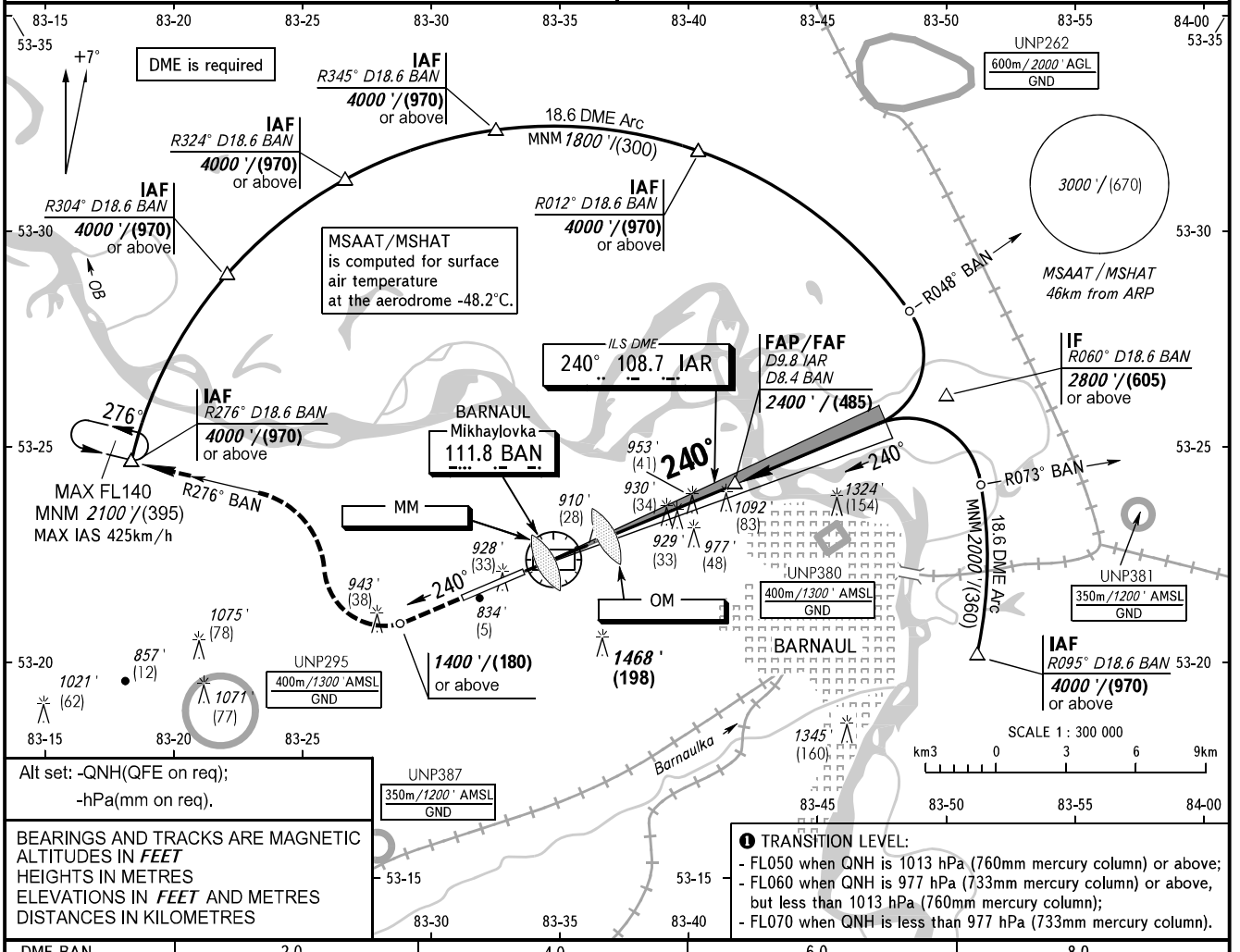
INSTRUMENT
APPROACH
CHART - ICAO

TOWER	123.500

BARNAUL, RUSSIA
MIKHAYLOVKA
ILS Y CAT I, LOC Y RWY 24

TRANSITION LEVEL: ❶	TRANSITION ALT: 4000 '	AD ELEV:	838 '/255m
	TRANSITION HGT: (970)	THR ELEV:	820 '/250.0m



Alt set: -QNH(QFE on req);
-hPa(mm on req).

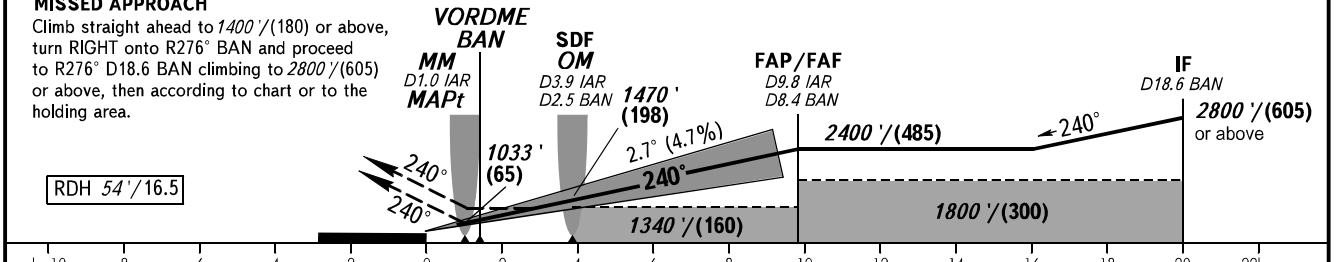
BEARINGS AND TRACKS ARE MAGNETIC
ALTITUDES IN *FEET*
HEIGHTS IN METRES
ELEVATIONS IN *FEET* AND METRES
DISTANCES IN KILOMETRES

❶ 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).

DME BAN	2.0	4.0	6.0	8.0
ALTITUDE/HEIGHT	*1400 '*/(177)	*1710 '*/(272)	*2020 '*/(366)	*2320 '*/(458)

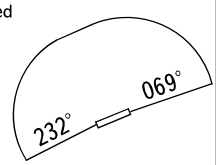
MISSED APPROACH
Climb straight ahead to *1400 '*/(180) or above, turn RIGHT onto R276° BAN and proceed to R276° D18.6 BAN climbing to *2800 '*/(605) or above, then according to chart or to the holding area.

RDH *54 '*/16.5



OCA(H)			A	B	C	D
Straight-in Approach	CAT I		*968 '(148 ')* (46)	*978 '(158 ')* (49)	*988 '(168 ')* (52)	*1000 '(180 ')* (55)
	LOC	With SDF	*1160 '(340 ')* (105)	*1160 '(340 ')* (105)	*1160 '(340 ')* (105)	*1160 '(340 ')* (105)
		WO SDF	*1340 '(520 ')* (160)	*1340 '(520 ')* (160)	*1340 '(520 ')* (160)	*1340 '(520 ')* (160)
Circling			*1240 '(400 ')* (125)	*1500 '(660 ')* (205)	*1870 '(1030 ')* (315)	*1870 '(1030 ')* (315)

WARNING:
1. Visual manoeuvring south of AD is PROHIBITED.
2. MAPt at MM. Timing not authorized for defining MAPt.
3. Turn before passing VORDME BAN is PROHIBITED.
4. Zero range of DME IAR is indicated at RWY 24 THR.



GROUND SPEED	km/h	150	180	210	240	270	300	330	360	390	420	450
RATE OF DESCENT	m/s	2.0	2.4	2.7	3.1	3.5	3.9	4.3	4.7	5.1	5.5	5.9
	ft/min	385	463	540	617	694	771	848	925	1002	1079	1156

CHANGE: OCA(H), UNP380, UNP381, UNP387