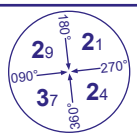
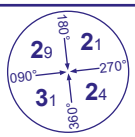
INSTRUMENT APPROACH CHART - ICAO

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



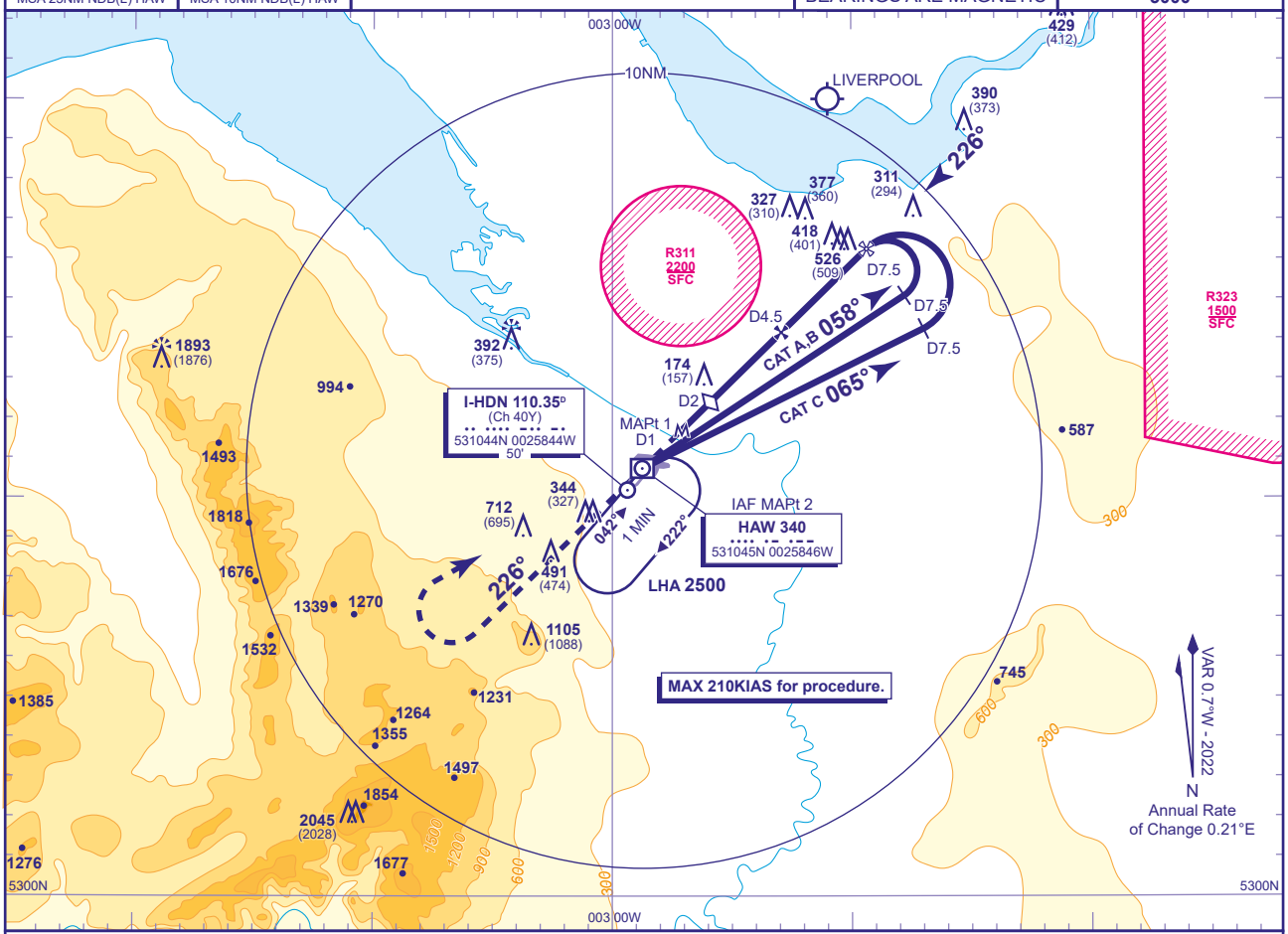
MSA 25NM NDB(L) HAW



MSA 10NM NDB(L) HAW

TWR 124.955	HAWARDEN TOWER	AD ELEVATION	45
RAD 120.055, 130.015*	HAWARDEN RADAR	THR ELEVATION	17
ATIS 125.430	HAWARDEN INFORMATION	OBSTACLE ELEVATION 2045 AMSL (2028) (ABOVE THR)	
*As directed by ATC, Not continuously monitored		BEARINGS ARE MAGNETIC	

TRANSITION ALTITUDE **5000**

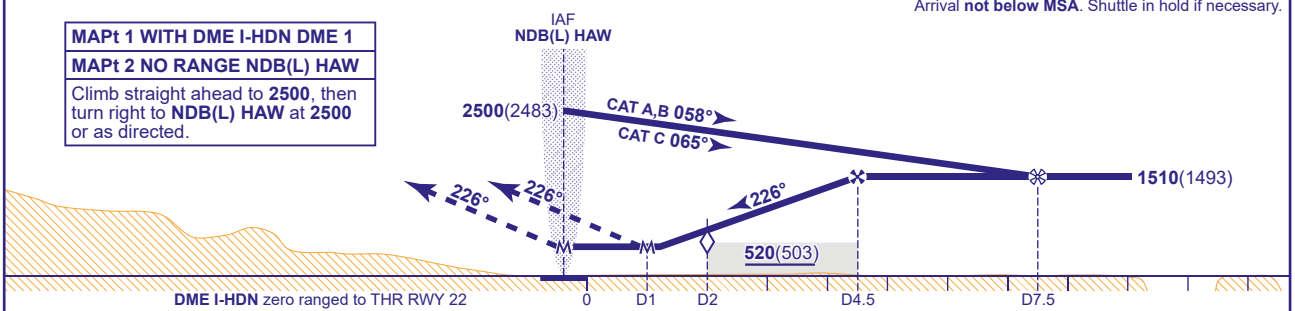


RECOMMENDED PROFILE Gradient 5.2%, 320FT/NM

DME I-HDN	4	3	2 **(SDF)**
ALT(HGT)	**1350**(1333)	**1030**(1013)	**710**(693)

Arrival **not below MSA**. Shuttle in hold if necessary.

MAPt 1 WITH DME I-HDN DME 1
MAPt 2 NO RANGE NDB(L) HAW
Climb straight ahead to **2500**, then turn right to **NDB(L) HAW** at **2500** or as directed.



Aircraft Category		A	B	C
OCA (OCH)	With DME 2.5% Climb	**500**(483)	**500**(483)	**500**(483)
	With DME 3% Climb	**450**(433)	**450**(433)	**450**(433)
	Radar range only	**640**(623)	**640**(623)	**640**(623)
	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)

Rate of descent					
G/S KT	160	140	120	100	80
FT/MIN	860	750	640	530	430

AIRCRAFT UNABLE TO RECEIVE DME I-HDN
Advise ATC. Subject to ATC approval, radar ranges will be provided at 7.5NM outbound and at 4.5NM inbound.

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

NOTE FAT is offset 4° from RWY C/L and crosses RWY C/L nominally 0.75NM before THR.

CHANGE (2/25): EGR323 ADDED.