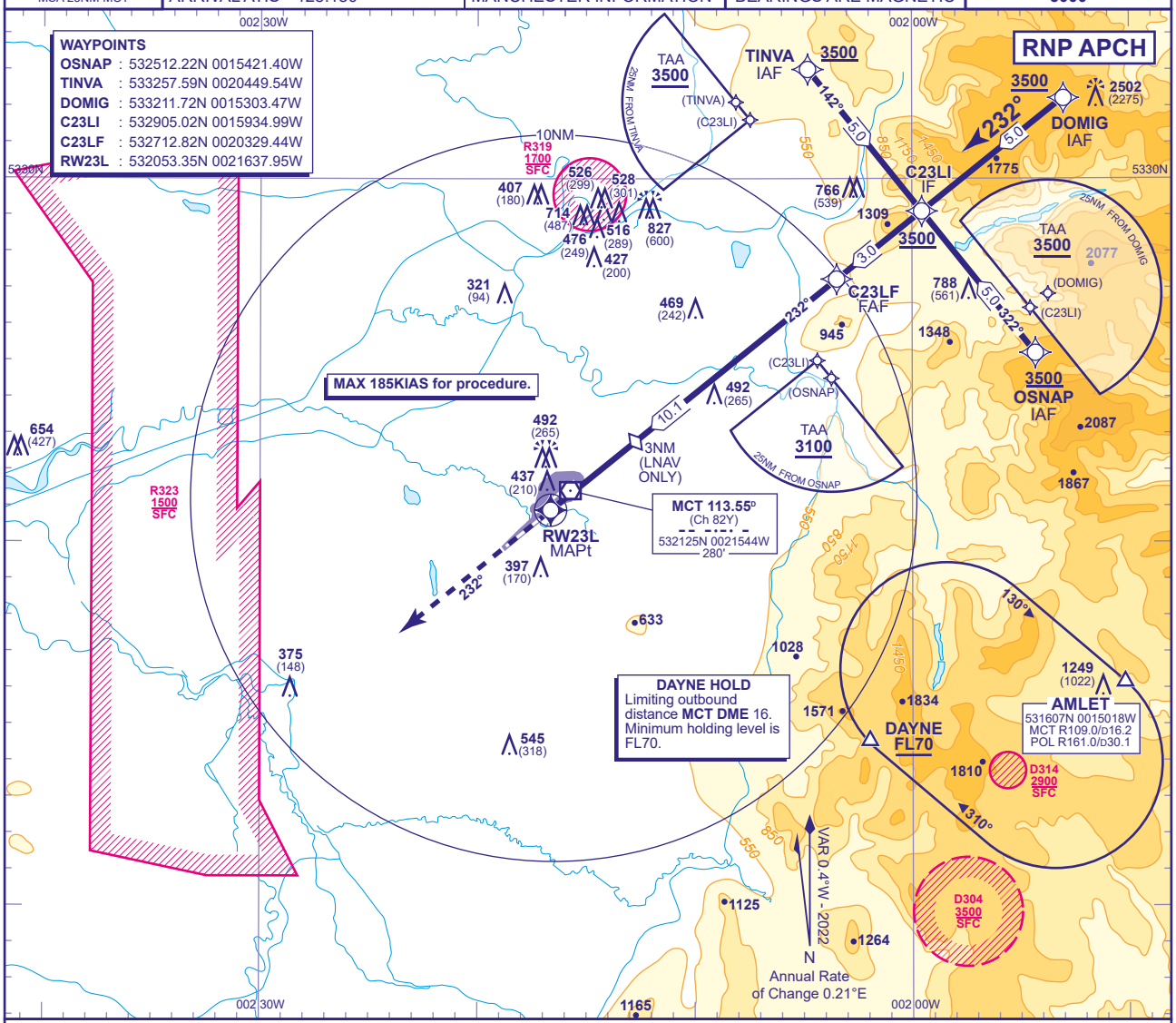
INSTRUMENT APPROACH CHART - ICAO

MANCHESTER RNP RWY 23L
(ACFT CAT A,B,C,D)

3 5 MSA 25NM MCT	APP	118.580, 135.005	MANCHESTER RADAR	AD ELEVATION	257
		121.355	MANCHESTER DIRECTOR	THR ELEVATION	227
	TWR	118.630, 119.405	MANCHESTER TOWER	OBSTACLE ELEVATION 2502 AMSL (2275) (ABOVE THR)	
		121.855, 121.705	MANCHESTER GROUND		
	ARRIVAL ATIS	128.180	MANCHESTER INFORMATION	BEARINGS ARE MAGNETIC	

MIN TEMP -15°C

TRANSITION ALTITUDE 5000



RECOMMENDED PROFILE VNAV VERTICAL PATH ANGLE 3.0°, 318FT/NM. **LNAV** Gradient 5.2%, 320FT/NM

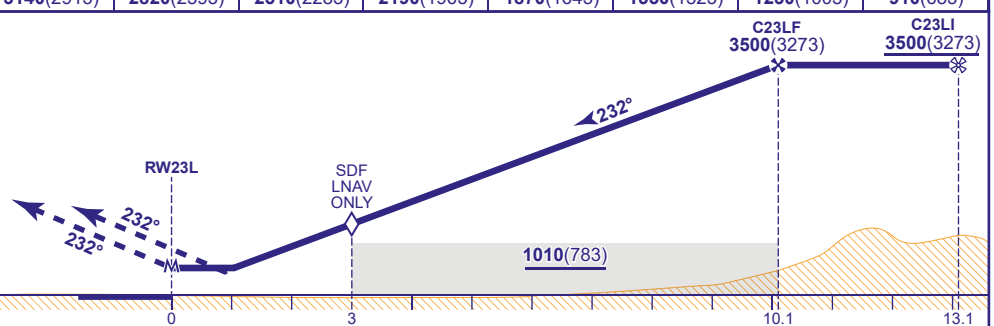
NM to RW23L	10	9	8	7	6	5	4	3(LNAV SDF)	2
ALT(HGT)	**3460**(3233)	**3140**(2913)	**2820**(2593)	**2510**(2283)	**2190**(1963)	**1870**(1643)	**1550**(1323)	**1230**(1003)	**910**(683)

TCH 50

MAPt (LNAV):RW23L

Climb straight ahead to **3500** continue as directed.

RCF: From VOR MCT DME 10 at **3500**, (if below **3500** continue climb in left turn to **3500**) turn left onto track 068° continuing climb to **FL70** to join the DAYNE hold.



Aircraft Category		A	B	C	D
OCA (OCH)	LNAV/VNAV	**680**(453)	**680**(453)	**680**(453)	**680**(453)
	LNAV	**680**(453)	**680**(453)	**680**(453)	**680**(453)
VM(C)OCA (OCH AAL)	Total Area	**790**(533)	**820**(563)	**1110**(853)	**1110**(853)

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

NOTE 1 Pilots should 'Request RNP Approach' on first contact with Manchester Radar.

CHANGE (8/25): TNT VOR RECALIBRATED. DAYNE HOLD REVISED. AMLET WAYPOINT VOR RADIALS REVISED.