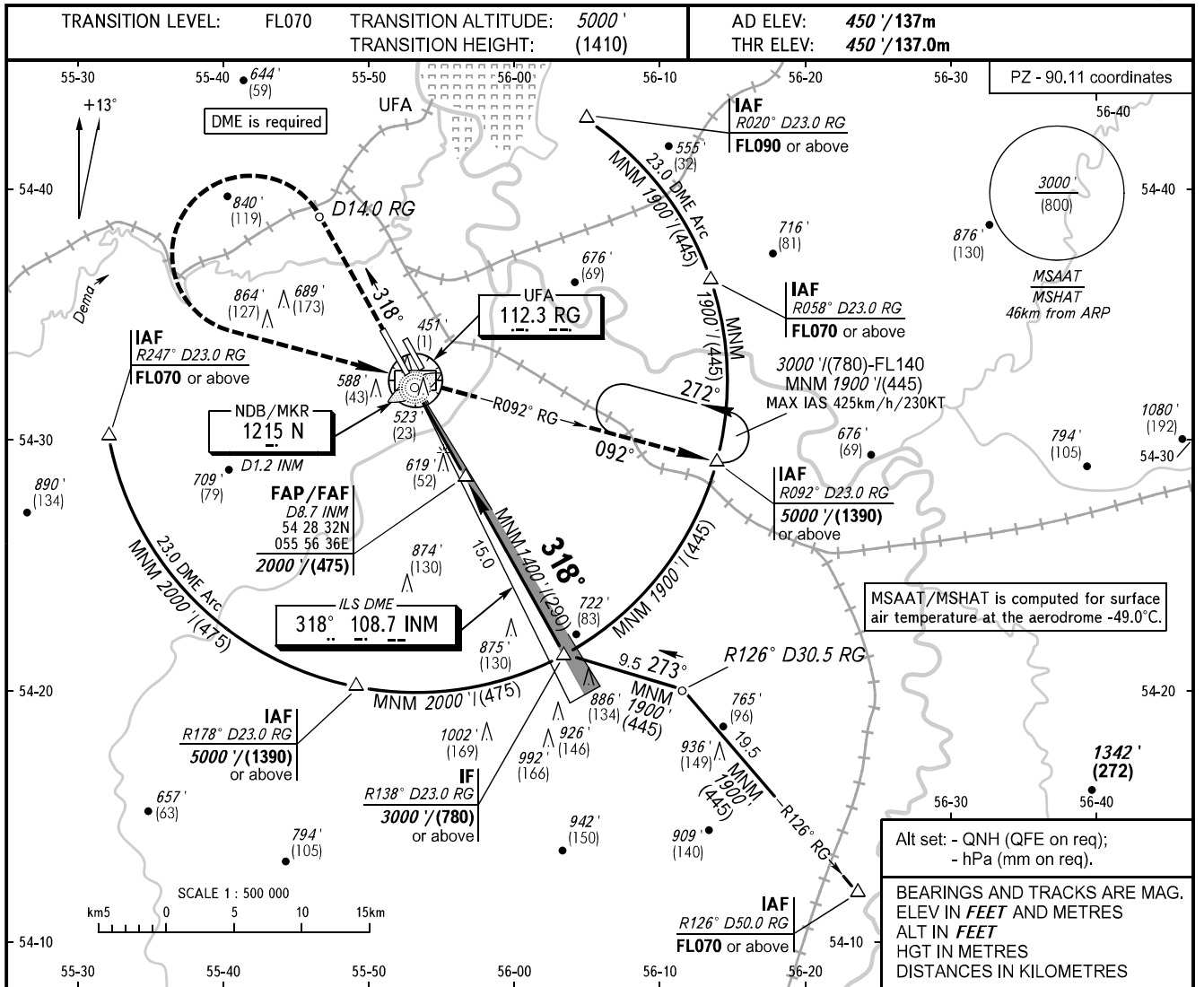


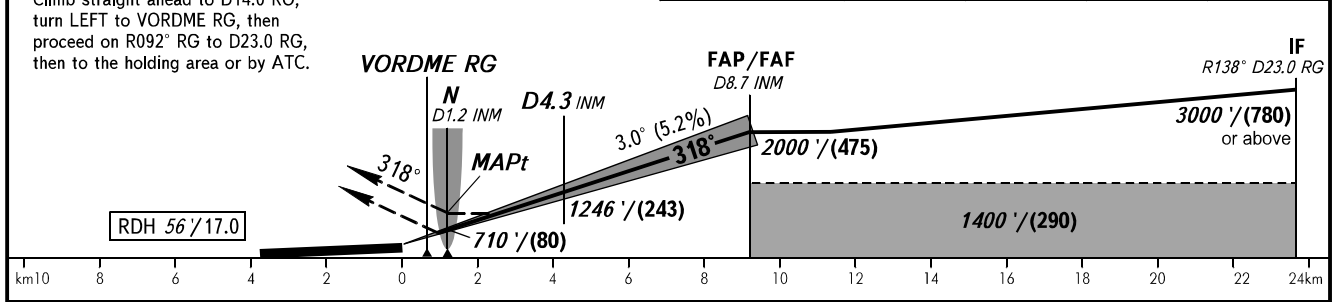
**INSTRUMENT  
APPROACH  
CHART - ICAO**

**RADAR 120.900**

**UFA, RUSSIA**  
UFA  
ILS Y CAT I/II, LOC Y RWY 32L



|                 |              |               |               |               |
|-----------------|--------------|---------------|---------------|---------------|
| DME INM         | 2.0          | 4.0           | 6.0           | 8.0           |
| ALTITUDE/HEIGHT | 850' / (125) | 1200' / (230) | 1540' / (335) | 1890' / (440) |



| OCA(H)               |        | A                 | B                 | C                  | D                  | <b>WARNING:</b><br>1. Flying birds can be expected in take-off, landing areas and on final approach segment.<br>2. ILS DME INM reads zero at RWY 32L THR.<br>3. MAPt at NDB/MKR N. Timing not authorized for defining MAPt. |     |     |     |     |      |      |
|----------------------|--------|-------------------|-------------------|--------------------|--------------------|---|-----|-----|-----|-----|------|------|
| Straight-in Approach | CAT I  | 609' (159') (49)  | 621' (171') (53)  | 630' (180') (55)   | 640' (190') (58)   |   |     |     |     |     |      |      |
|                      | CAT II | 515' (65') (20)   | 532' (82') (25)   | 550' (100') (31)   | 565' (115') (35)   |   |     |     |     |     |      |      |
|                      | LOC    | 810' (360') (110) | 810' (360') (110) | 810' (360') (110)  | 810' (360') (110)  |   |     |     |     |     |      |      |
| Circling             |        | 890' (440') (135) | 950' (500') (155) | 1090' (640') (195) | 1260' (810') (250) |   |     |     |     |     |      |      |
| GROUND SPEED         |        | km/h              |                   | 150                | 180                | 210   | 240 | 270 | 300 | 330 | 360  | 390  |
|                      |        | kt                |                   | 81                 | 97                 | 113   | 130 | 146 | 162 | 178 | 194  | 211  |
| RATE OF DESCENT      |        | m/s               |                   | 2.2                | 2.6                | 3.0   | 3.5 | 3.9 | 4.3 | 4.8 | 5.2  | 5.6  |
|                      |        | ft/min            |                   | 427                | 512                | 597   | 682 | 768 | 853 | 938 | 1024 | 1109 |