

EDLV 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
<b>Hamm</b> DVOR/DME (1° E/2012)	HMM	115.65 MHz CH103y	H24	N 51 51 24.72 E 007 42 29.86	217	-	Operational coverage sector 112°–157°: 60 NM, 50000 ft MSL sector 157°–112°: 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. In addition, the DME can be used for the published procedures. DME unusable in sector 0°–360°: below 0 – 10 NM 1400 ft MSL 10 – 20 NM 2700 ft MSL 20 – 30 NM 4200 ft MSL 30 – 40 NM 5800 ft MSL DME unusable in sector 112°–157°: below 40 – 50 NM 7500 ft MSL 50 – 60 NM 9400 ft MSL
<b>Lima</b> NDB	LMA	311.00 KHz	H24	N 51 22 15.29 E 006 23 41.73		-	Operational range sector 0°–360°: 25 NM NDB unusable: in sector from station 0°–360° 15 NM
<b>Niederrhein</b> ILS 27 (CAT III) LOC (2° E/2024)	INIW	110.70 MHz	H24	N 51 36 10.73 E 006 07 05.77		-	Usable: Up to 10.4 NM in the area 031°(L)/034°(R) in relation to RCL MIN interception altitude: 1410 ft MSL. From 10.4 NM to 17 NM in the area 031°(L)/034°(R) in relation to RCL MIN interception altitude: 2100 ft MSL. From 17 NM to 25 NM in the area 005°(L)/ 010°(R) in relation to RCL MIN interception altitude: 2100 ft MSL.
GP	-	330.20 MHz	H24	N 51 36 11.98 E 006 09 20.06		-	
OM	dashes	75.00 MHz	H24	N 51 35 58.56 E 006 15 58.76		-	4.05 NM THR 27
MM	dot- dash	75.00 MHz	H24	N 51 36 06.06 E 006 10 22.25		-	0.49 NM THR 27
<b>Niederrhein</b> DME	NID	CH102x (115.50 MHz *)	H24	N 51 35 59.88 E 006 08 29.33	142	-	Operational coverage sector 0°–360°: 25 NM, FL 100 * Ghost frequency
<b>Niederrhein</b> NDB	LAA	352.00 KHz	H24	N 51 36 06.07 E 006 10 21.72		-	Operational range sector 0°–360°: 23 NM above MVA
<b>Rekken</b> DME	RKN	CH115x (116.80 MHz *)	H24	-	-	-	for further details see AIP NETHERLANDS * Ghost frequency