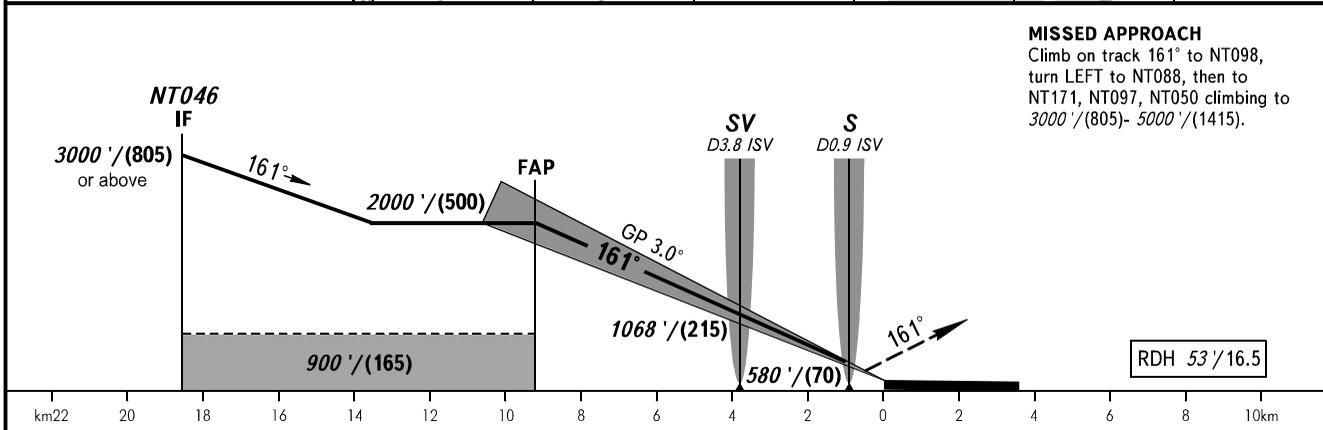
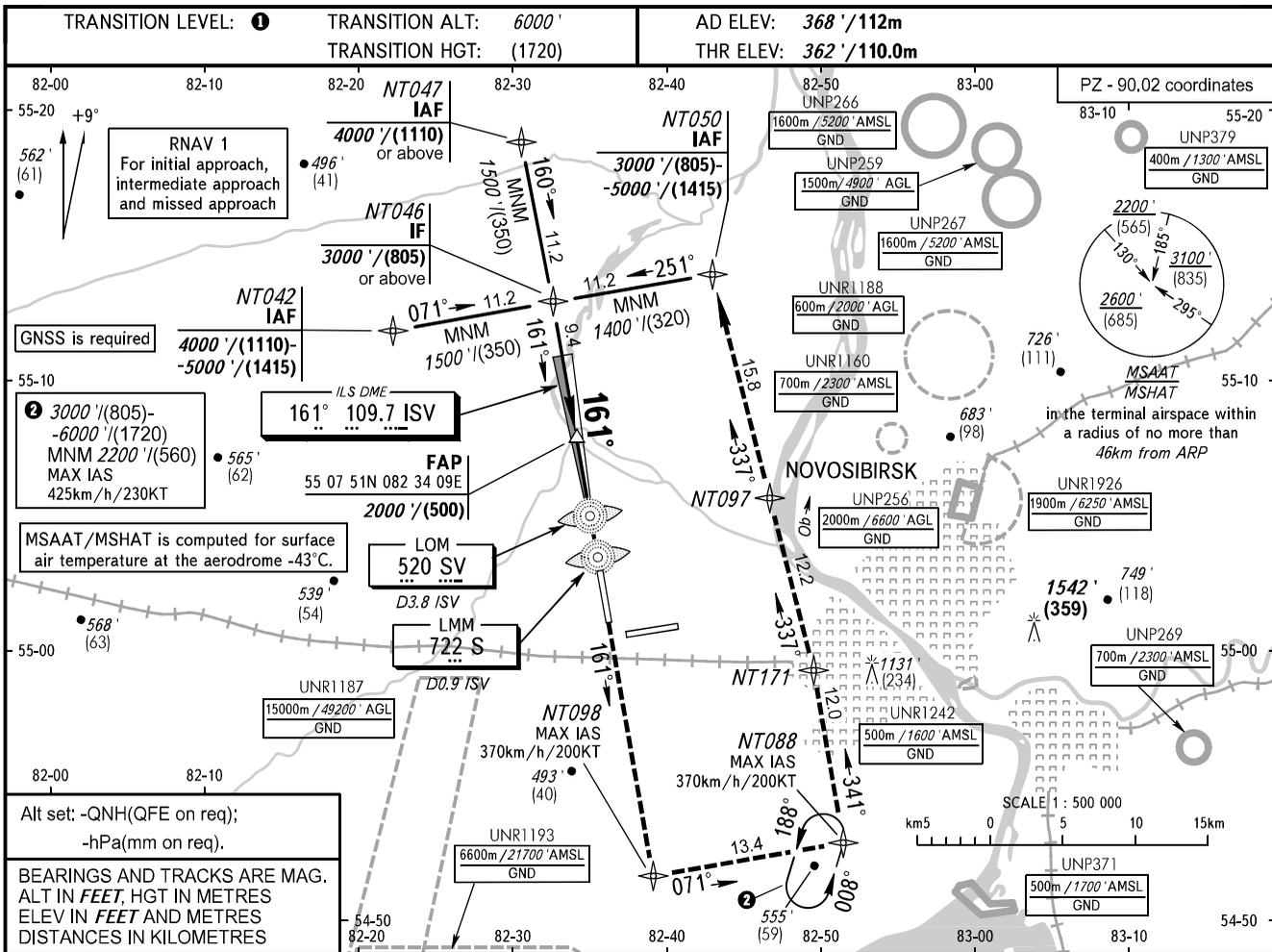


**INSTRUMENT  
APPROACH  
CHART - ICAO**

RADAR **122.000**  
TOWER **126.700**

**NOVOSIBIRSK, RUSSIA  
TOLMACHEVO  
ILS Z CAT I/II RWY 16**



OCA(H)		A	B	C	D
Straight-in Approach	CAT I	545' (183') (56)	554' (192') (59)	564' (202') (62)	574' (212') (65)
	CAT II	455' (93') (29)	471' (109') (34)	486' (124') (38)	499' (137') (42)

**1** TRANSITION LEVEL:  
 - FLO70 when QNH is 1013 hPa (760mm mercury column) or above;  
 - FLO80 when QNH is 977 hPa (733mm mercury column) or above, but less than 1013 hPa (760mm mercury column);  
 - FLO90 when QNH is less than 977 hPa (733mm mercury column).  
**WARNING**  
 ILS DME ISV reads zero at RWY 16 THR.

GROUND SPEED	km/h	150	180	210	240	270	300	330	360	390	420	450
	kt	81	97	113	130	146	162	178	194	211	227	243
RATE OF DESCENT	m/s	2.2	2.6	3.0	3.5	3.9	4.3	4.8	5.2	5.6	6.1	6.5
	ft/min	427	512	597	682	768	853	938	1024	1109	1194	1280

CHANGE: UNP379