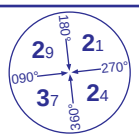
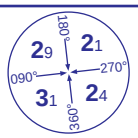
INSTRUMENT APPROACH CHART - ICAO

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



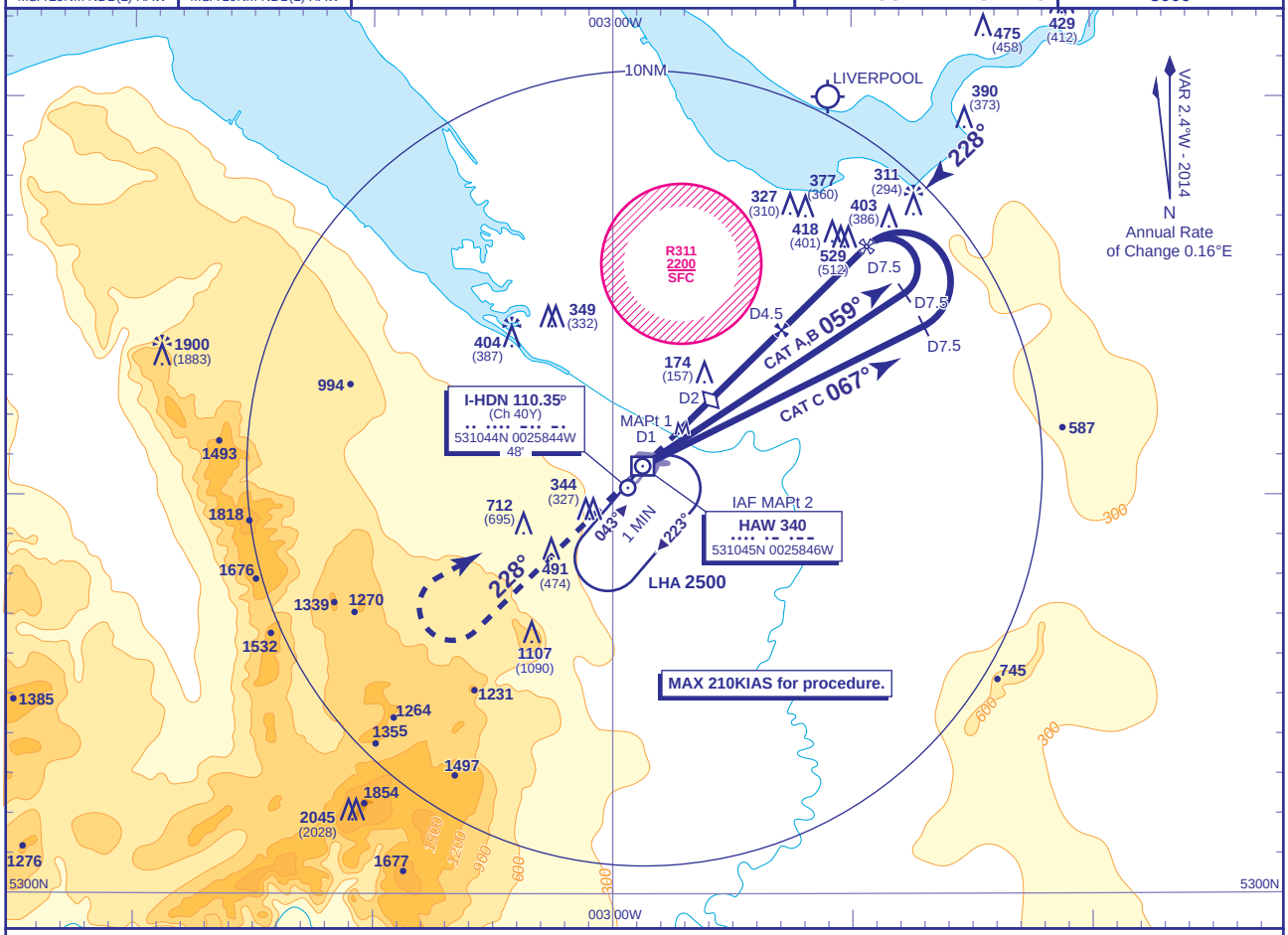
MSA 25NM NDB(L) HAW



MSA 10NM NDB(L) HAW

TWR 124.950	HAWARDEN TOWER	AD ELEVATION	45
RAD 123.350	HAWARDEN RADAR	THR ELEVATION	17
ATIS 125.425	HAWARDEN INFORMATION	OBSTACLE ELEVATION **2045 AMSL** (2028) (ABOVE THR)	
		BEARINGS ARE MAGNETIC	

TRANSITION ALTITUDE **5000**

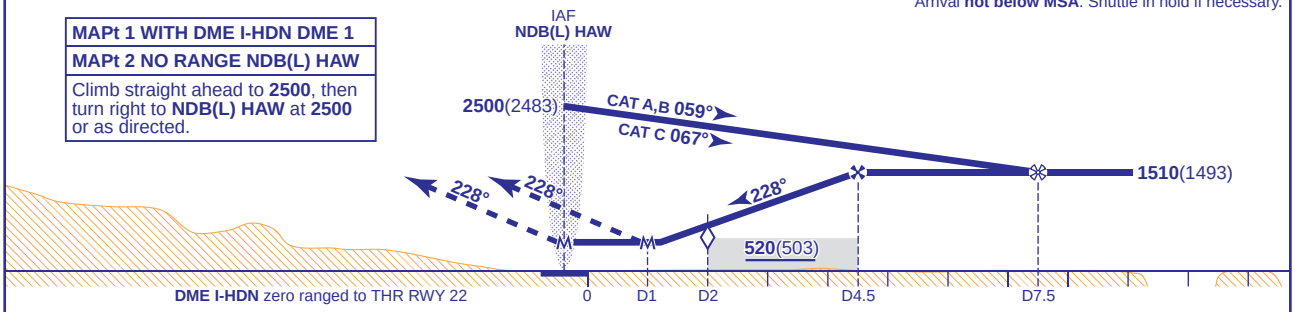


RECOMMENDED PROFILE Gradient 5.2%, 320FT/NM

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 (5/14): MAG VAR. HOLD. CAT A,B OUTBOUND. COM. OBSTACLES.

AERO INFO DATE 18 FEB 14