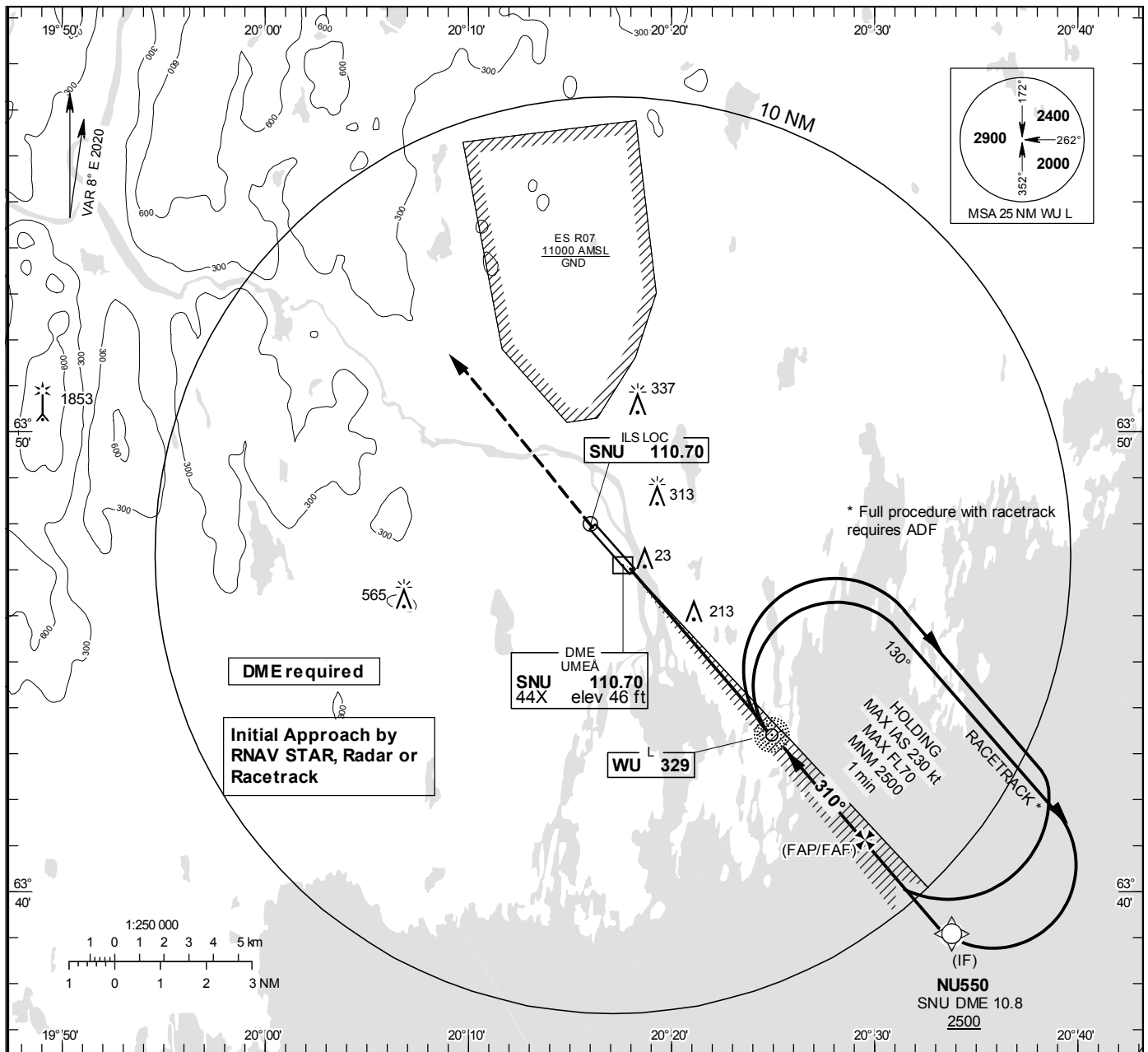


ILS y or LOC y RWY 32

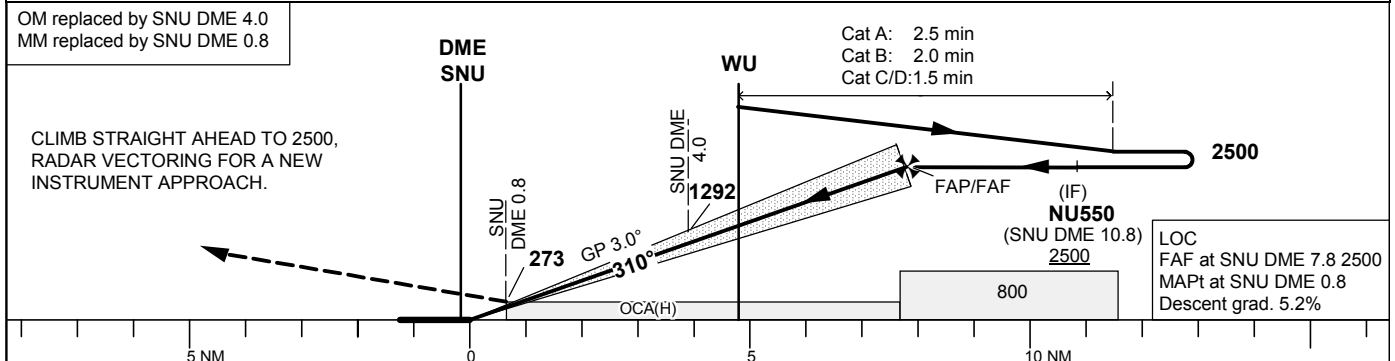
UMEA TOWER 119.805

THR ELEV 17.3 ft, AD ELEV 25 ft
 OCH are related to THR.
 Circling OCH are related to AD ELEV.
 BRG are MAG
 ALT, HGT and ELEV in ft.

**INSTRUMENT
 APPROACH
 CHART – ICAO**



TA 5000 ft AMSL RDH 53.8 ft Max speed within racetrack 220 kt IAS *Timing not authorized for defining the MAPt



Cat of ACFT	OCA (H)				Final approach							
	A	B	C	D	DME SNU NM	7	6	5	4	3	2	
Straight-in Approach	Cat I	161 (144)	169 (152)	180 (163)	188 (171)	7	6	5	4	3	2	
	LOC	470 (453)				2248	1929	1611	1292	974	655	
Circling		630 (605)	650 (625)	980 (955)	980 (955)	GS	80	100	120	140	160	180
						Time	5:15	4:12	3:30	3:00	2:37	2:20
						Rate of descent	425	530	635	745	850	955