

EDDL AD 2.19 Radio navigation and landing aids

Type of aid MAG VAR Type of supported OPS VOR/ILS/MLS declination	ID	Frequency/ Channel service provider RPI	Hours of operation	Position of transmitting antenna coordinates	Elevation of DME transmitting antenna	Service volume radius GBAS	Remarks
1	2	3	4	5	6	7	8
Barmen DVOR/DME (2° E/2023)	BAM	114.00 MHz CH87x	H24	N 51 19 39.93 E 007 10 37.14	865	-	Operational coverage sector 292°–338°: 60 NM, 50000 ft MSL sector 338°–292°: 40 NM, 50000 ft MSL The DVOR may only be used for the radials in the published en-route, approach and departure procedures and is not permitted for area navigation. DME unusable in sector 050°–170°: below 0 – 10 NM 3200 ft MSL 10 – 20 NM 5700 ft MSL 20 – 30 NM 8300 ft MSL 30 – 40 NM 11000 ft MSL DME unusable in sector 170°–050°: below 0 – 10 NM 2300 ft MSL 10 – 20 NM 3200 ft MSL 20 – 30 NM 4600 ft MSL 30 – 40 NM 6100 ft MSL
Cola DVOR/DME (1° E/2012)	COL	108.80 MHz CH25x	H24	N 50 47 00.70 E 007 35 39.03	968	-	Operational coverage sector 225°–315°: 60 NM, FL 250 sector 315°–225°: 40 NM, FL 250 The DVOR may only be used for the radials in the published en-route, approach and departure procedures and is not permitted for area navigation. DME unusable in sector 225°–315°: below 0 – 10 NM 2000 ft MSL 10 – 20 NM 3500 ft MSL 20 – 30 NM 5000 ft MSL 30 – 40 NM 6600 ft MSL 40 – 50 NM 8400 ft MSL 50 – 60 NM 10300 ft MSL DME unusable in sector 315°–225°: below 0 – 10 NM 2000 ft MSL 10 – 20 NM 3500 ft MSL 20 – 30 NM 5000 ft MSL 30 – 40 NM 6600 ft MSL
Duesseldorf DVOR/DME (2° E/2024)	DUS	115.15 MHz CH98y	H24	N 51 16 59.48 E 006 45 13.41	139	-	Operational coverage sector 0°–360°: 40 NM, FL 250 The VOR may only be used for the radials in the published en-route, approach and departure procedures and is not permitted for area navigation. A rough course structure can be expected on all radials. DME unusable in sector 0°–360°: below 0 – 5 NM 500 ft MSL 5 – 10 NM 1200 ft MSL 10 – 20 NM 2500 ft MSL 20 – 30 NM 3800 ft MSL 30 – 40 NM 5400 ft MSL