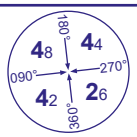
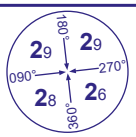
INSTRUMENT APPROACH CHART - ICAO

DUNDEE
RNP
RWY 09
(ACFT CAT A,B,C)



MSA 25NM NDB(L) DND

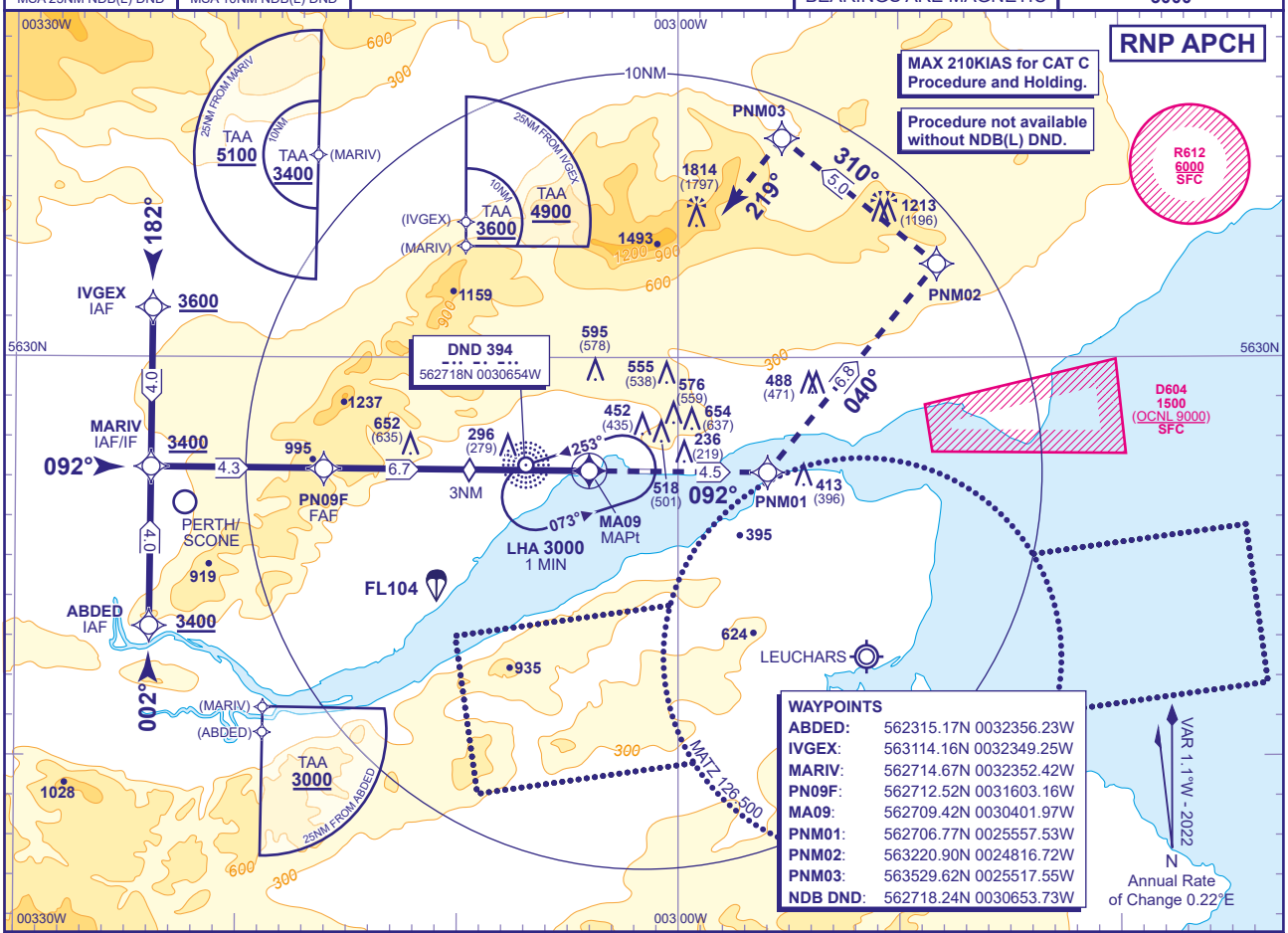


MSA 10NM NDB(L) DND

APP	122.905	DUNDEE APPROACH	
TWR	122.905	DUNDEE TOWER	
ATIS	119.330	DUNDEE INFORMATION	

AD ELEVATION	17
THR ELEVATION	17
OBSTACLE ELEVATION	1814 AMSL (1797) (ABOVE THR)
BEARINGS ARE MAGNETIC	

TRANSITION ALTITUDE **3000**



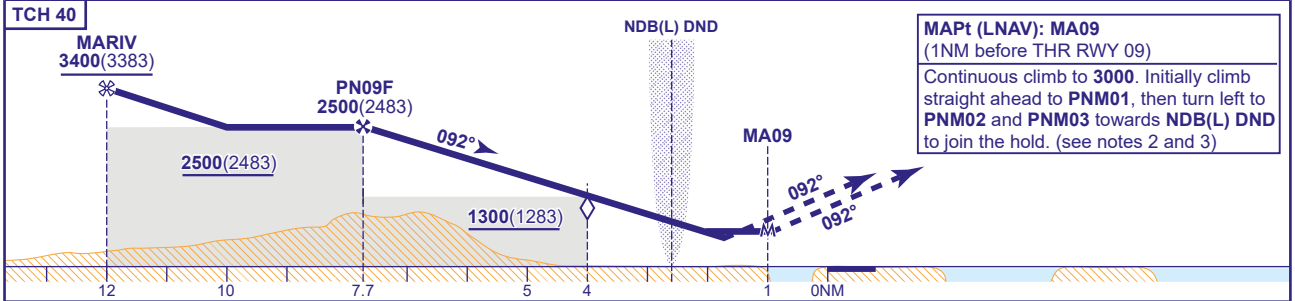
WAYPOINTS

ABDED:	562315.17N 0032356.23W
IVGEX:	563114.16N 0032349.25W
MARIV:	562714.67N 0032352.42W
PN09F:	562712.52N 0031603.16W
MA09:	562709.42N 0030401.97W
PNM01:	562706.77N 0025557.53W
PNM02:	563220.90N 0024816.72W
PNM03:	563529.62N 0025517.55W
NDB DND:	562718.24N 0030653.73W

RECOMMENDED PROFILE Gradient 5.24%, 318FT/NM

NM to MAPt (MA09)	7	6	5	4	3 (SDF)	2	1
ALT(HGT)	**2600**(2583)	**2290**(2273)	**1970**(1953)	**1650**(1633)	**1330**(1313)	**1010**(993)	**690**(673)

TCH 40



MAPt (LNAV): MA09
(1NM before THR RWY 09)

Continuous climb to **3000**. Initially climb straight ahead to **PNM01**, then turn left to **PNM02** and **PNM03** towards **NDB(L) DND** to join the hold. (see notes 2 and 3)

Aircraft Category		A	B	C
OCA (OCH) Climb Gradient	LNAV 2.5%	**690**(673)	**690**(673)	**690**(673)
	LNAV 3%	**550**(533)	**550**(533)	**550**(533)
VM(C)OCA (OCH AAL)	Total Area	**970**(953)	**970**(953)	**1170**(1153)
	South of RWY 09/27	**690**(673)	**750**(733)	**1080**(1063)

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

NOTE 1 NDB(L) DND is 2.6NM from THR RWY 09 and is offset 230M north of extended RWY C/L.
2 Missed approach MAX 185KIAS.
3 Missed approach reverts to conventional navigation to hold at NDB(L) DND.

CHANGE (1/24): MAG VAR AND ANNUAL RATE OF CHANGE. BEARINGS.