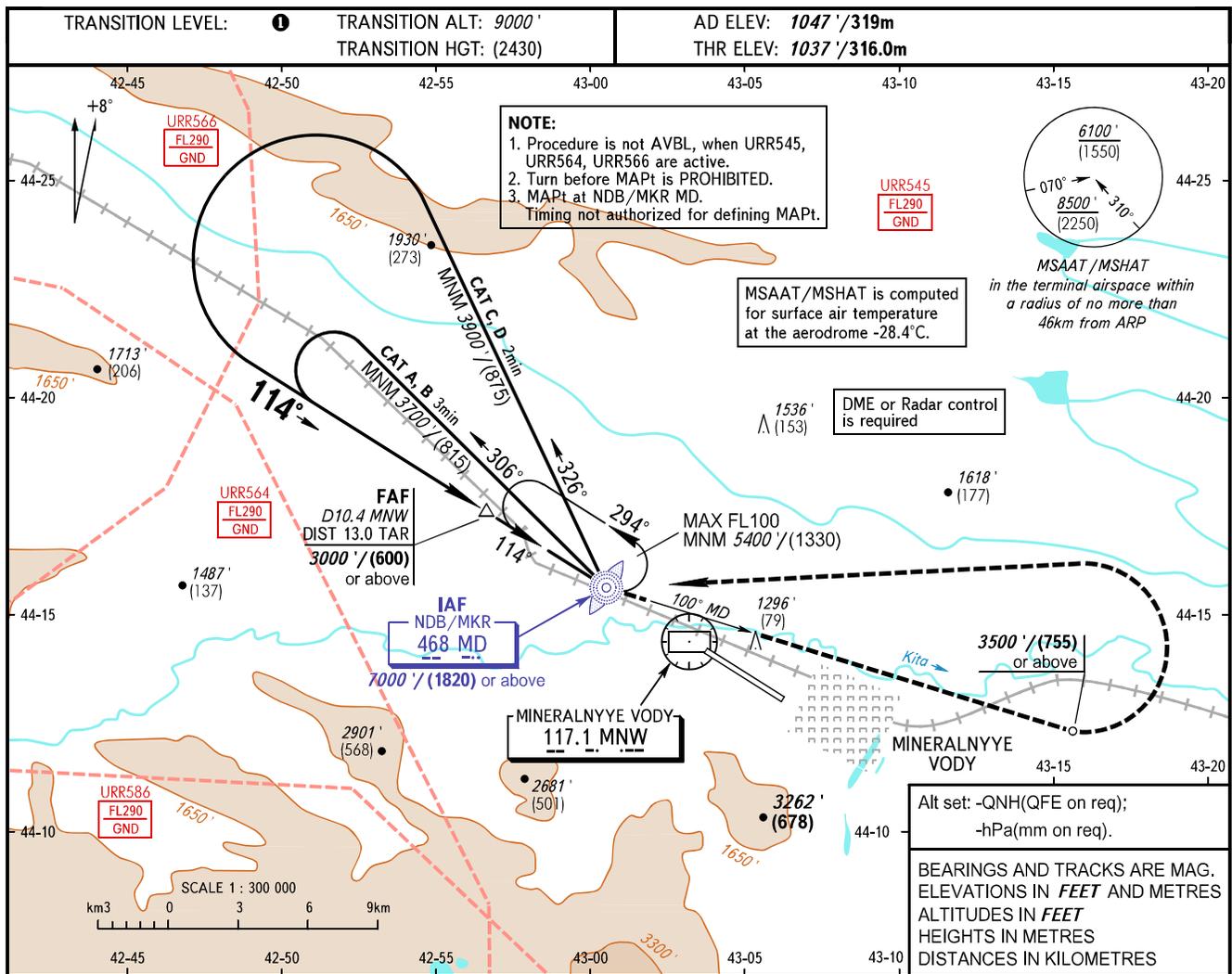


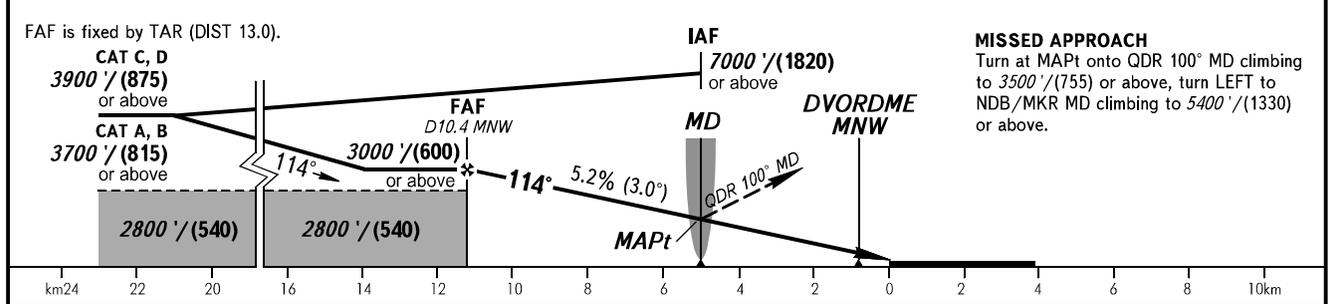
**INSTRUMENT  
APPROACH  
CHART - ICAO**

**MINERALNYYE VODY, RUSSIA**  
MINERALNYYE VODY  
NDB Y RWY 11

RADAR **120.700**  
START **128.000**



DME MNW	10.0	8.0	6.0
ALT/HGT	2930'/(577)	2589'/(473)	2248'/(369)



OCA(H)	A	B	C	D
Straight-in	1960' (920') (285)	1960' (920') (285)	1960' (920') (285)	1960' (920') (285)
Approach				
Circling	1960' (920') (285)	1960' (920') (285)	2180' (1140') (350)	2320' (1280') (395)

**TRANSITION LEVEL:**  
- FL100 when QNH is 1013 hPa (760mm mercury column) or above;  
- FL110 when QNH is 977 hPa (733mm mercury column) or above, but less than 1013 hPa (760mm mercury column);  
- FL120 when QNH is less than 977 hPa (733mm mercury column).

Visual manoeuvring south of the AD is PROHIBITED.

GROUND SPEED	km/h	150	180	210	240	270	300	330	360
	kt	81	97	113	130	146	162	178	194
RATE OF DESCENT	m/s	2.2	2.6	3.0	3.5	3.9	4.3	4.8	5.2
	ft/min	427	512	597	682	768	853	938	1024