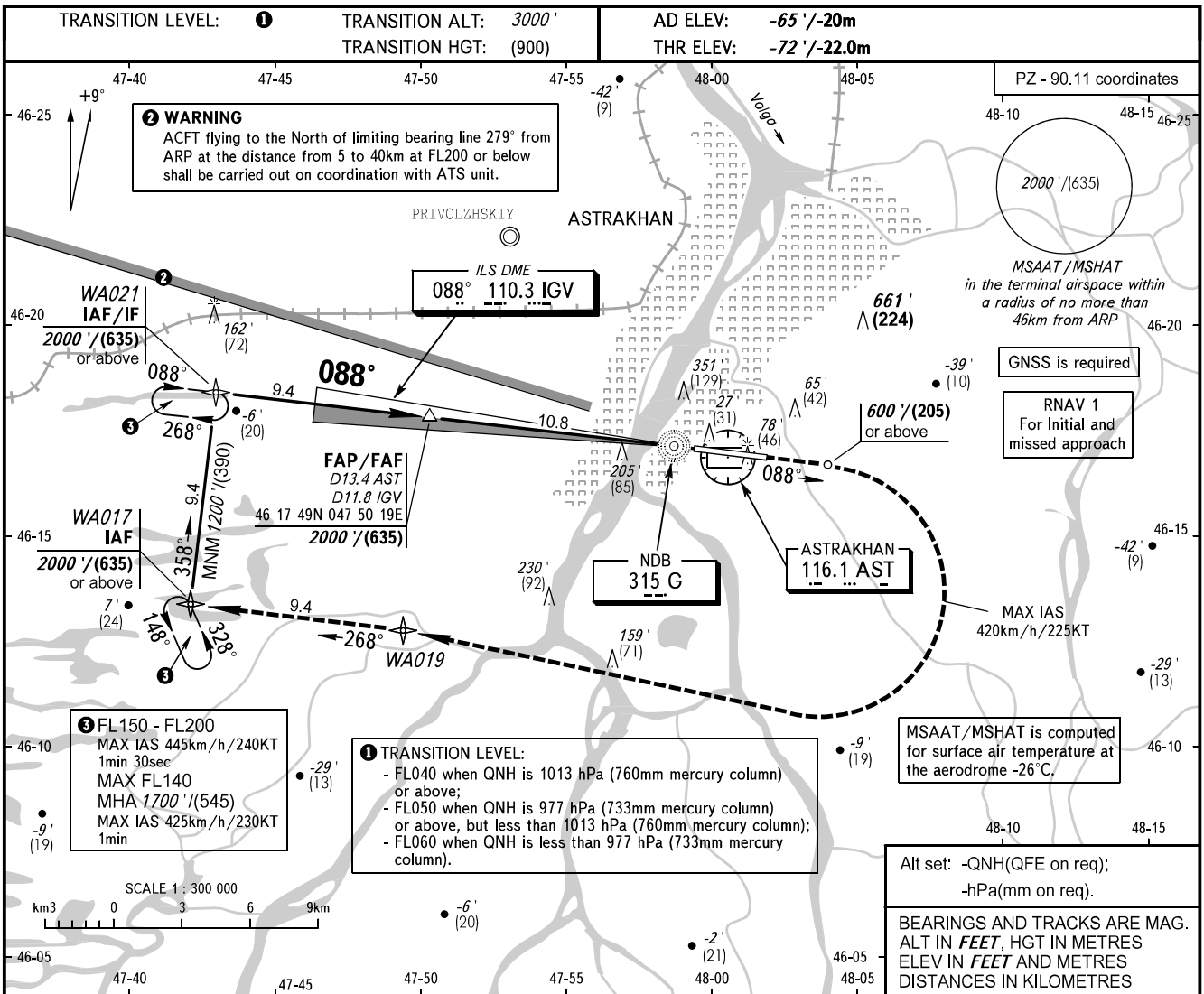


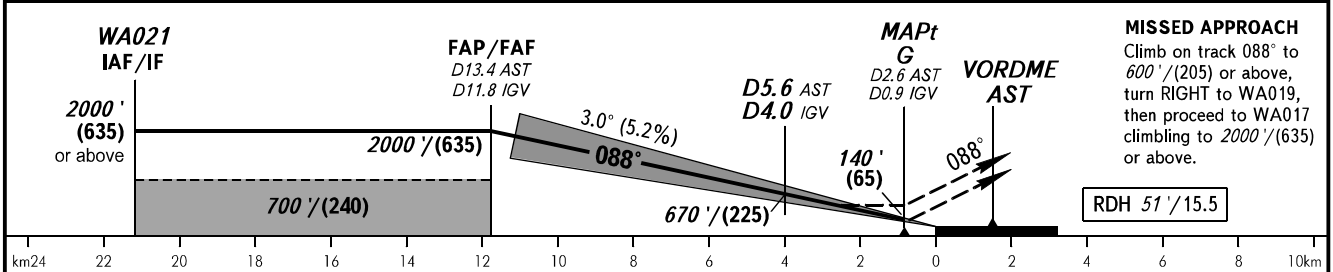
**INSTRUMENT
APPROACH
CHART - ICAO**

RADAR	120.600
TOWER	118.600

ASTRAKHAN, RUSSIA
ASTRAKHAN
ILS Z CAT I, LOC Z RWY 09



DME IGW	10.0	8.0	6.0	4.0	2.0
ALTITUDE/HEIGHT	1690' / (540)	1350' / (435)	1010' / (330)	670' / (225)	320' / (120)



OCA(H)		A	B	C	D
Straight-in	CAT I	128' (200') 39 (60)	128' (200') 39 (60)	128' (200') 39 (60)	128' (200') 39 (60)
	LOC	350' (430') 110 (130)	350' (430') 110 (130)	350' (430') 110 (130)	350' (430') 110 (130)
Circling		380' (450') 120 (140)	500' (570') 155 (175)	600' (670') 185 (205)	630' (700') 195 (215)

NOTE:
1. MAPt at NDB G. Timing not authorized for defining MAPt.
2. ILS DME IGW reads zero at RWY 09 THR.
3. Visual manoeuvring north of aerodrome is PROHIBITED.

GROUND SPEED	km/h	150	180	210	240	270	300	330	360
	kt	81	97	113	130	146	162	178	195
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