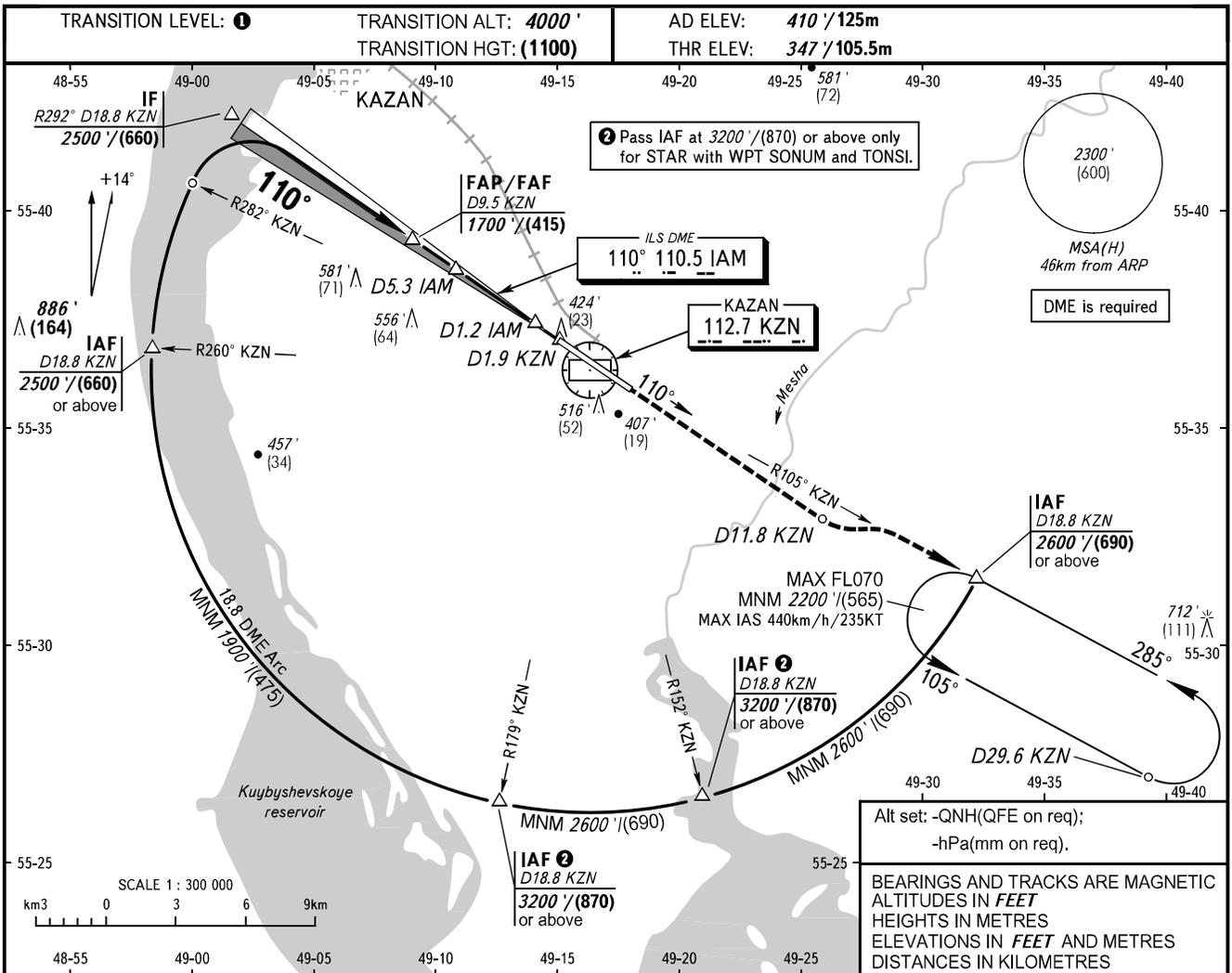


**INSTRUMENT  
APPROACH  
CHART - ICAO**

RADAR **119.400**  
START **120.300**

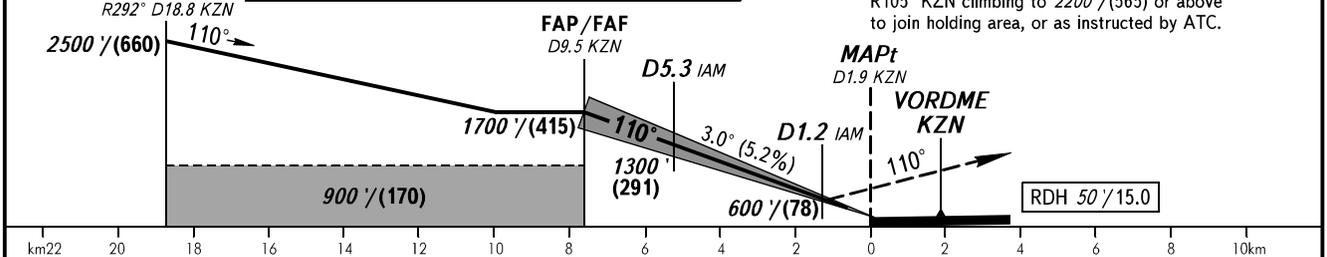
**KAZAN, RUSSIA**  
KAZAN  
ILS Z CAT I/II, LOC Z RWY 11



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

DME KZN	9.5	8.0	6.0
ALTITUDE/HEIGHT	1700'/(415)	1450'/(340)	1100'/(230)



**MISSED APPROACH**  
Climb on track 110° to D11.8 KZN, turn LEFT to intercept R105° KZN climbing to 2200'/(565) or above to join holding area, or as instructed by ATC.

**WARNING:**  
1. ILS DME IAM reads zero at RWY 11 THR.  
2. MAPt at D1.9 KZN. Timing not authorized for defining MAPt.

**NOTE**  
Visual manoeuvring to the north of the AD is PROHIBITED.

OCA(H)		A	B	C	D
Straight-in Approach	CAT I	555' (208') (64)	565' (218') (67)	575' (228') (70)	585' (238') (73)
	CAT II	467' (120') (37)	483' (136') (42)	496' (149') (46)	509' (162') (50)
	LOC	677' (330') (105)	677' (330') (105)	677' (330') (105)	677' (330') (105)
Circling		820' (410') (125)	910' (500') (155)	1010' (600') (185)	1100' (690') (215)

GROUND SPEED	km/h	150	180	210	240	270	300	330	360	390	420	450
	kt	80	100	110	130	145	160	180	195	210	225	240
RATE OF DESCENT	m/s	2.2	2.6	3.1	3.5	3.9	4.4	4.8	5.2	5.7	6.1	6.5
	ft/min	430	516	602	688	774	860	946	1032	1118	1204	1290

CHANGE: 2