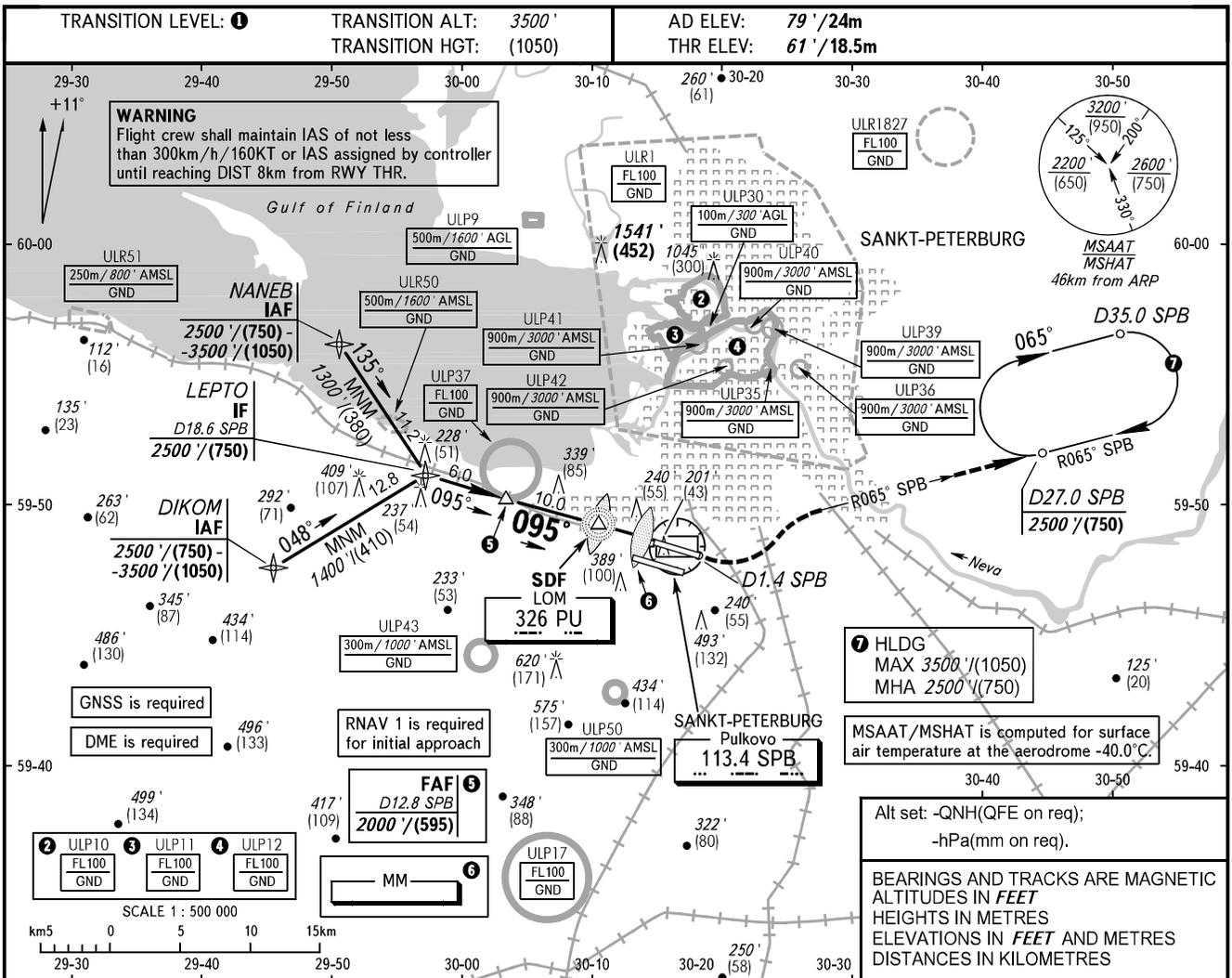


**INSTRUMENT  
APPROACH  
CHART - ICAO**

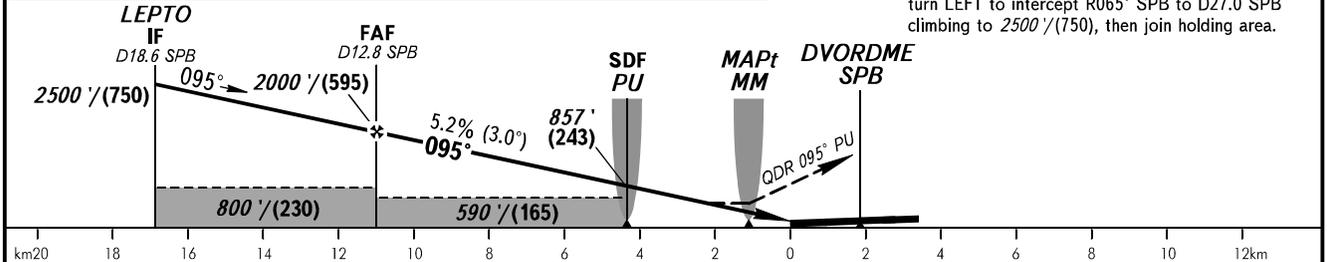
RADAR 120.300  
TOWER 118.100

**SANKT-PETERBURG, RUSSIA  
PULKOVO  
NDB RWY 10L**



|         |             |             |             |             |            |            |
|---------|-------------|-------------|-------------|-------------|------------|------------|
| DME SPB | 12.8        | 12.0        | 10.0        | 8.0         | 6.0        | 4.0        |
| ALT/HGT | 2000'/(595) | 1890'/(560) | 1540'/(450) | 1200'/(350) | 860'/(245) | 510'/(140) |

**MISSED APPROACH**  
Climb straight ahead on QDR 095° PU to D1.4 SPB, turn LEFT to intercept R065° SPB to D27.0 SPB climbing to 2500'/(750), then join holding area.



| OCA(H)               |            | A                 | B                 | C                 | D                  |
|----------------------|------------|-------------------|-------------------|-------------------|--------------------|
| Straight-in Approach | 800'/(230) | 490' (430') (135) | 490' (430') (135) | 490' (430') (135) | 490' (430') (135)  |
|                      | 590'/(165) |                   |                   |                   |                    |
| Circling             |            | 690' (610') (190) | 790' (710') (220) | 890' (810') (250) | 1020' (940') (290) |

**1. TRANSITION LEVEL:**  
- FLO50 when QNH is 996 hPa (747mm mercury column) or above;  
- FLO60 when QNH is 960 hPa (720mm mercury column) or above, but less than 996 hPa (747mm mercury column);  
- FLO70 when QNH is less than 960 hPa (720mm mercury column).

**WARNING**  
Visual manoeuvring to the north of the AD is PROHIBITED.

**NOTE:**  
1. The length of intermediate approach is less than 9.3km.  
2. MAPt at MM. Timing not authorized for defining MAPt.

|                 |        |     |     |     |     |     |     |     |      |      |
|-----------------|--------|-----|-----|-----|-----|-----|-----|-----|------|------|
| GROUND SPEED    | km/h   | 150 | 180 | 210 | 240 | 270 | 300 | 330 | 360  | 390  |
|                 | kt     | 80  | 100 | 110 | 130 | 145 | 160 | 180 | 195  | 210  |
| RATE OF DESCENT | m/s    | 2.2 | 2.6 | 3.1 | 3.5 | 3.9 | 4.4 | 4.8 | 5.2  | 5.7  |
|                 | ft/min | 430 | 516 | 602 | 688 | 774 | 860 | 946 | 1032 | 1118 |

CHANGE: WARNING