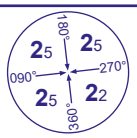
INSTRUMENT APPROACH CHART - ICAO

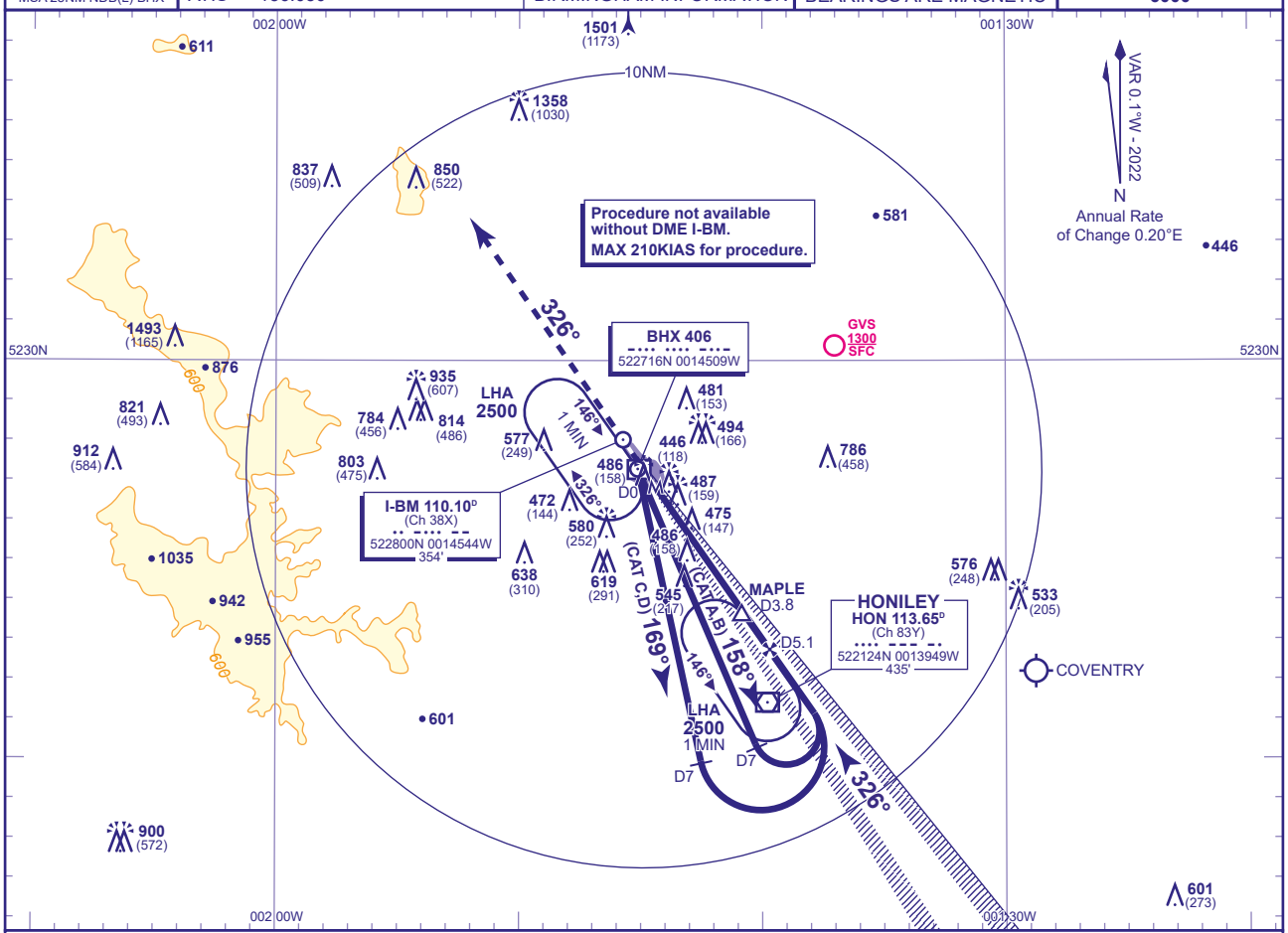
BIRMINGHAM LOC/DME/NDB(L) RWY 33
(ACFT CAT A,B,C,D)



MSA 25NM NDB(L) BHX

APP	123.980, 131.005	BIRMINGHAM APPROACH	AD ELEVATION	339
TWR	118.305	BIRMINGHAM TOWER	THR ELEVATION	328
	121.805	BIRMINGHAM GROUND	OBSTACLE ELEVATION	
RAD	123.980, 131.330	BIRMINGHAM RADAR	1501 AMSL (1173) (ABOVE THR)	
ATIS	136.030	BIRMINGHAM INFORMATION	BEARINGS ARE MAGNETIC	

TRANSITION ALTITUDE **6000**

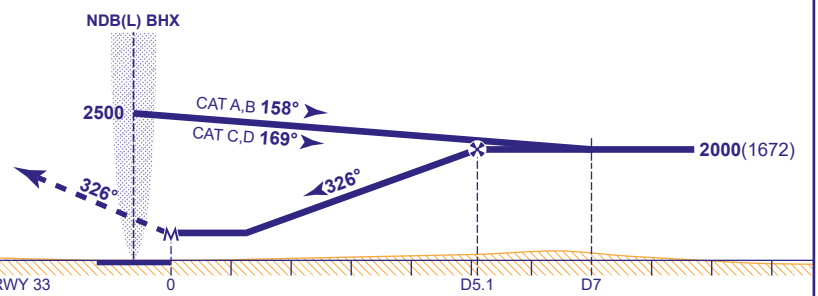


RECOMMENDED PROFILE Gradient 5.24%, 320FT/NM

DME I-BM	5	4	3	2
ALT(HGT)	**1970**(1642)	**1660**(1332)	**1340**(1012)	**1020**(692)

MAPt I-BM DME ZERO (THR RWY 33)

Climb straight ahead to **3000**, then as directed by ATC.



Aircraft Category		A	B	C	D
OCA (OCH)	Procedure	**740**(412)	**740**(412)	**740**(412)	**740**(412)
VM(C)OCA (OCH AAL)	Total Area	**810**(471)	**920**(581)	**1080**(741)	**1310**(971)

Rate of descent					
G/S KT	160	140	120	100	80
FT/MIN	850	740	640	530	420

ALTERNATIVE PROCEDURE FROM EXTENDED MAPLE HOLD
Overhead MAPLE at **2500**. Extend the outbound leg of the MAPLE holding pattern to **2000**(1672). At I-BM DME 7 turn left onto LOC. When established continue as for main procedure.

CHANGE (13/20): MAG VAR. MAG TRACKS. CAT D VM(C) OCA (OCH AAL). DIRECT ARRIVALS NOTE REMOVED. PAGE RENUMBERED.