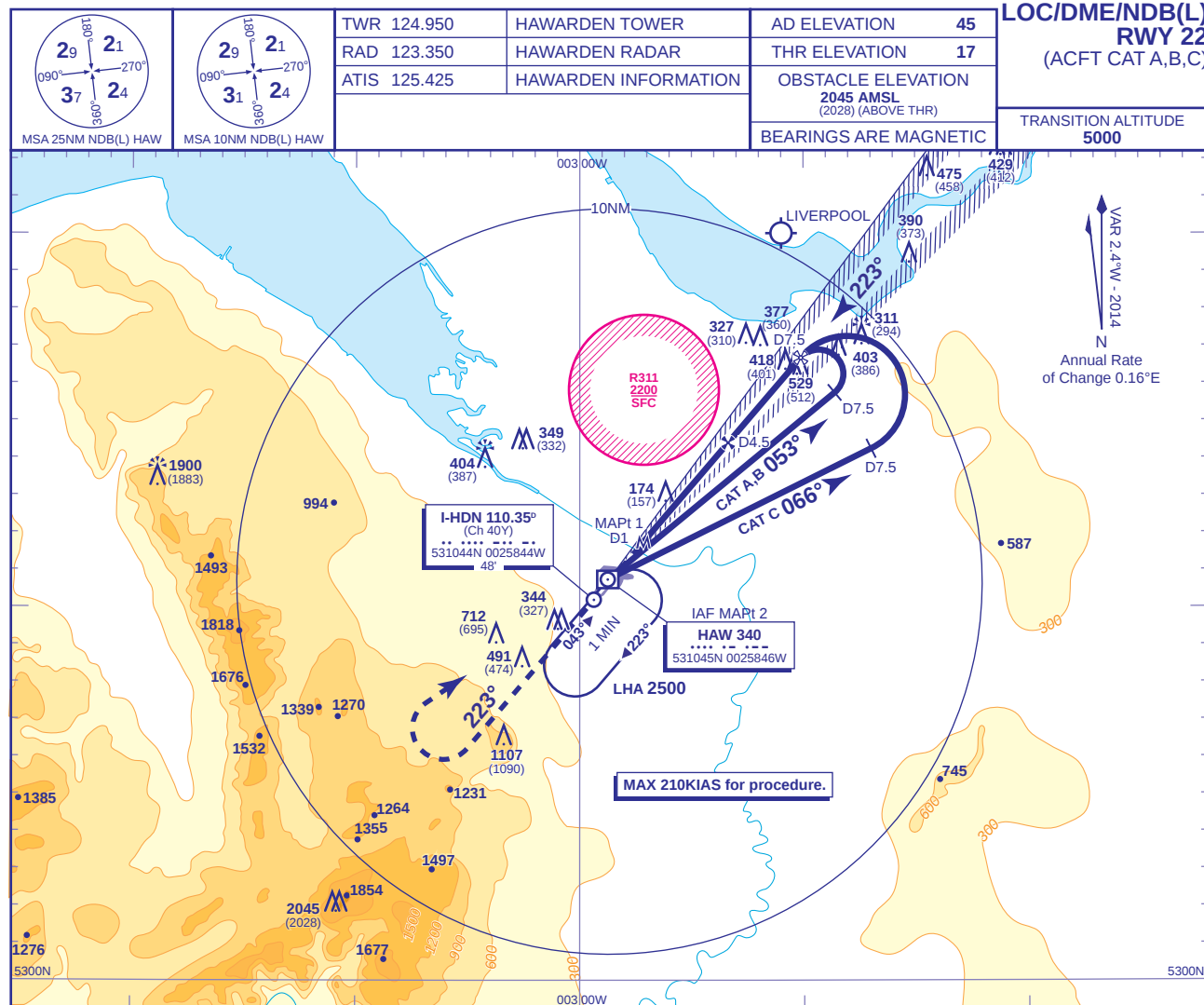
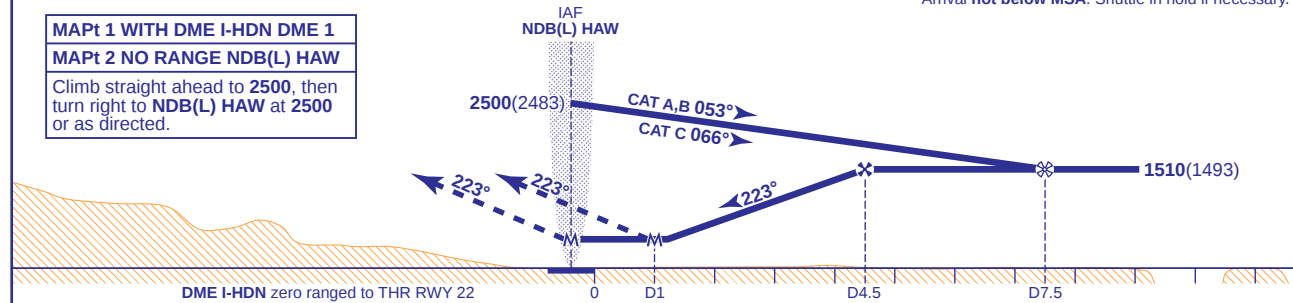


HAWARDEN
LOC/DME/NDB(L)
RWY 22
(ACFT CAT A,B,C)



RECOMMENDED PROFILE Gradient 5.2%, 320FT/NM			
DME I-HDN	4	3	2
ALT(HGT)	1350(1333)	1030(1013)	710(693)

Arrival not below MSA. Shuttle in hold if necessary.



Aircraft Category			A	B	C	Rate of descent	G/S KT	160	140	120	100	80
OCA (OCH)	No DME radar range only	2.5% Climb	680(663)	680(663)	680(663)			FT/MIN	860	750	640	530
		3% Climb	560(543)	560(543)	560(543)							
		4% Climb	450(433)	450(433)	450(433)							
	With DME	2.5% Climb	450(433)	450(433)	450(433)							
	No DME or radar range	830(813)	830(813)	830(813)								
VM(C)OCA (OCH AAL)	Total Area		800(755)	900(855)								
	East of RWY 04/22		700(655)	800(755)	1500(1455)							

AIRCRAFT UNABLE TO RECEIVE RANGE INFORMATION
CAT A fly outbound for 3 MIN, CAT B 2.5 MIN and CAT C 2 MIN.

CHANGE (5/14): MAG VAR. PROCEDURE. COM. OBSTACLES.