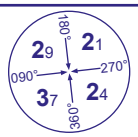
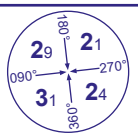
INSTRUMENT APPROACH CHART - ICAO

HAWARDEN NDB(L)/DME RWY 04

(ACFT CAT A,B,C)



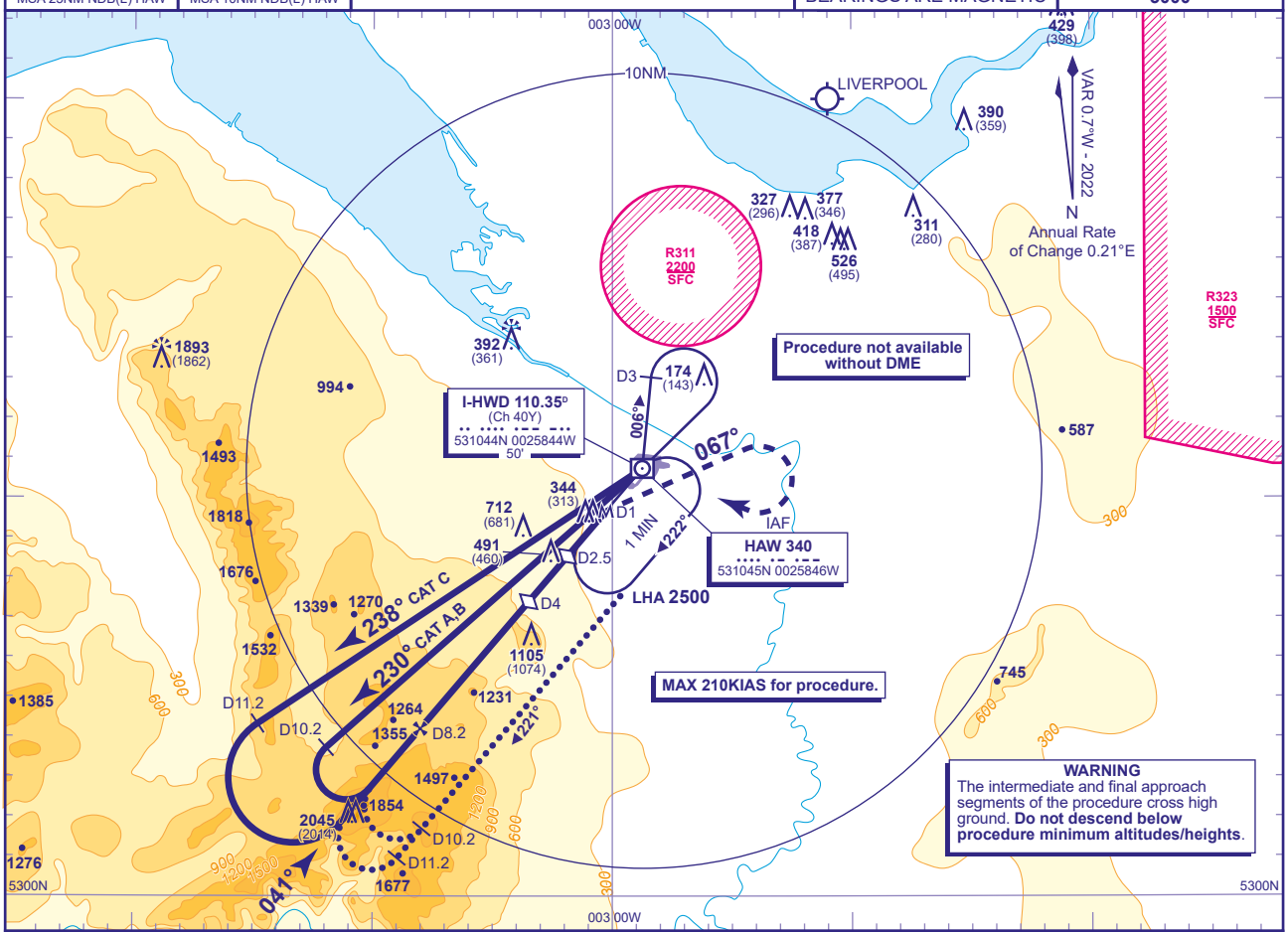
MSA 25NM NDB(L) HAW



MSA 10NM NDB(L) HAW

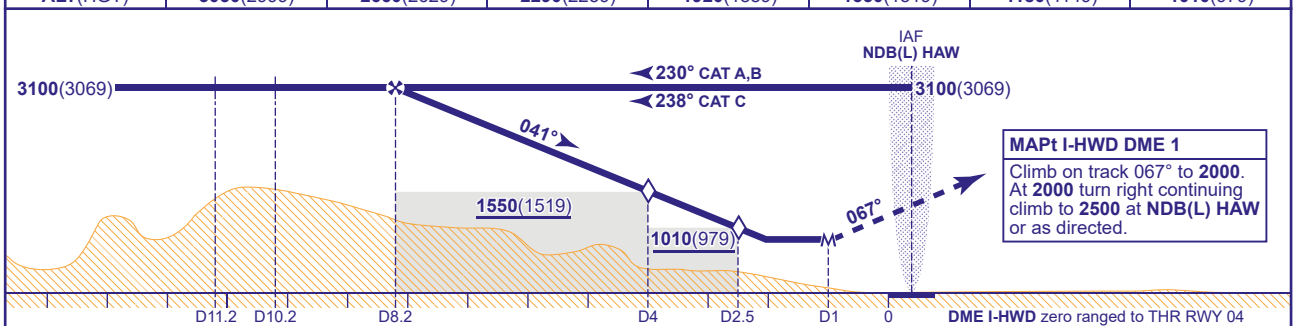
TWR 124.955	HAWARDEN TOWER	AD ELEVATION	45
RAD 120.055, 130.015*	HAWARDEN RADAR	THR ELEVATION	31
ATIS 125.430	HAWARDEN INFORMATION	OBSTACLE ELEVATION 2045 AMSL (2014) (ABOVE THR)	
*As directed by ATC, Not continuously monitored		BEARINGS ARE MAGNETIC	

TRANSITION ALTITUDE **5000**



RECOMMENDED PROFILE Gradient 6.1%, 370FT/NM

DME I-HWD	8	7	6	5	4 (SDF)	3	2.5 (SDF)
ALT(HGT)	**3030**(2999)	**2660**(2629)	**2290**(2259)	**1920**(1889)	**1550**(1519)	**1180**(1149)	**1010**(979)



Aircraft Category		A	B	C
OCA (OCH)	Procedure	**830**(799)	**830**(799)	**830**(799)
VM(C)OCA (OCH AAL)	Total Area	**800**(755)	**900**(855)	
	East of RWY 04/22	**700**(655)	**800**(755)	**1500**(1455)

Rate of descent	G/S KT	160	140	120	100	80
	FT/MIN	980	860	740	610	490

ALTERNATIVE PROCEDURE
Overhead NDB(L) HAW at **3100**(3069) turn right and continue outbound on track 221°. At I-HWD DME 10.2 (CAT A,B) or I-HWD DME 11.2 (CAT C) commence right turn to establish on the extended FAT. When established continue as for basic procedure. Remain within I-HWD DME 15.

NOTE Reversal baseturn from NDB(L) HAW outbound on QDR 006° to I-HWD DME 3 (1 MIN).

CHANGE (2/25): EGR323 ADDED.