

EDDM 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										
Maisach DVOR/DME (2° E/2012)	MAH	115.20 MHz CH99x	H24	N 48 15 48.35 E 011 18 42.93	1770	-	Operational coverage sector 0°–360°: 50 NM, 50000 ft MSL The DVOR may only be used for the radials in the published enroute, 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 <table border="1"> <tr><td>0 – 10 NM</td><td>2900 ft MSL</td></tr> <tr><td>10 – 20 NM</td><td>4100 ft MSL</td></tr> <tr><td>20 – 30 NM</td><td>5500 ft MSL</td></tr> <tr><td>30 – 40 NM</td><td>7000 ft MSL</td></tr> <tr><td>40 – 50 NM</td><td>8700 ft MSL</td></tr> </table>	0 – 10 NM	2900 ft MSL	10 – 20 NM	4100 ft MSL	20 – 30 NM	5500 ft MSL	30 – 40 NM	7000 ft MSL	40 – 50 NM	8700 ft MSL
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Mike NDB	MIQ	426.00 KHz	H24	N 48 34 12.81 E 011 35 51.01		-	Operational range sector 0°–360°: 25 NM										
Muenchen ILS 08L (CAT III) LOC (3° E/2021)	IMNE	109.50 MHz	H24	N 48 22 02.85 E 011 49 43.13		-	Usable: Up to 13.3 NM in the area 035°(L)/019°(R) in relation to RCL MIN interception altitude: 3070 ft MSL. From 13.3 NM to 17 NM in the area 035°(L)/019°(R) in relation to RCL MIN interception altitude: 3500 ft MSL. From 17 NM to 25 NM in the area 004°(L)/ 004°(R) in relation to RCL MIN interception altitude: 3500 ft MSL.										
GP	-	332.60 MHz	H24	N 48 21 53.05 E 011 46 18.98		-	Usable up to 15 NM BTN 8°(L) and 8°(R) of RCL.										
DME	IMNE	CH32x (109.50 MHz *)	H24	N 48 21 53.05 E 011 46 18.98	1466	-	Operational coverage sector 228°–298°: 25 NM, 10000 ft MSL The DME may only be used for the published approach and departure procedures. * Ghost frequency										
Muenchen ILS 08R (CAT III) LOC (3° E/2021)	IMSE	109.30 MHz	H24	N 48 20 44.97 E 011 49 04.83		-	Usable: Up to 13.5 NM in the area 027°(L)/029°(R) in relation to RCL MIN interception altitude: 3330 ft MSL. From 13.5 NM to 17 NM in the area 027°(L)/029°(R) in relation to RCL MIN interception altitude: 3800 ft MSL. From 17 NM to 25 NM in the area 004°(L)/ 004°(R) in relation to RCL MIN interception altitude: 3800 ft MSL.										
GP	-	332.00 MHz	H24	N 48 20 21.86 E 011 45 20.84		-	Usable up to 15 NM BTN 8°(L) and 8°(R) of RCL.										
DME	IMSE	CH30x (109.30 MHz *)	H24	N 48 20 21.85 E 011 45 20.84	1491	-	Operational coverage sector 228°–298°: 25 NM, 10000 ft MSL The DME may only be used for the published approach and departure procedures. * Ghost frequency										