

22-FEB-2018

MGL-EDLN

1-10

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GENERAL**Operational Hours****ATS Hours:** 0700-1930‡, PPR required 0500-0700‡ and 1930-2100‡**AD Operator Hours**

0700-1930‡, PPR required 0500-0700‡ (1 day in advance until 1100‡) and 1930-2100‡

Airport Information**RFF:** CAT 6**Fuel:** 0600-1800‡, other times O/R**PCN:** RWY 13/31: 30/F/D/W/T**Customs:** O/R 2HR**Operation****TWY Restriction:** TWY width 15m / 49ft.**Warnings****MHV DVOR/DME unusable:**

0-10NM below 1200ft MSL.

10-20NM below 2500ft MSL

DVOR can be used for published en-route, APCH and DEP procedures.

Overflying of the nature reserve "Pferdsbroich" (1.2NM east of THR RWY 31) shall be avoided if possible.

ARRIVAL**Communication****COM Failure:** See CRAR and in addition;

Proceed to MHV VOR for standard APCH.

DEPARTURE**Take-off Minima**

RWY		13/31	
A, B, C	ft - m/km	0 - 150R	-
D		Not applicable	-

Communication**COM Failure:** See CRAR.**Departure Procedure****Departure Notes****COL 3A, 3N**

FLTs unable to cross LIPMI at FL150 or above shall advise CLR DLV upon start-up REQ.

GMH 1N, 8Z

Only for FLTs with RFL140 or below.

KUMIK 3A, 3N

Only for FLTs with RFL150 or above.

FLTs unable to cross DEGOM at FL150 or above shall advise CLR DLV upon start-up REQ.

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DEPARTURE**NUDGO 4A, 4N**

Not AVBL for FLTs into upper airspace.

SONEB 3A, 3N

Only for FLTs with RFL140 or above via RKN/TENLI. Other FLTs proceed via ABODU on L179 to MEVEL. Flights must be able to cross LN140 at FL140 or above. If unable advise CLR DLV upon start-up REQ.

De-Icing

Not AVBL.

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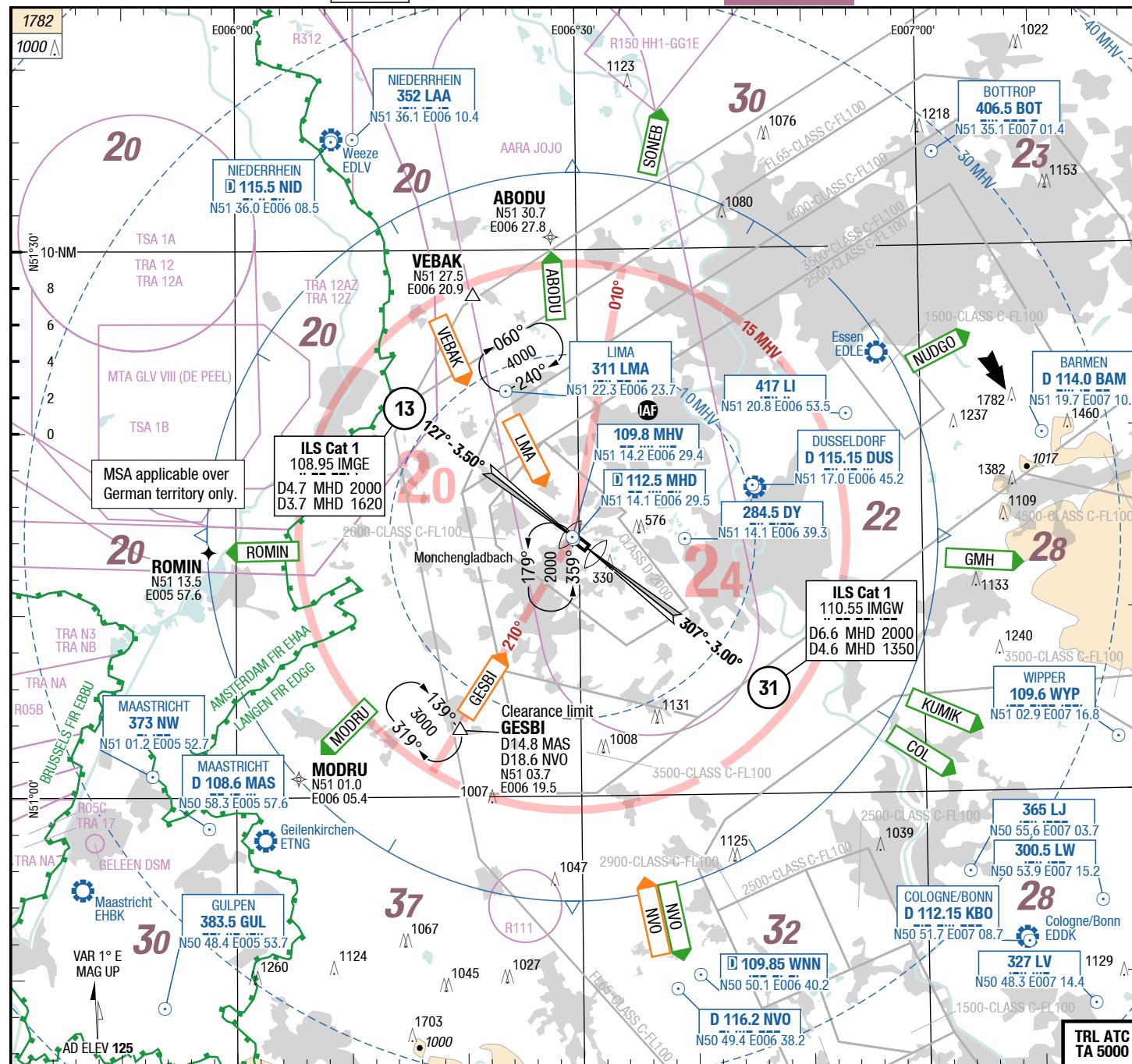
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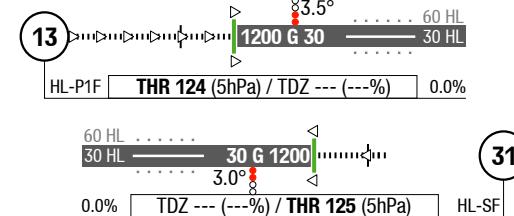
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ATIS	109.800	MHV 0700-1930‡
Langen RAD	128.500	
	121.350	
TWR	120.450	0700-1930† up to 4000 AGL; other times PPR
GND	121.925	0800-1200† 1400-1800†
	120.450	Other Times

Landing RWY system:



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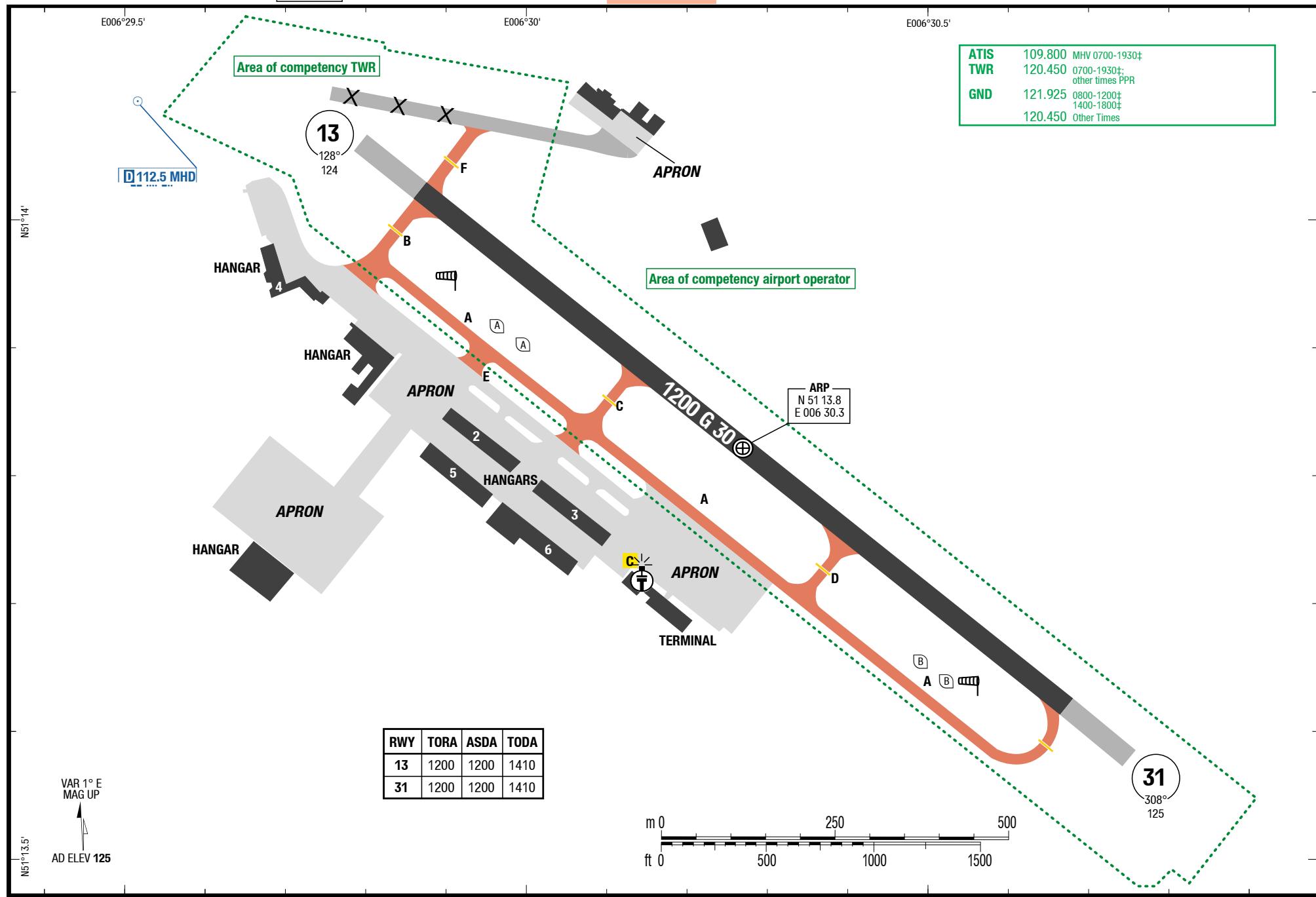
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Changes: Nil

25-JAN-2018

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SIDs RWY 13 West (RNAV Overlay)

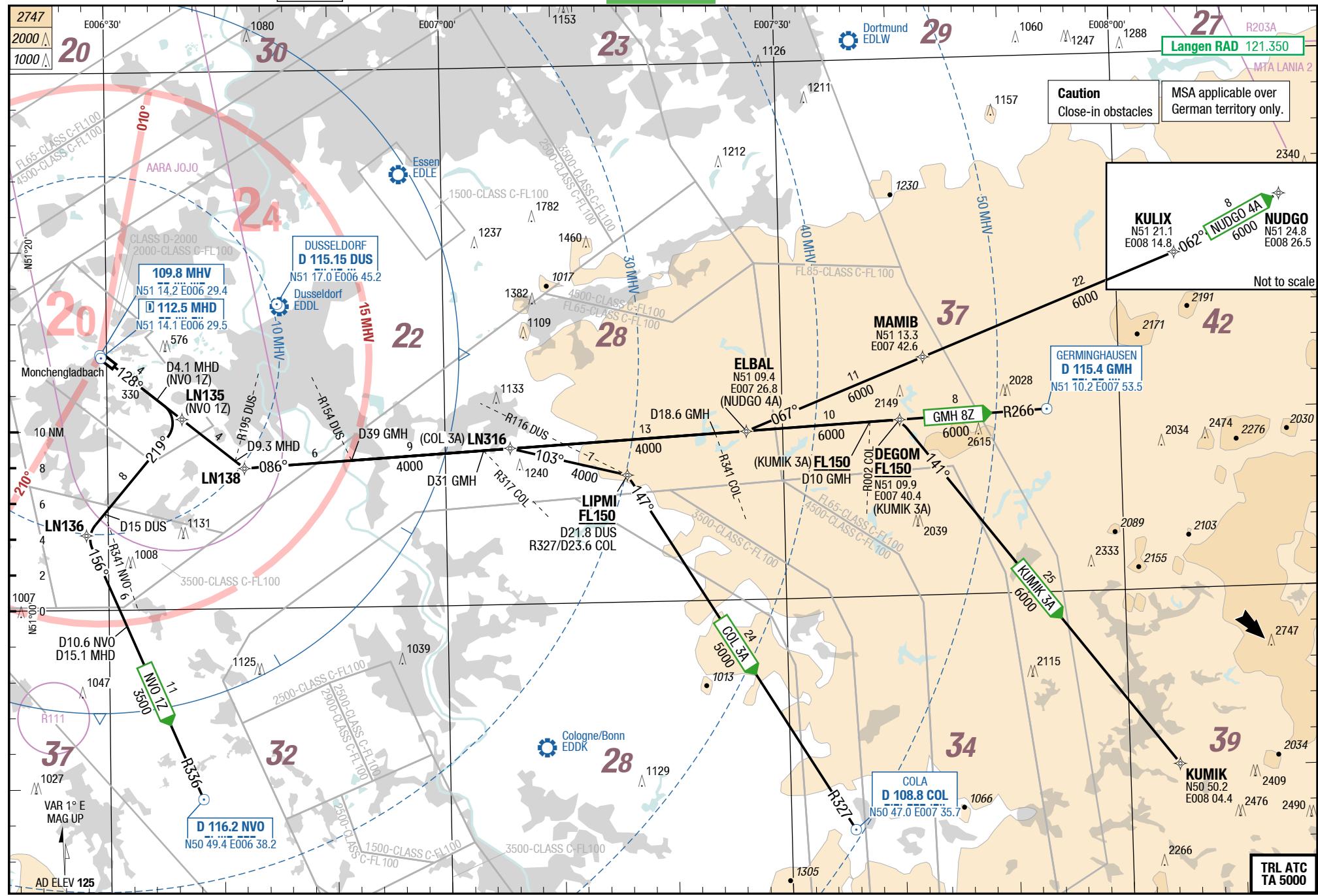
4-10

RWY 13 East (RNAV Overlay)

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SIDs RWY 13 West (RNAV Overlay)

SIDs RWY 13 East (RNAV Overlay)



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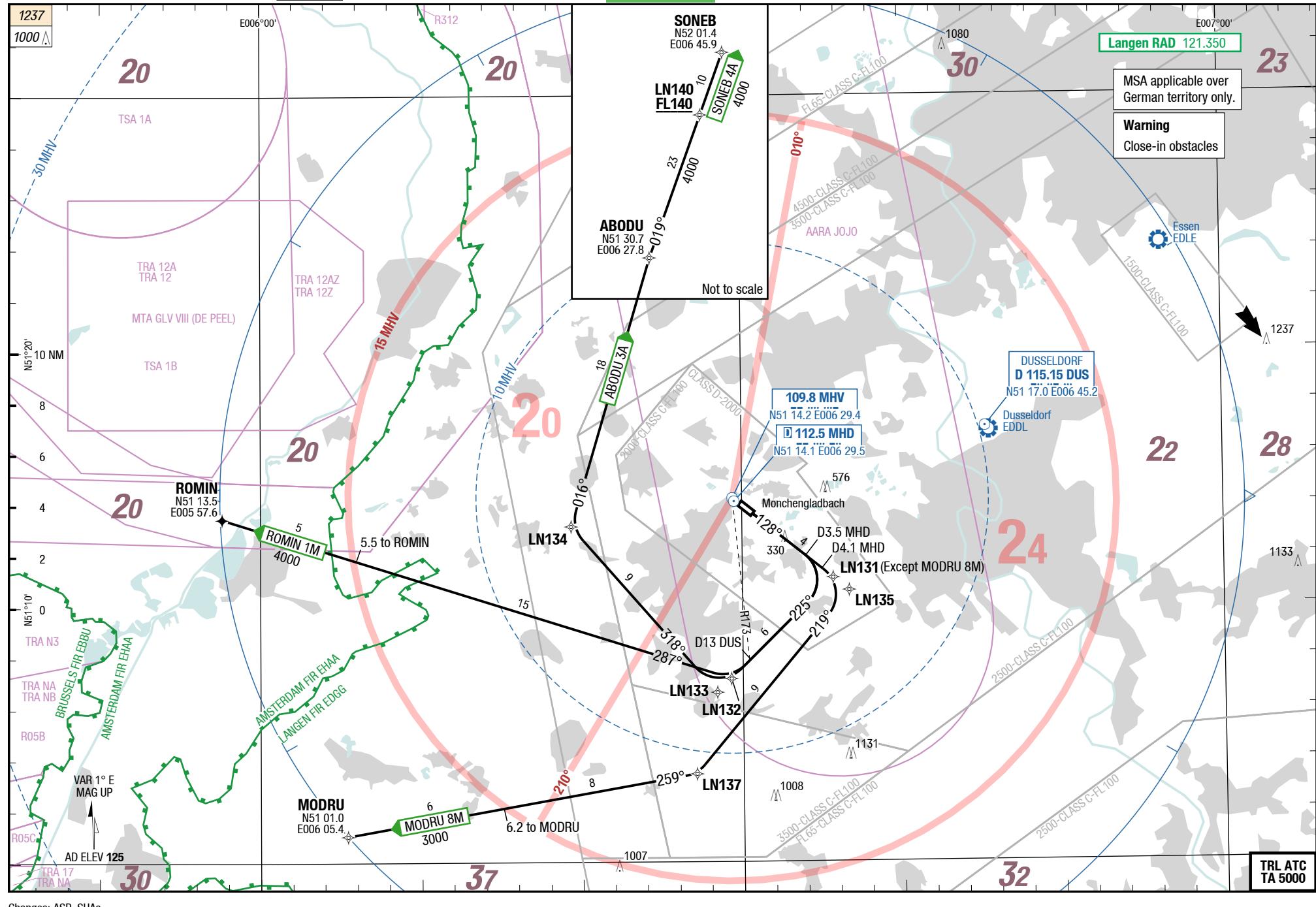
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4-20 | SIDs RWY 13 West (RNAV Overlay)

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SIDs RWY 13 West (RNAV Overlay)



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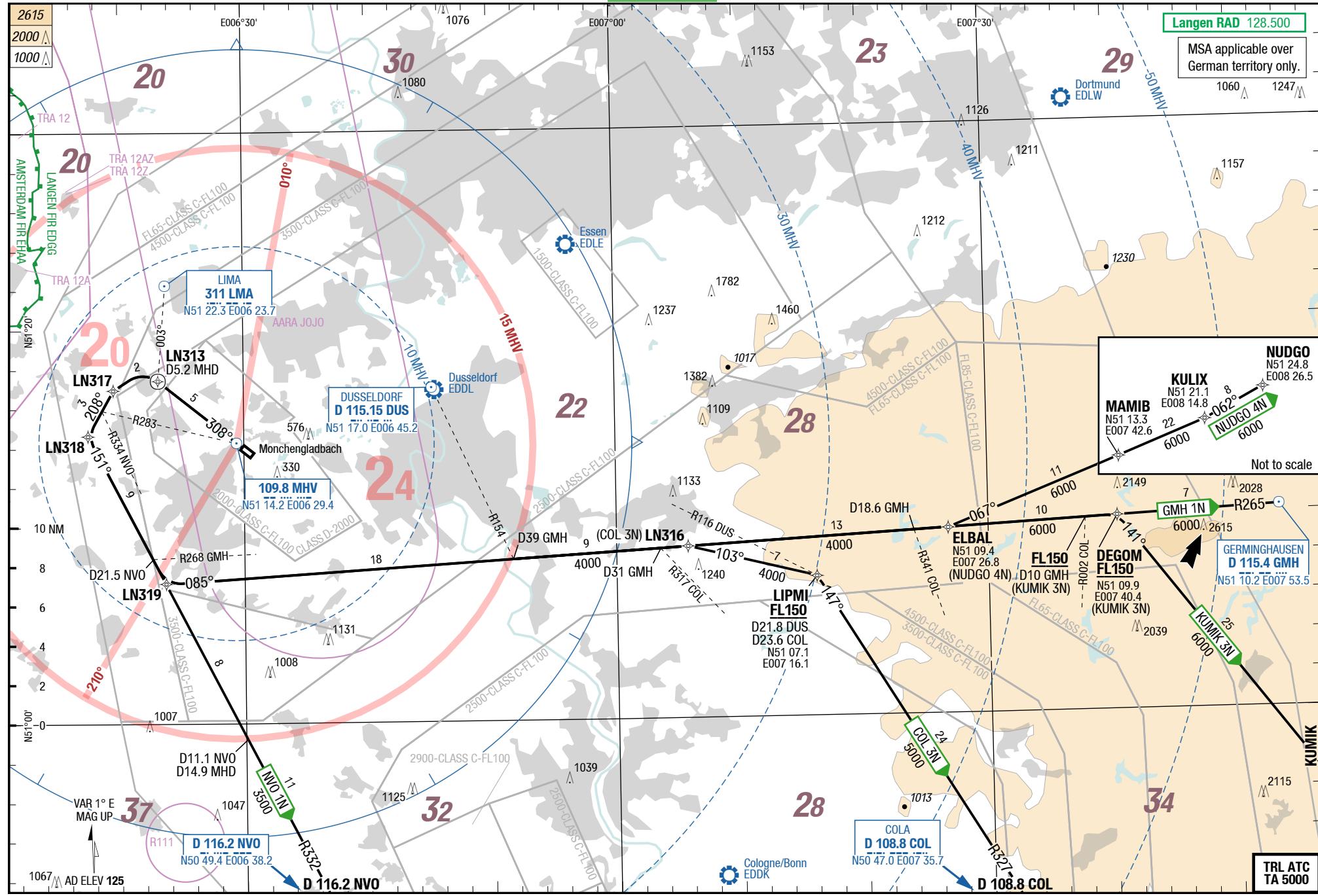
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[SIDs RWY 31 West (RNAV Overlay)]

4-30

SIDs RWY 31 East (RNAV Overlay)



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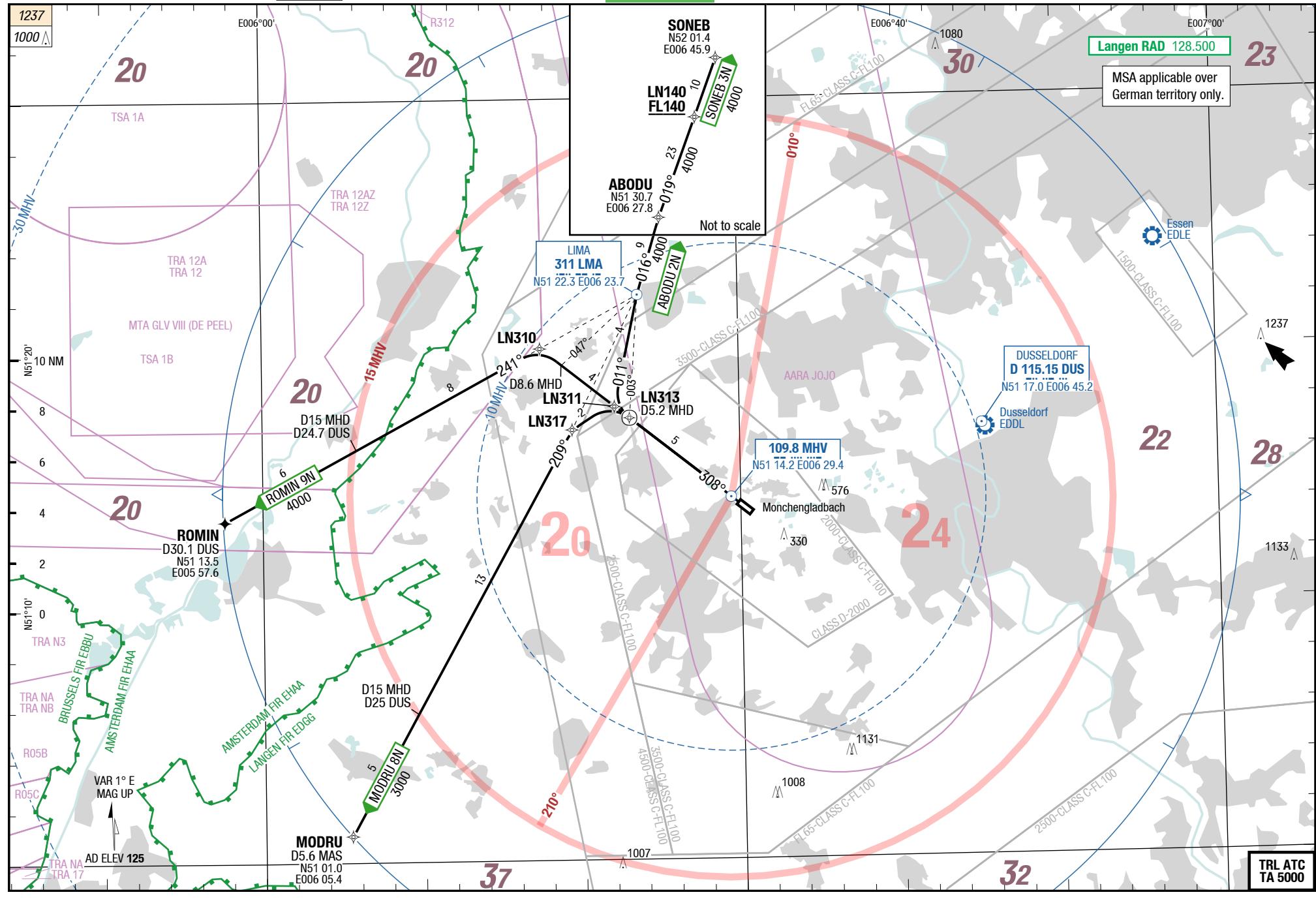
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4-40 SIDs RWY 31 West (RNAV Overlay)

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SIDs RWY 31 West (RNAV Overlay)



MGL-EDLN**5-10****SIDs RWY 13 East (RNAV Overlay)****COLA 3A / GERMINGHAUSEN 8Z / KUMIK 3A / NOERVENICH 1Z / NUDGO 4A**

RWY 13 (128°)

After take-off, contact Langen RAD.

DESIGNATOR	ROUTING	ALTITUDES
Runway 13		
COLA 3A COL 3A 121.350 ②	at D9.3 MHD/R195 DUS LT intercept R266 GMH inbound - at D31 GMH/R317 COL RT 103° - intercept R327 COL to COL FMS [A600+] - LN138 - LN316 - LIPMI -COL	D21.8/R116 DUS MNM FL150 LIPMI MNM FL150 initial climb 2000
GERMINGHAUSEN 8Z GMH 8Z 121.350 ②	at D9.3 MHD/R195 DUS LT intercept R266 GMH to GMH FMS [A600+] - LN138 - GMH	initial climb 2000
KUMIK 3A 121.350 ①②	at D9.3 MHD/R195 DUS LT intercept R266 GMH inbound - at D10 GMH/R002 COL RT 141° to KUMIK FMS [A600+] - LN138 - DEGOM - KUMIK	D10 GMH/R002 COL MNM FL150 DEGOM MNM FL150 initial climb 2000
NOERVENICH 1Z NVO 1Z 121.350 ②	at D4.1 MHD RT 219° - at D15 DUS/R341 NVO LT intercept R336 NVO to NVO FMS [A600+] - LN135 - LN136 - NVO	initial climb 2000
NUDGO 4A 121.350 ②	at D9.3 MHD/R195 DUS LT intercept R266 GMH inbound - at D18.6 GMH/R341 COL LT 067° via MAMIB to KULIX - LT 062° to NUDGO FMS [A600+] - LN138 - ELBAL - MAMIB - KULIX - NUDGO	initial climb 2000

① After D10 GMH/R002 COL B-RNAV equipment necessary

② Warning: Close-in obstacles.

MGL-EDLN**5-20****SIDs RWY 13 West (RNAV Overlay)****ABODU 3A / MODRU 8M / ROMIN 1M / SONEB 4A**

RWY 13 (128°)

After take-off, contact Langen RAD.

DESIGNATOR	ROUTING	ALTITUDES
	Runway 13	
ABODU 3A 121.350 ①③	at D3.5 MHD RT 225° - at D13 DUS/R173 MHV RT 318° to LN134 - RT 016° to ABODU FMS [A600+] - LN131 - LN133 - LN134 - ABODU	Initial climb 2000
MODRU 8M 121.350 ②③	at D4.1 MHD RT 219° to LN137 - RT 259° to MODRU FMS [A600+] - LN135 - LN137 - MODRU	Initial climb 2000
ROMIN 1M 121.350 ①③	at D3.5 MHD RT 225° - at D13 DUS/R173 MHV RT 287° to ROMIN FMS [A600+] - LN131 - LN132 - ROMIN	Initial climb 2000
SONEB 4A 121.350 ①③	at D3.5 MHD RT 225° - at D13 DUS/R173 MHV RT 318° to LN134 - RT 016° to ABODU - RT 019° via LN140 to SONEB FMS [A600+] - LN131 - LN133 - LN134 - ABODU - LN140 - SONEB	LN140 MNM FL140 Initial climb 2000

① After D13 DUS/R173 MHV, B-RNAV equipment necessary.

② After passing 2000ft, B-RNAV equipment necessary.

③ Warning: Close-in obstacles

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SIDs RWY 31 East (RNAV Overlay)

COLA 3N / GERMINGHAUSEN 1N / KUMIK 3N / NOERVENICH 1N / NUDGO 4N

RWY 31 (308°)

After take-off, contact Langen RAD.

DESIGNATOR	ROUTING	ALTITUDES
Runway 31		
COLA 3N COL 3N 128.500	at D5.2 MHD/QDM 003 LMA LT 208° - crossing R334 NVO/R283 MHV LT intercept R332 NVO inbound - at D21.5 NVO/R268 GMH LT intercept R265 GMH inbound - at D31 GMH/R317 COL RT 103° intercept R327 COL to COL FMS [A600+] - <u>LN313</u> - LN317 - LN318 - LN319 - LN316 - LIPMI - COL	D21.8/R116 DUS MNM FL150 LIPMI MNM FL150 Initial climb 2000
GERMINGHAUSEN 1N GMH 1N 128.500	at D5.2 MHD/QDM 003 LMA LT 208° - crossing R334 NVO/R283 MHV LT intercept R332 NVO inbound - at D21.5 NVO/R268 GMH LT intercept R265 GMH to GMH FMS [A600+] - <u>LN313</u> - LN317 - LN318 - LN319 - GMH	 Initial climb 2000
KUMIK 3N 128.500 ①	at D5.2 MHD/QDM 003 LMA LT 208° - crossing R334 NVO/R283 MHV LT intercept R332 NVO inbound - at D21.5 NVO/R268 GMH LT intercept R265 GMH inbound - at D10 GMH/R002 COL RT 141° to KUMIK FMS [A600+] - <u>LN313</u> - LN317 - LN318 - LN319 - DEGOM - KUMIK	D10 GMH/R002 COL MNM FL150 DEGOM MNM FL150 Initial climb 2000
NOERVENICH 1N NVO 1N 128.500	at D5.2 MHD/QDM 003 LMA LT 208° - crossing R334 NVO/R283 MHV LT intercept R332 NVO to NVO FMS [A600+] - <u>LN313</u> - LN317 - LN318 - NVO	 Initial climb 2000
NUDGO 4N 128.500 ②	at D5.2 MHD/QDM 003 LMA LT 208° - crossing R334 NVO/R283 MHV LT intercept R332 NVO inbound - at D21.5 NVO/R268 GMH LT intercept R265 GMH inbound - at D18.6 GMH/R341 COL LT 067° via MAMIB to KULIX - LT 062° to NUDGO FMS [A600+] - <u>LN313</u> - LN317 - LN318 - LN319 - ELBAL - MAMIB - KULIX - NUDGO	 Initial climb 2000

① After D10 GMH/R002 COL B-RNAV equipment necessary

② After D18.6 GMH/R341 COL B-RNAV equipment necessary

MGL-EDLN

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SIDs RWY 31 West (RNAV Overlay)

SIDPT

ABODU 2N / MODRU 8N / ROMIN 9N / SONEB 3N

RWY 31 (308°)

After take-off, contact Langen RAD.

DESIGNATOR	ROUTING	ALTITUDES
	Runway 31	
ABODU 2N 128.500	at D5.2 MHD/QDM 003 LMA RT intercept QDM 011 LMA to LMA - QDR 016 LMA to ABODU FMS [A600+] - LN311 - LMA - ABODU	Initial climb 2000
MODRU 8N 128.500	at D5.2 MHD/QDM 003 LMA LT intercept QDR 209 LMA to MODRU FMS [A600+] - <u>LN313</u> - LN317 - MODRU	Initial climb 2000
ROMIN 9N 128.500	at D8.6 MHD/QDM 047 LMA LT intercept QDR 241 LMA to ROMIN FMS [A600+] - LN310 - ROMIN	Initial climb 2000
SONEB 3N 128.500 ①	at D5.2 MHD/QDM 003 LMA RT intercept QDM 011 LMA to LMA - QDR 016 LMA to ABODU - RT 019° via LN140 to SONEB FMS [A600+] - LN311 - LMA - ABODU - LN140 - SONEB	LN140 MNM FL140 LN140 MNM FL140 Initial climb 2000

① After ABODU B-RNAV equipment necessary.

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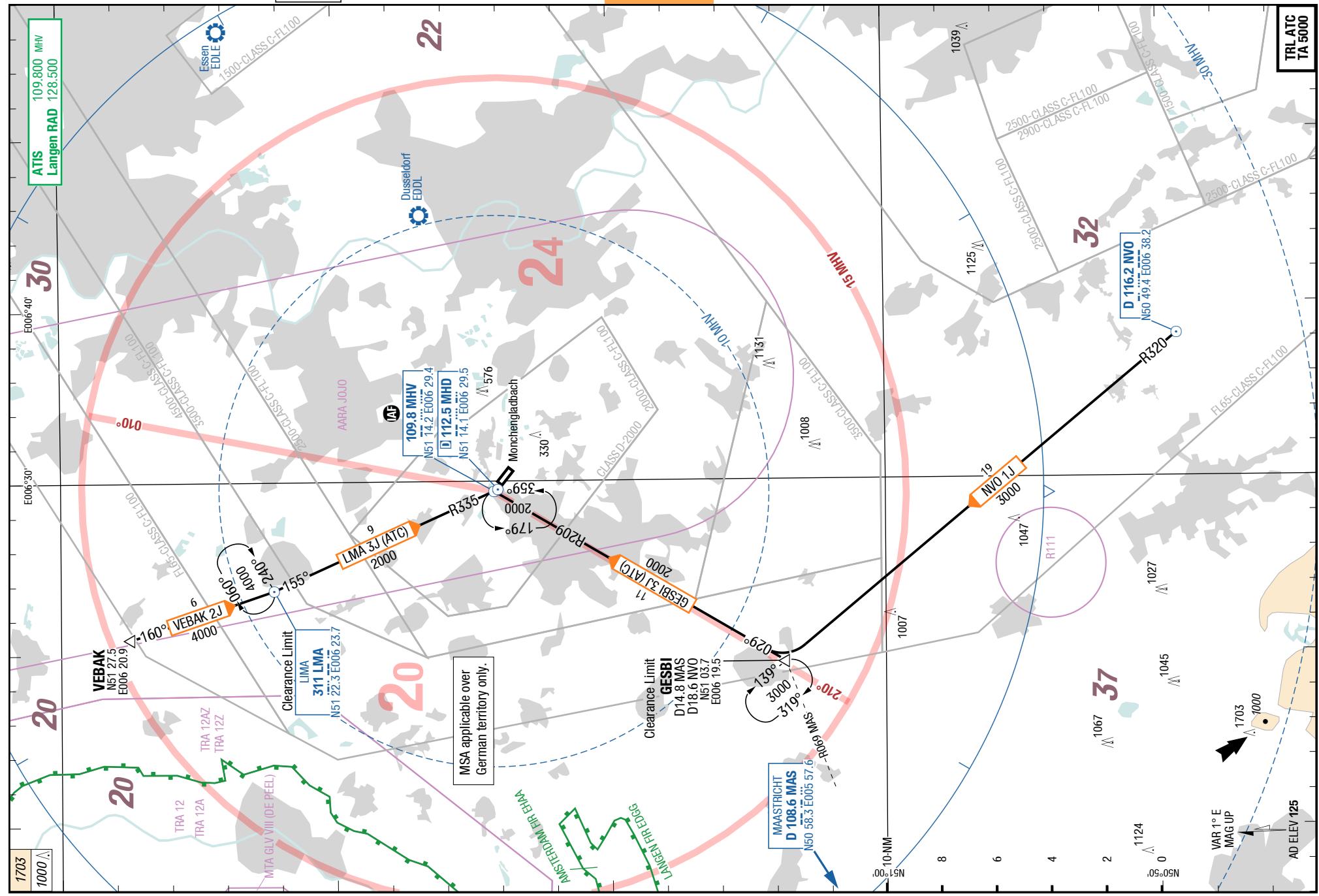
6-10

STARS

SAR

CTAD

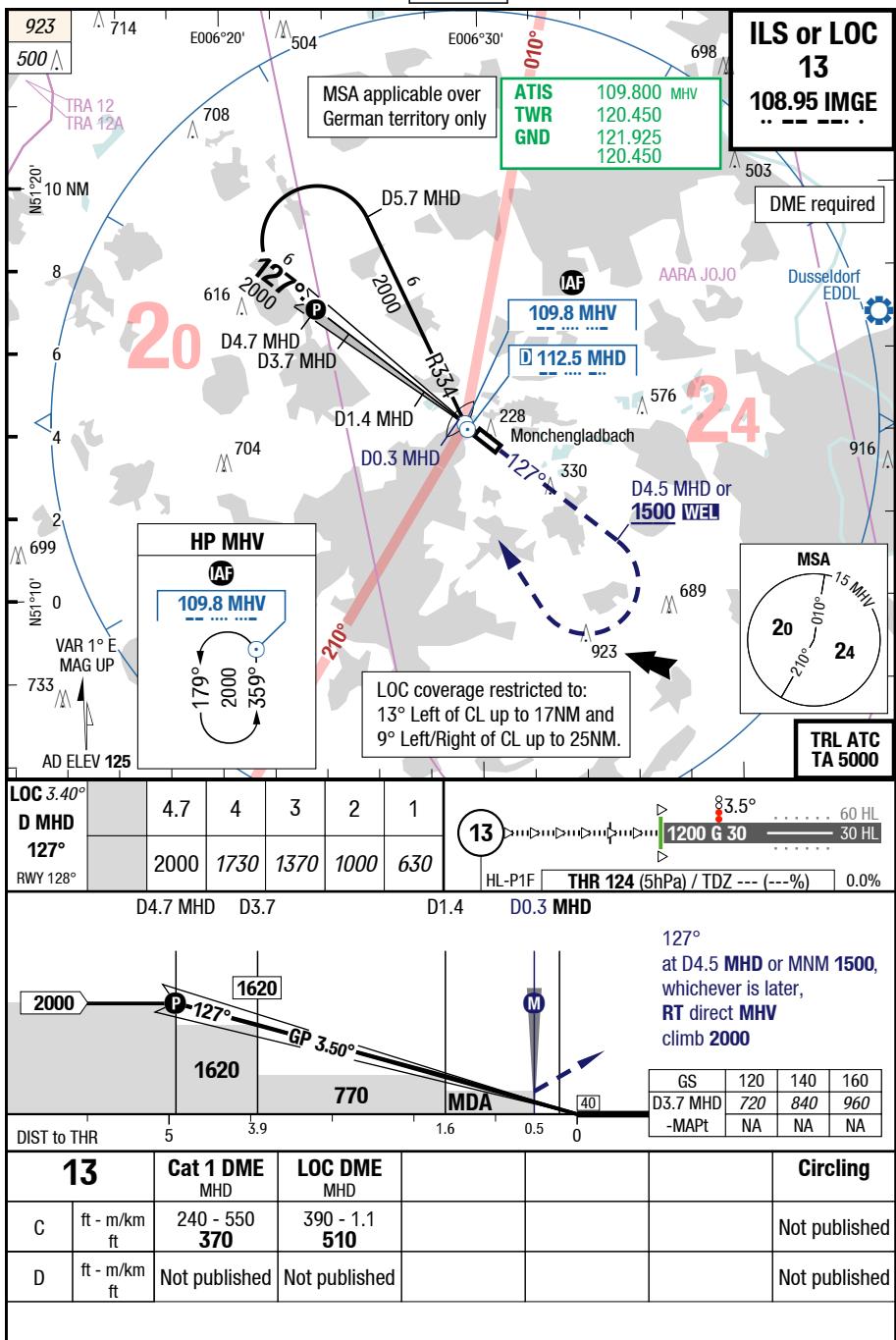
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ILS or LOC 13

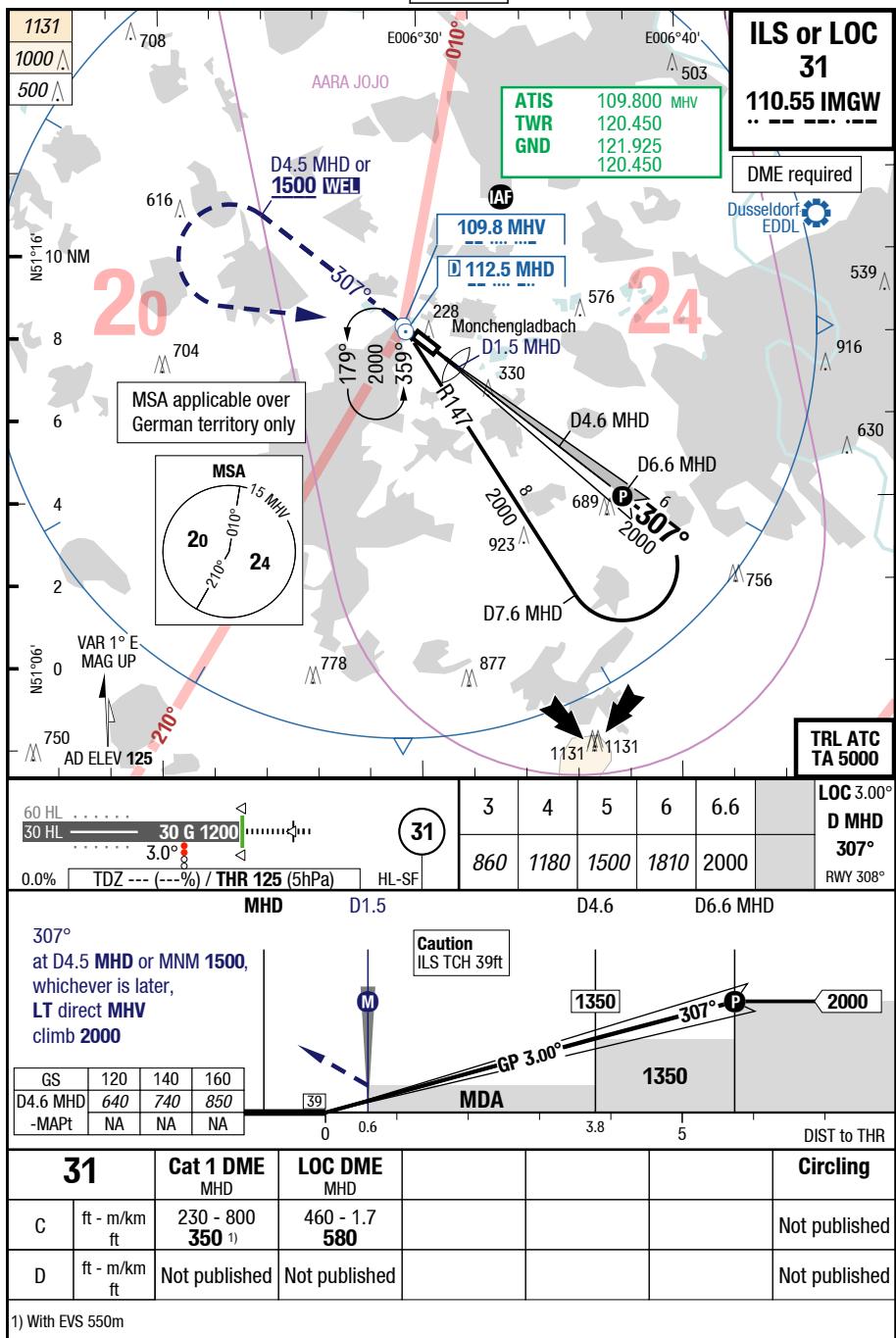


Changes: Completely revised

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ILS or LOC 31

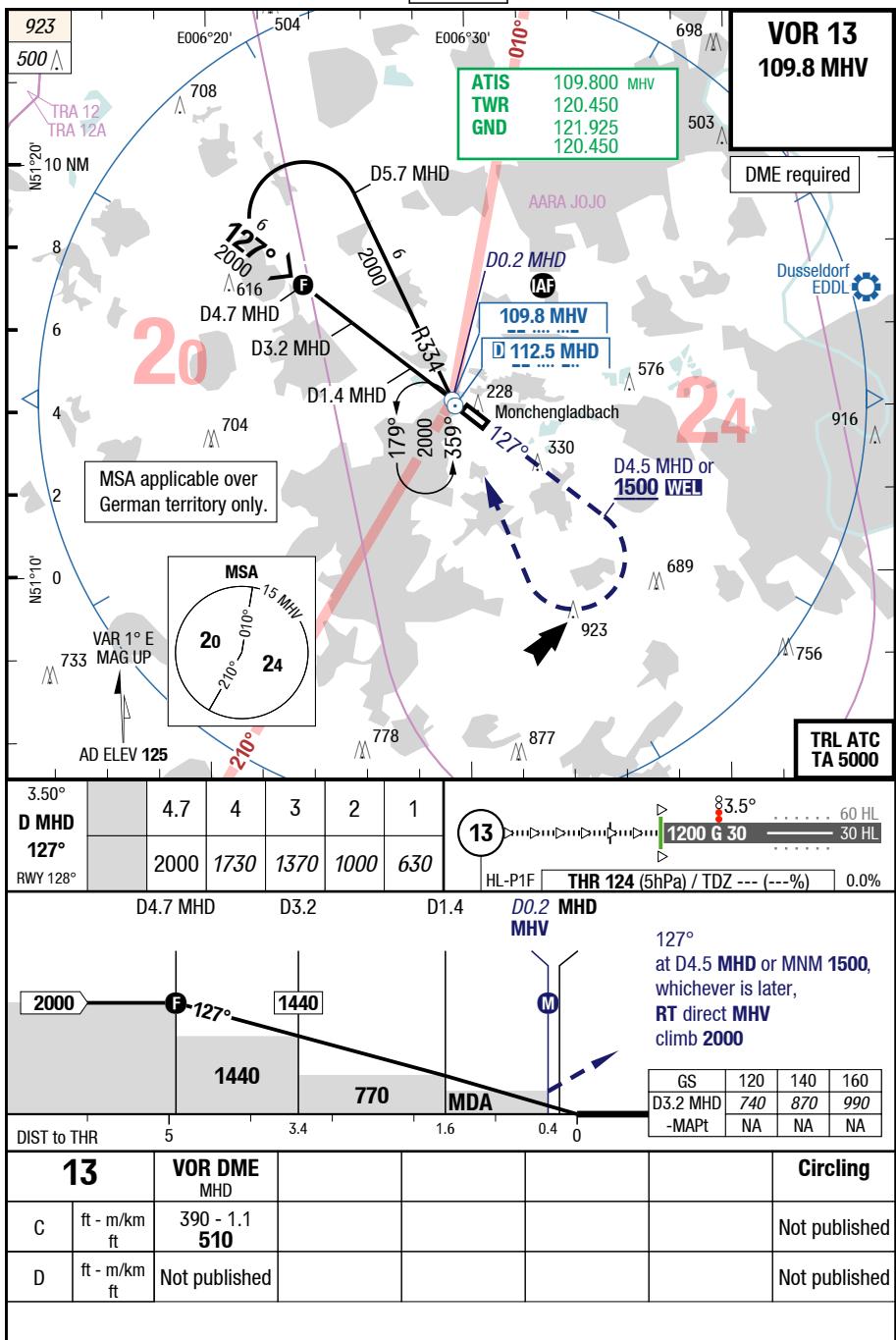


1) With EVS 550m

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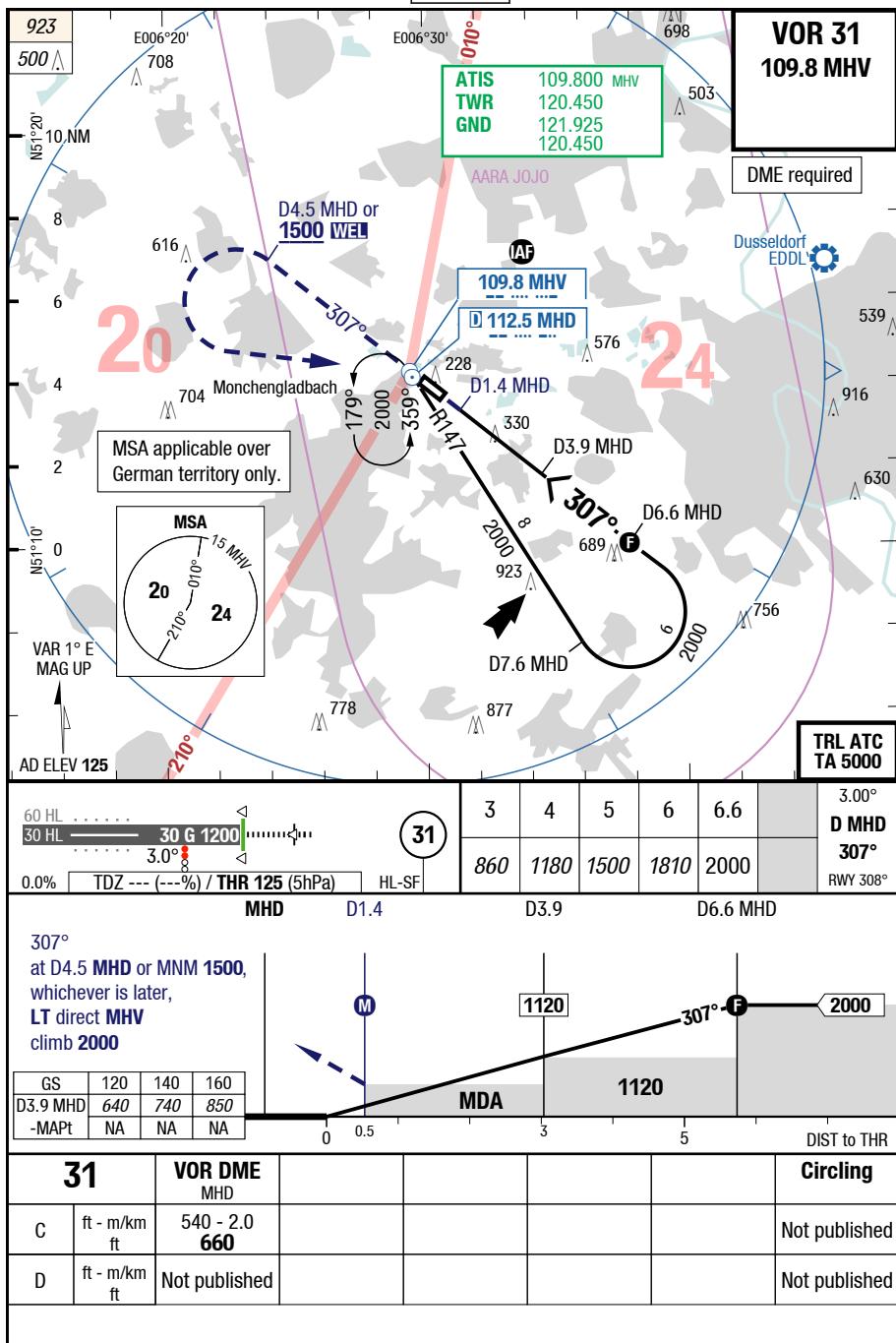
VOR 13



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VOR 31



Changes: Completely revised