

## ENR 4 RADIO NAVIGATION AIDS/SYSTEMS

## ENR 4.1 RADIO NAVIGATION AIDS – EN-ROUTE

Name of Station (VAR) (VOR: Declination)	ID	FREQ (CH)	Hours of Operation	Co-ordinates	ELEV DME antenna	Remarks
1	2	3	4	5	6	7
BALDONNEL DVOR/DME 3°W (2019) 3°W	BAL	115.8MHz CH 105X	H24	531759.6N 0062652.0W	300ft	BAL DVOR unusable in sector R150 to R170 below 5500 ft AMSL outside 20 NM due to terrain. Aircrew may observe BAL DME unlocks in sectors R150 to R175 and R195 to R205 below 4,500ft and outside 20NM due to terrain.
CLONMEL NDB	CML	387kHz	H24	522713.5N 0072848.2W		Range 50NM
CONNAUGHT DVOR/DME 4°W (2017) 4°W	CON	117.4MHz CH121X	H24	535428.9N 0084912.4W	600ft	100/500, 300/700 (180° T-360° T) with purpose A,T,E
CORK DVOR/DME 4°W (2018) 4°W	CRK	114.6MHz CH93 X	H24	515026.2N 0082939.4W	500ft	100/500, 300/700 (180° T-360° T) with purpose A,T,E
DONEGAL NDB	CFN	361kHz	H24	550238.4N 0082021.4W		DOC 25NM
COLLINSTOWN DVOR/DME 3°W (2017) 3°W	DAP	111.20MHz CH49X	H24	532525.2N 0061810.3W	300ft	DOC 150
DUBLIN DVOR/DME 3°W (2017) 3°W	DUB	114.9MHz CH 96 X	H24	532957.8N 0061825.6W	200ft	100/500, 300/700 (180° T-360° T) with purpose A,T,E
GLENTEIGE DME	GTG	114.15MHz CH 88Y	H24	525111.1N 0060843.9W	1000ft	E,T DOC 100NM except in Southwest sector max usable range at FL075 and below is 63NM
GORMONSTON NDB	GMN	334kHz	H24	533853.2N 0061336.0W		DOC 30NM. Operating Authority Minister for Defence
GORMONSTON DME	GMN	112.9MHz (CH 76X)	H24	533848.5N 0061405.7W	100ft	DOC 30NM. Operating Authority Minister for Defence
KERRY NDB	KER	334kHz	H24	521055.8N 0093128.2W		DOC 25NM
KILLINEY NDB	KLY	378kHz	H24	531610.4N 0060623.2W		DOC 50NM Aircraft may not obtain guidance beyond 45NM below 8000ft, in the sector between bearings 180° and 270° M.
MOHERCROM DME	MCM	114.4MHz CH 91X	H24	535437.2N 0065404.6W	1100ft	E,T DOC 100NM
SHANNON DVOR/DME 4°W (2017) 4°W	SHA	113.3MHz CH 80X	H24	524315.6N 0085306.8W	100ft	100/500, 300/700 (180° T-360° T) with purpose A,T,E

Note: All Radio Nav aids contained within the FRA area (See [ENR 2.2](#)) can be used for flight planning purposes

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1	2	3	4	5	6	7
WATERFORD NDB	WTD	368kHz	H24	521120.4N 0070500.0W		DOC 25NM
WOLFTRAP DME	WTP	116.3MHz CH 110X	H24	530545.2N 0073528.6W	1700ft	E,T DOC 100NM

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