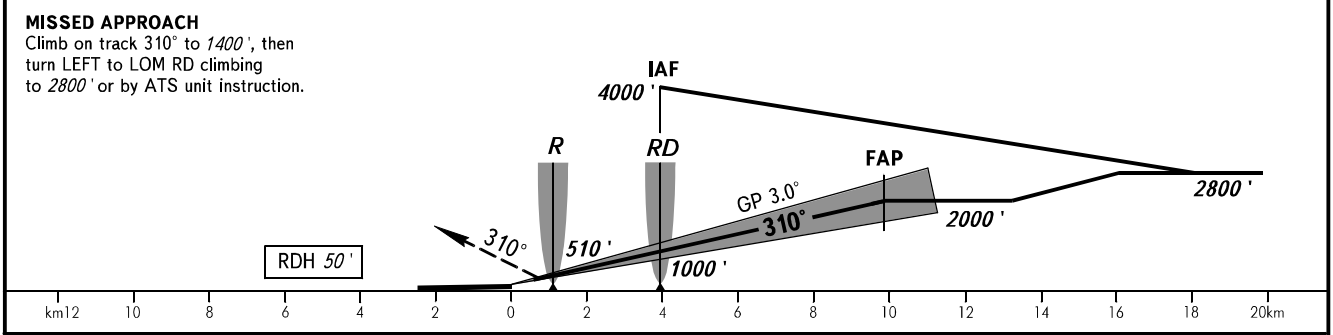
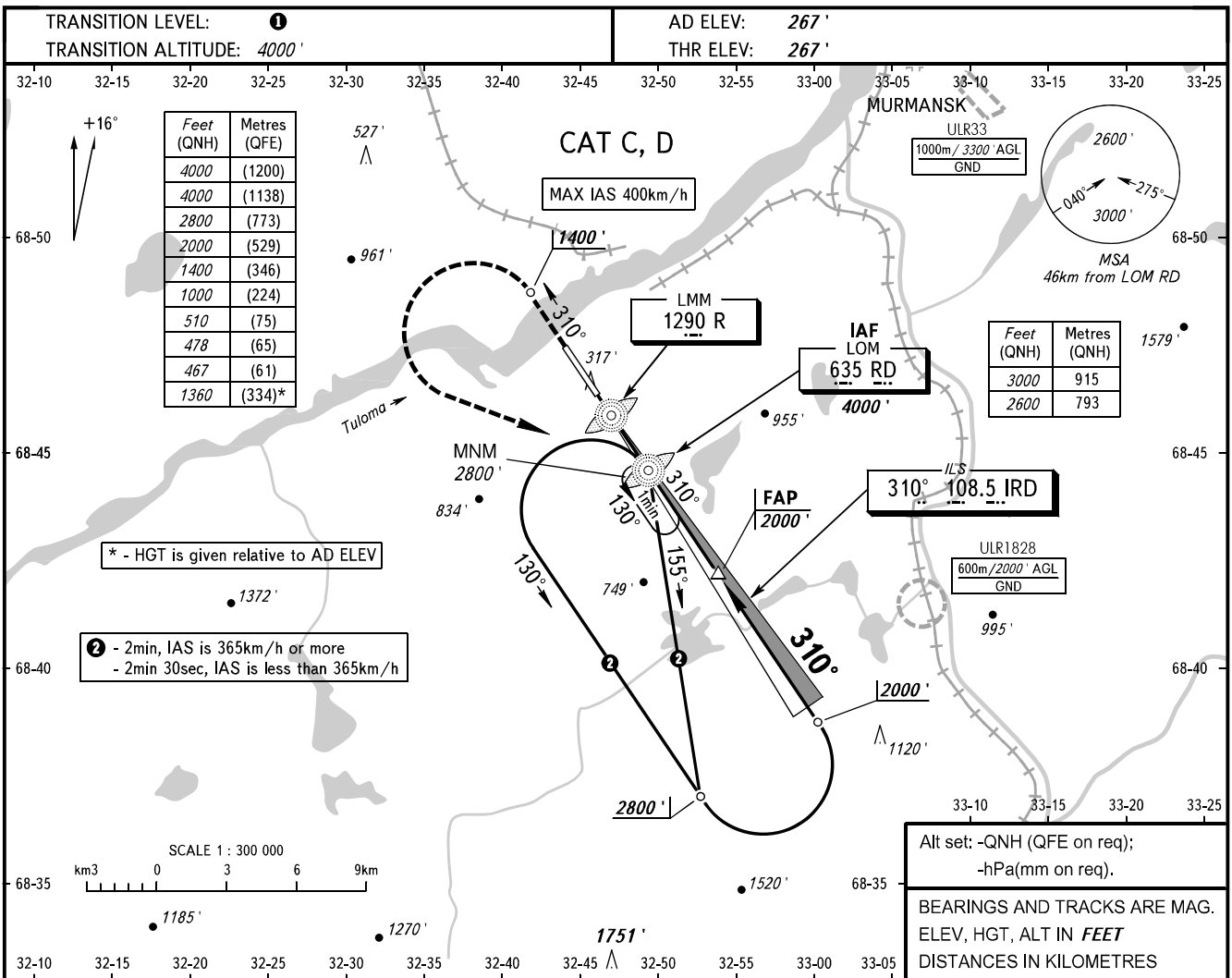


**INSTRUMENT
APPROACH
CHART - ICAO**

TOWER **120.300**

MURMANSK, RUSSIA
MURMANSK
ILS X RWY 31 CAT I



OCA(H)		A	B	C	D						
Straight-in Approach	CAT I			467' (200')	478' (211')						
Circling				1360' (1100')	1360' (1100')						
GROUND SPEED	km/h		150	180	210	240	270	300	330	360	360
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

1 TRANSITION LEVEL:
- FL050 when QNH is 1013 hPa (760mm mercury column) or above;
- FL060 when QNH is 977 hPa (733mm mercury column) or above, but less than 1013 hPa (760mm mercury column);
- FL070 when QNH is less than 977 hPa (733mm mercury column).

WARNING
Visual manoeuvring to the north-east of the AD is prohibited.

CHANGE: New chart