

GENERAL**Operational Hours****ATS Hours:** HO**AD Operator Hours:** MON-FRI 0700-2100 \pm . PPR 24HR. CLSD HOL.**Airport Information****RFF:** CAT 9**Fuel:** F - 34**PCN:** RWY 09/27: 65/R/B/W/T**Operation****TWY Restriction**

TWY south between hammerhead west and intersection B CLSD.

Warnings

No stairway for Airbus, B747 etc. AVBL.

In case Geilenkirchen is planned as alternate, PPR-procedure applies.

- PPR will only be granted for VIP, direct support for E - 3A Component, and essential support of national and tenant units.
- Prior landing, VIP flights shall contact command post (Callsign MAGIC COMMAND).

SAT, SUN and HOL from SR till SS: Light ACFT, model ACFT and glider flying radius 3NM of AD.

ARRIVAL**Communication****COM Failure:** See CRAR Germany.**Arrival Procedure****Non-standard GP Antenna Position RWY 27**

GP intercepts RWY 27 at 308m / 1011ft after landing threshold.

Remaining LDG DIST beyond GP is 2592m / 8503ft.

DEPARTURE**Take-off Minima**

RWY		09/27	
All ACFT	ft - m/km	0 - 400V	HJ only
		0 - 800V	HN

Communication**COM Failure:** See CRAR Germany.

Effective 20-JUL-2017

13-JUL-2017

GKE-ETNG

Germany Geilenkirchen

AGC
AFC

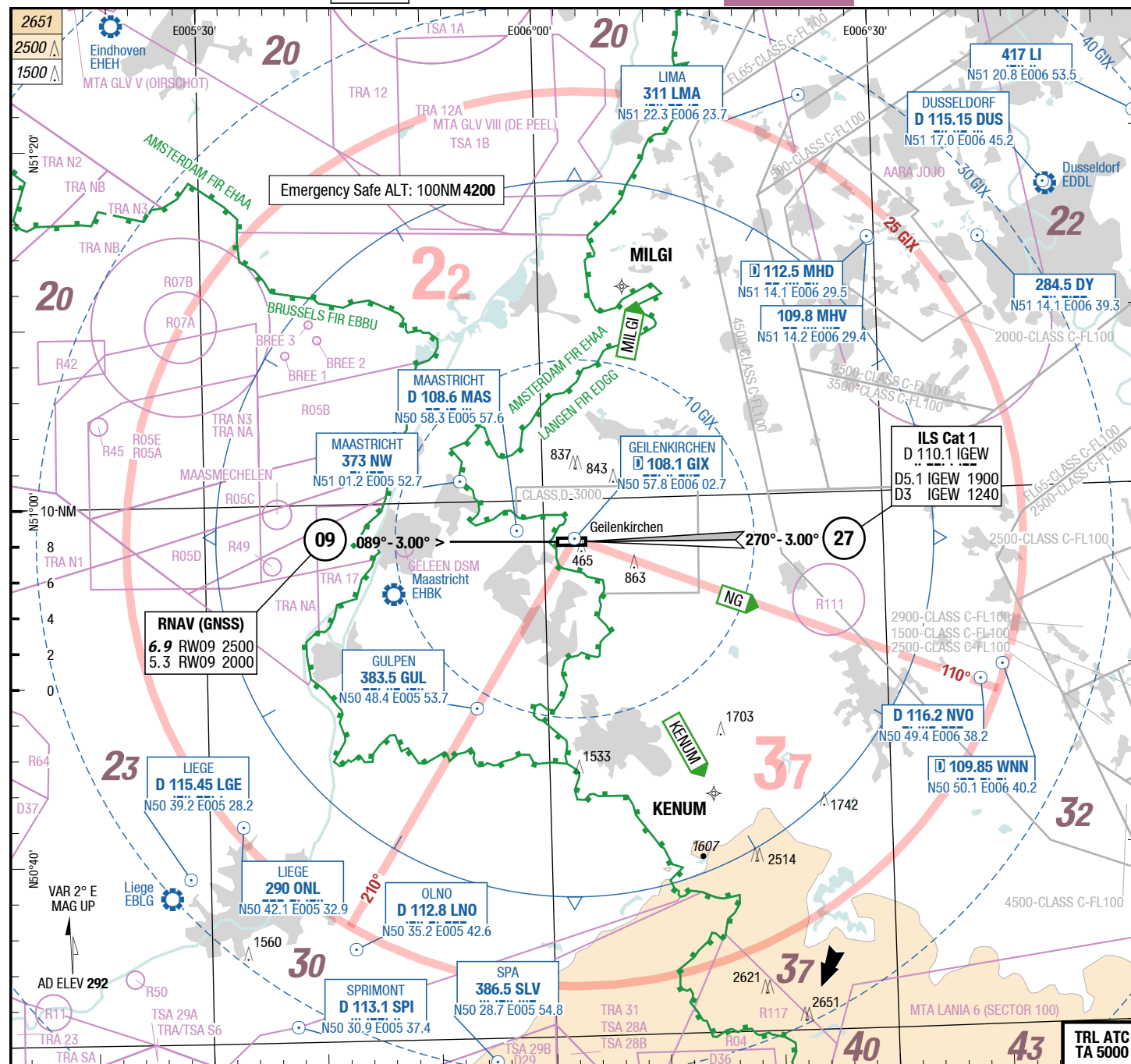
AFC

AFC

Geilenkirchen Germany

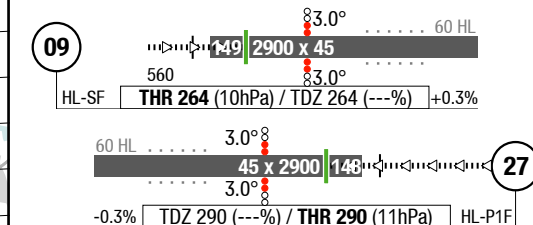
AGC
AFC

2-10



Frisbee RAD	123.725 HO
Beek RAD	123.300 HO
Langen RAD	123.980
Frisbee TWR	128.500
	122.100 HO
	120.050 HO

Landing RWY system:



Changes: MSA, SUAs, OBST

Effective 20-JUL-2017

13-JUL-2017

GKE-ETNG

Germany Geilenkirchen

AGC

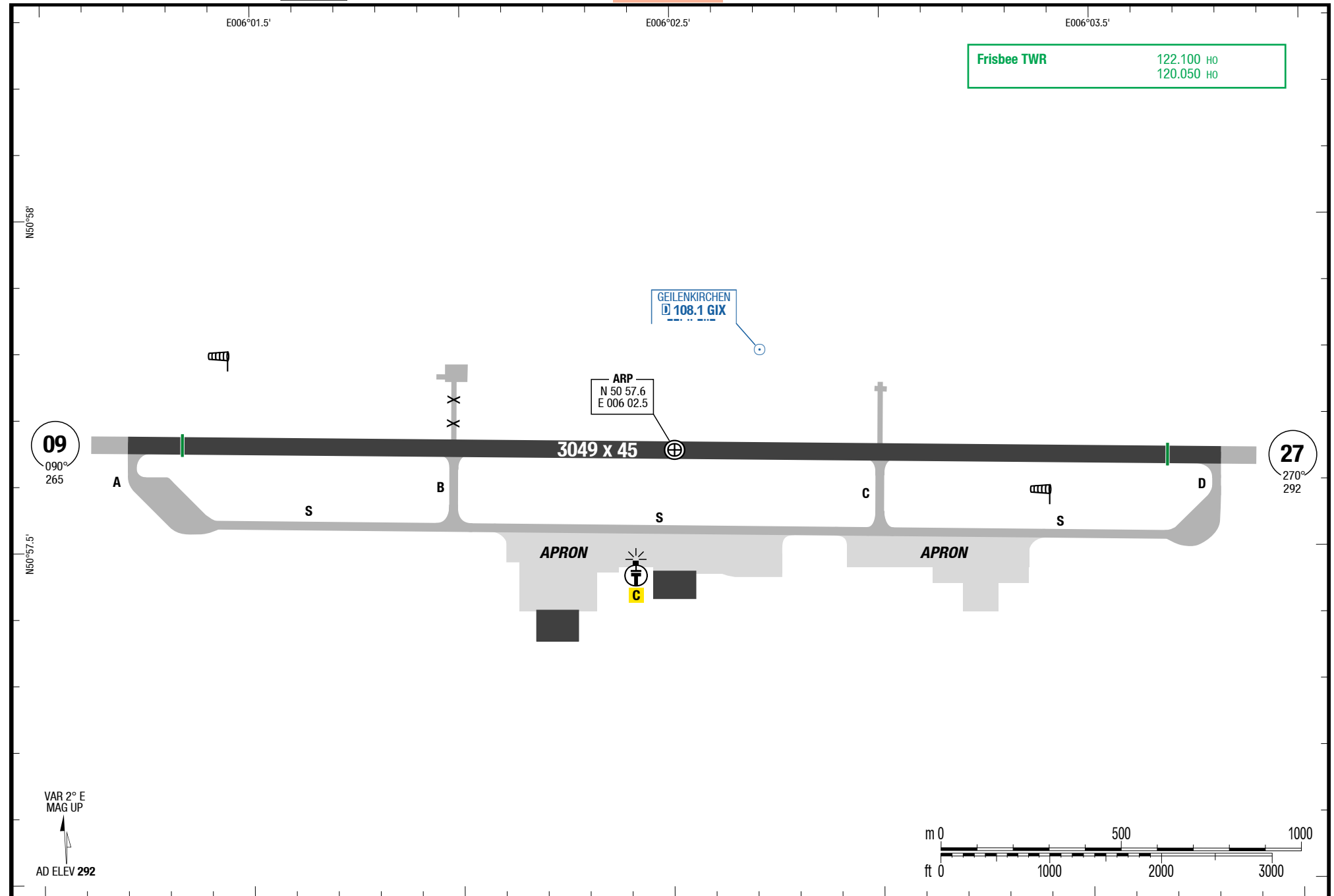
AGC

AGC

Geilenkirchen Germany

AGC

3-20



Changes: TWY CLSD

GKE-ETNG

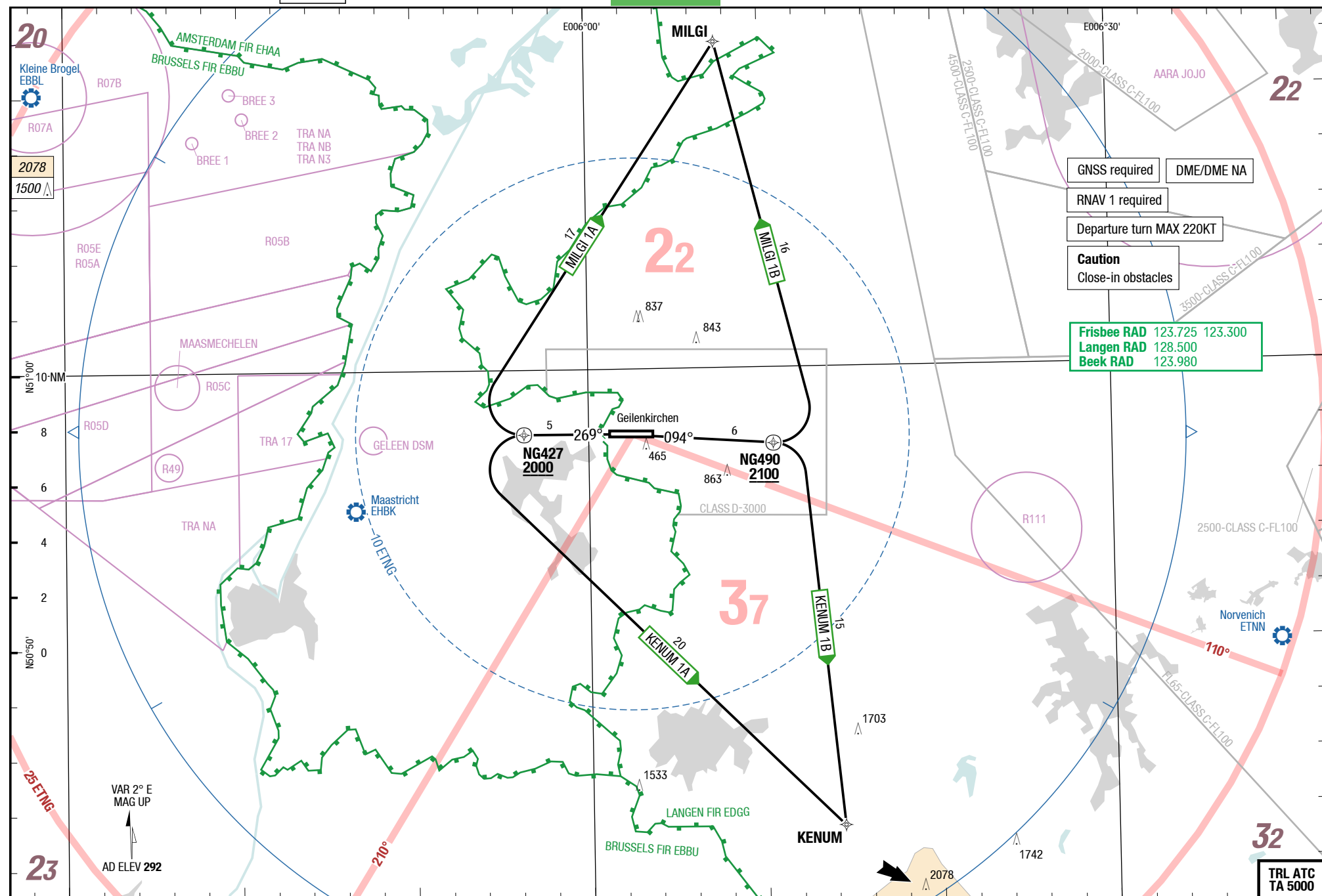
RNAV SIDs

SID

SID

RNAV SIDs

4-10



Changes: MSA, MGA, SUAs

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Effective 20-JUL-2017

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GKE-ETNG

Germany Geilenkirchen

SID

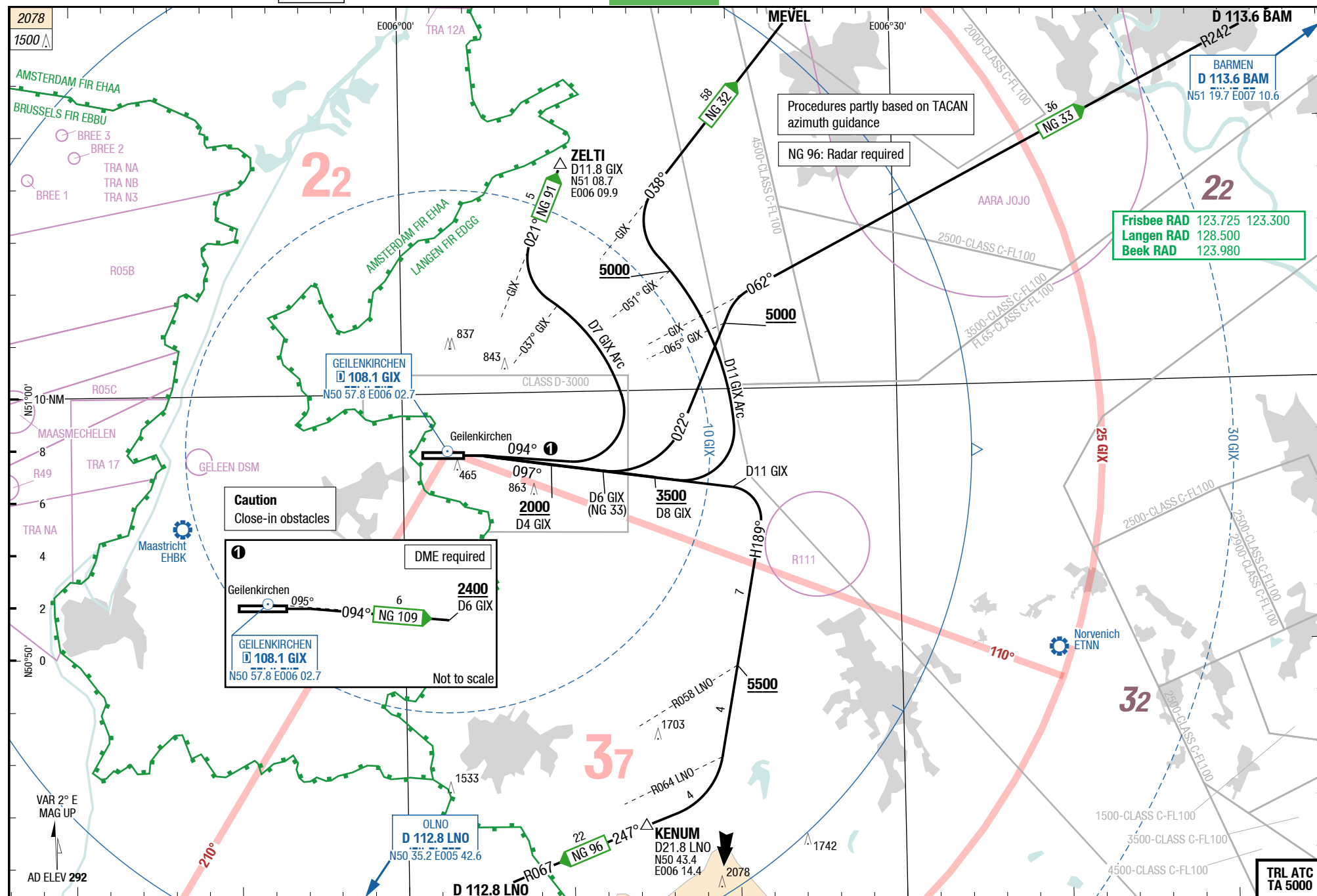
SID

Geilenkirchen Germany

SIDs RWY 09

SIDs RWY 09

4-20



Changes: MSA, Track, SUAs

Effective 20-JUL-2017

13-JUL-2017

GKE-ETNG

Germany Geilenkirchen

NIL

SIDs RWY 27

SID

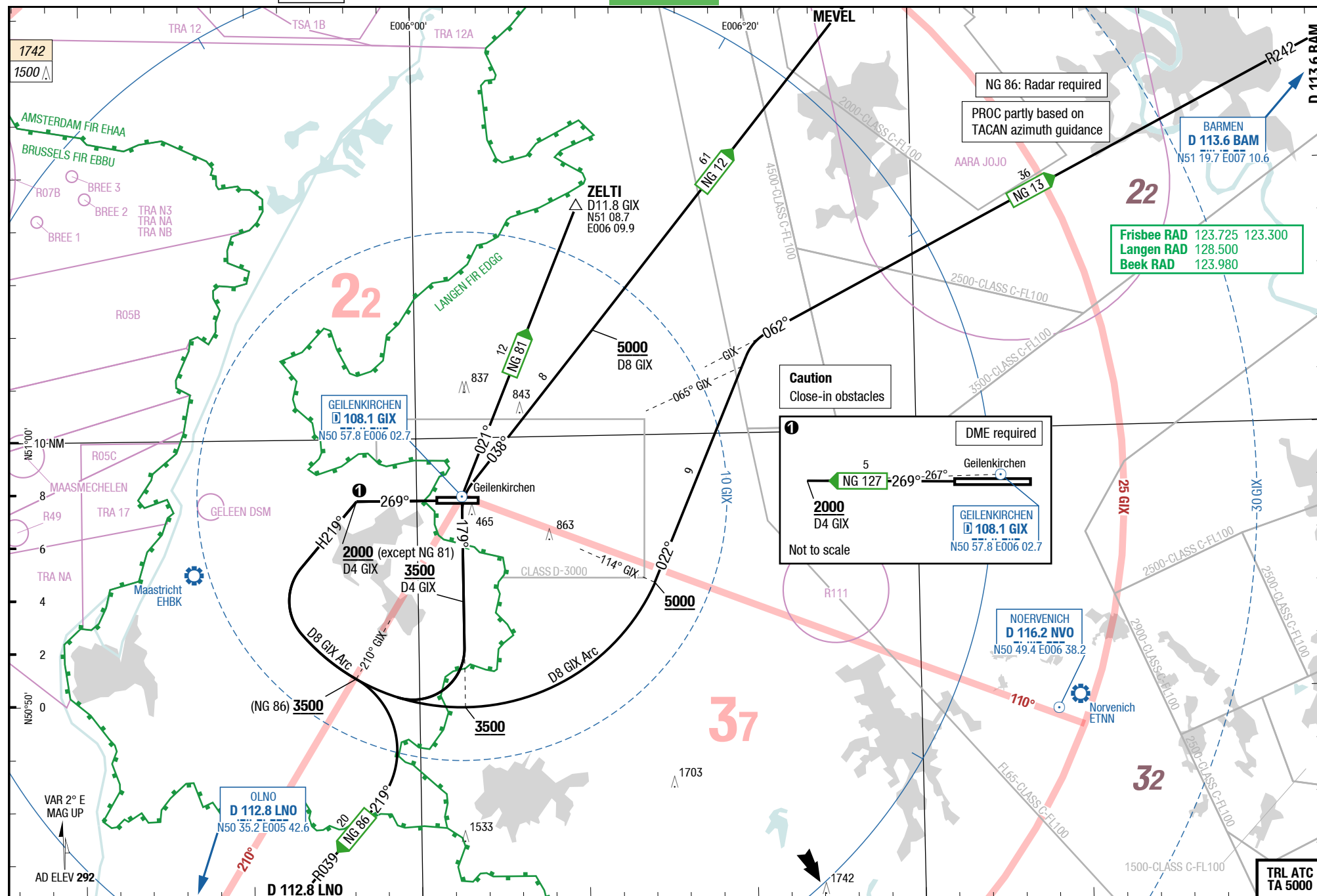
SID

Geilenkirchen Germany

NIL

SIDs RWY 27

4-30



Changes: MSA, SUAs, Note

KENUM 1B / MILGI 1B / KENUM 1A / MILGI 1A

RWYs 09 (090°) / 27 (270°)

DESIGNATOR	ROUTING	ALTITUDES
	Runway 09	
KENUM 1B 123.725 ①	094° - at NG490 RT (MAX 220KT) direct KENUM FMS <u>NG490</u> [K220- ;R] - KENUM	NG490 MNM 2100 NG490 MNM 2100
MILGI 1B 123.725 ①	094° - at NG490 LT (MAX 220KT) direct MILGI FMS <u>NG490</u> [K220- ;L] - MILGI	NG490 MNM 2100 NG490 MNM 2100
	Runway 27	
KENUM 1A 123.725 ②	269° - at NG427 LT (MAX 220KT) direct KENUM FMS <u>NG427</u> [K220- ;L] - KENUM	NG427 MNM 2000 NG427 MNM 2000
MILGI 1A 123.725 ②	269° - at NG427 RT (MAX 220KT) direct MILGI FMS <u>NG427</u> [K220- ;R] - MILGI	NG427 MNM 2000 NG427 MNM 2000

① Close-in obstacles: Trees located 1000m behind end of RWY 09, 480m north of centerline ALT 402ft

② Close-in obstacles: Trees located 165m behind end of RWY 27 180m north of centerline ALT 302ft. Trees located 420m behind end of RWY 27 261m north of centerline ALT 317ft. Trees located 390m behind end of RWY 27 145m south of centerline ALT 323ft. Trees located 275m behind end of RWY 27 480m south of centerline ALT 329ft.

NG 109 / NG 32 / NG 33 / NG 91 / NG 96

RWY 09 (090°)

	GS	120	150	180	210	240	270
4.5%	ft/MIN	600	700	900	1000	1100	1300
6.5%	ft/MIN	800	1000	1200	1400	1600	1800
8.2%	ft/MIN	1000	1300	1500	1800	2000	2300

DESIGNATOR	ROUTING	ALTITUDES
	Runway 09	
NG 109 6.5% to 2400 123.725 ①②	094° (095° GIX) to D6 GIX - follow ATC instructions	D6 GIX MNM 2400
NG 32 8.2% to 2000 123.725 ①②	097° GIX - at D8 GIX LT - follow D11 GIX Arc - crossing 051° GIX RT intercept 038° GIX to MEVEL	D4 GIX MNM 2000 D8 GIX MNM 3500 051° GIX MNM 5000
NG 33 8.2% to 2000 123.725 ①②	097° GIX - at D6 GIX LT 022° - crossing 065° GIX RT intercept 062° GIX to BAM	D4 GIX MNM 2000 065° GIX MNM 5000
NG 91 123.725	094° GIX to intercept and follow D7 GIX Arc - crossing 037° GIX RT intercept 021° GIX to ZELTI	
NG 96 8.2% to 2000 4.5% to 5000 123.725 ①②	097° GIX - at D11 GIX RT HDG 189° - crossing R064 LNO RT intercept R067 LNO to LNO	D4 GIX MNM 2000 R058 LNO MNM 5500

① Climb gradient due to ATC reasons.

② Close-in obstacles: Trees located 1000m behind end of RWY 09, 480m north of centerline ALT 402ft

NG 12 / NG 127 / NG 13 / NG 81 / NG 86

RWY 27 (270°)

	GS	120	150	180	210	240	270
9.0%	ft/MIN	1100	1400	1700	2000	2200	2500
9.2%	ft/MIN	1200	1400	1700	2000	2300	2600

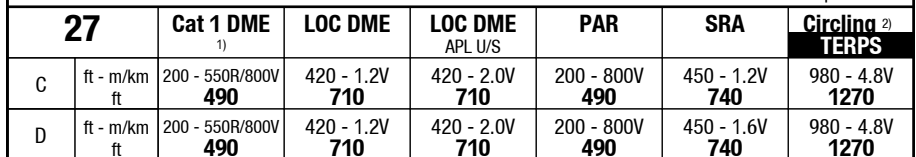
DESIGNATOR	ROUTING	ALTITUDES
	Runway 27	
NG 12 9.0% to 2000 123.725 ①②	269° (267° GIX) - at D4 GIX LT HDG 219° - follow D8 GIX Arc - crossing 210° GIX LT intercept 179° GIX to GIX - 038° GIX to MEVEL	D4 GIX MNM 2000 179°/D4 GIX MNM 3500 038°/D8 GIX MNM 5000
NG 127 9.2% to 2000 123.725 ①②	269° (267° GIX) to D4 GIX - follow ATC instructions	D4 GIX MNM 2000
NG 13 9.0% to 2000 123.725 ①②	269° (267° GIX) - at D4 GIX LT HDG 219° - follow D8 GIX Arc - crossing 114° GIX proceed on track 022° - crossing 065° GIX RT 062° GIX to BAM	D4 GIX MNM 2000 179° GIX MNM 3500 114° GIX MNM 5000
NG 81 123.725 ③	269° (267° GIX) - at D4 GIX LT HDG 219° - follow D8 GIX Arc - crossing 210° GIX LT intercept 179° GIX to GIX - 021° GIX to ZELTI	
NG 86 9.0% to 2000 123.725 ①②	269° (267° GIX) - at D4 GIX LT HDG 219° - follow D8 GIX Arc - crossing 210° GIX RT intercept R039 LNO to LNO	D4 GIX MNM 2000 210° GIX MNM 3500

① Climb gradient due to ATC reasons.

② Close-in obstacles: Trees located 165m behind end of RWY 27 180m north of centerline ALT 302ft. Trees located 420m behind end of RWY 27 261m north of centerline ALT 317ft. Trees located 390m behind end of RWY 27 145m south of centerline ALT 323ft. Trees located 275m behind end of RWY 27 480m south of centerline ALT 329ft.

③ Close-in obstacles: Trees located 418m behind end of RWY 27, 261m north of centerline ALT 317ft.

ILS or LOC Y 27



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Changes: MSA, OBST

ILS 27

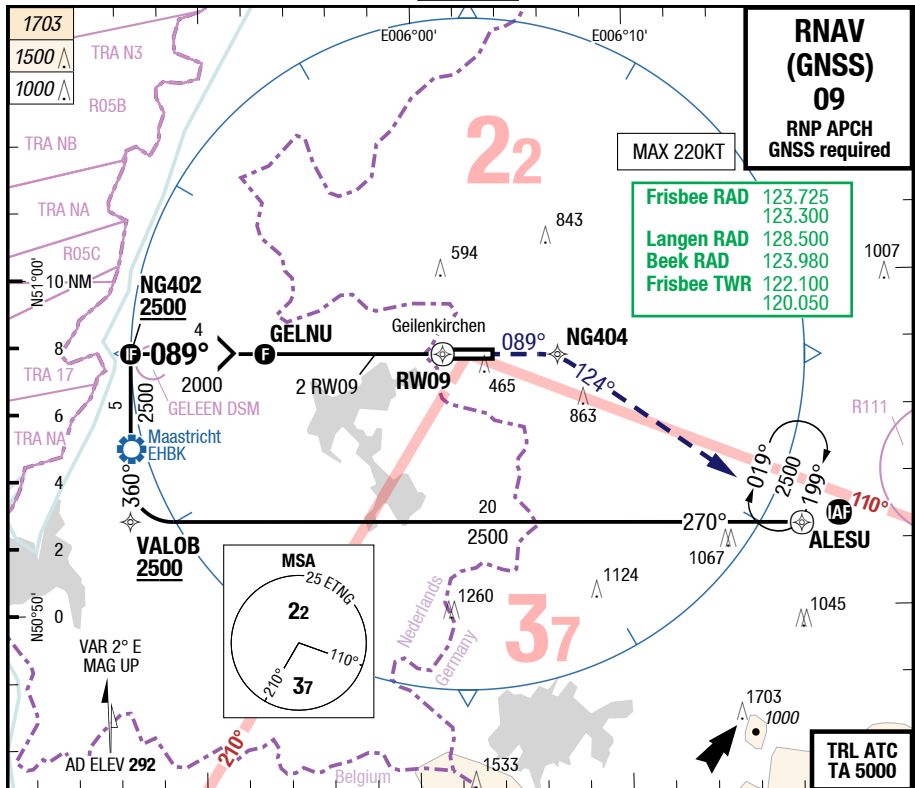


27		Cat 1 DME 1)	LOC DME	LOC DME APL U/S	PAR	SRA	Circling TERPS
C	ft - m/km ft	200 - 550R/800V 490	420 - 1.2V 710	420 - 2.0V 710	200 - 800V 490	450 - 1.2V 740	Not published
D	ft - m/km ft	200 - 550R/800V 490	420 - 1.2V 710	420 - 2.0V 710	200 - 800V 490	450 - 1.6V 740	Not published

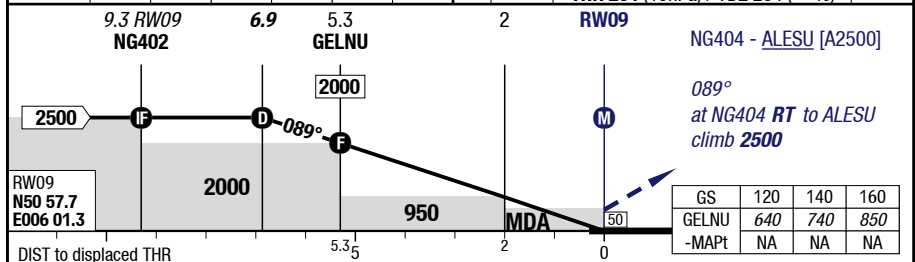
GKE-ETNG

7-30

RNAV (GNSS) 09



3.00° RW09 089° RWY 090°	6.9	6	5	4	3	2	<div>09</div> <div>HL-SF</div> <div> </div>
	2500	2230	1910	1590	1270	950	



09		RNAV GNSS VNAV 1) 2)	RNAV GNSS VNAV APL U/S 1)	RNAV GNSS LNAV	RNAV GNSS LNAV APL U/S	Circling TERPS
C	ft - m/km ft	380 - 1.2V 640		380 - 1.2V 640		Not published
D	ft - m/km ft	380 - 1.2V 640	380 - 2.0V 640 3)	380 - 1.2V 640	380 - 2.0V 640	Not published

1) Uncompensated BARO VNAV NA below -15°C (5°F)

3) With EVS VIS 1.3km, wo EVS use STD

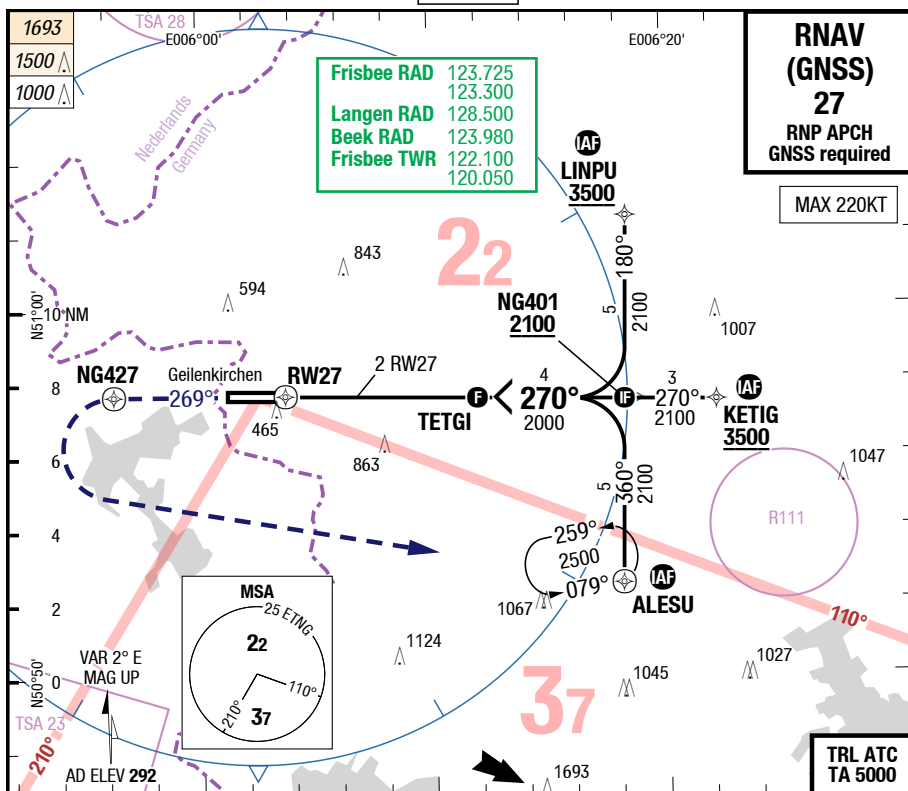
2) With EVS VIS 800m, wo EVS use STD

Changes: Nil

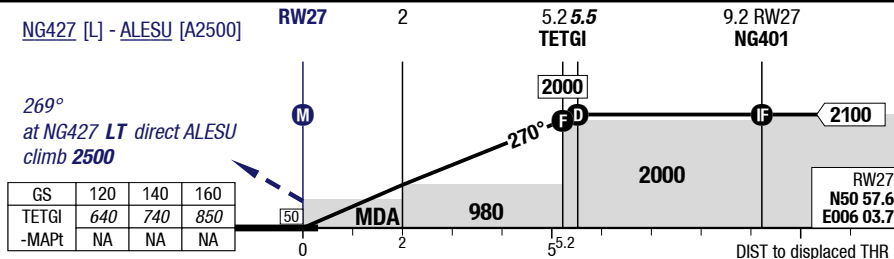
GKE-ETNG

7-40

RNAV (GNSS) 27



60 HL	3.0°	8	2	3	4	5	5.5	3.00°
45 x 2900	145	27	980	1300	1620	1940	2100	RW27
-0.3%	TDZ 290 (---%)	THR 290 (11hPa)	HL-P1F					



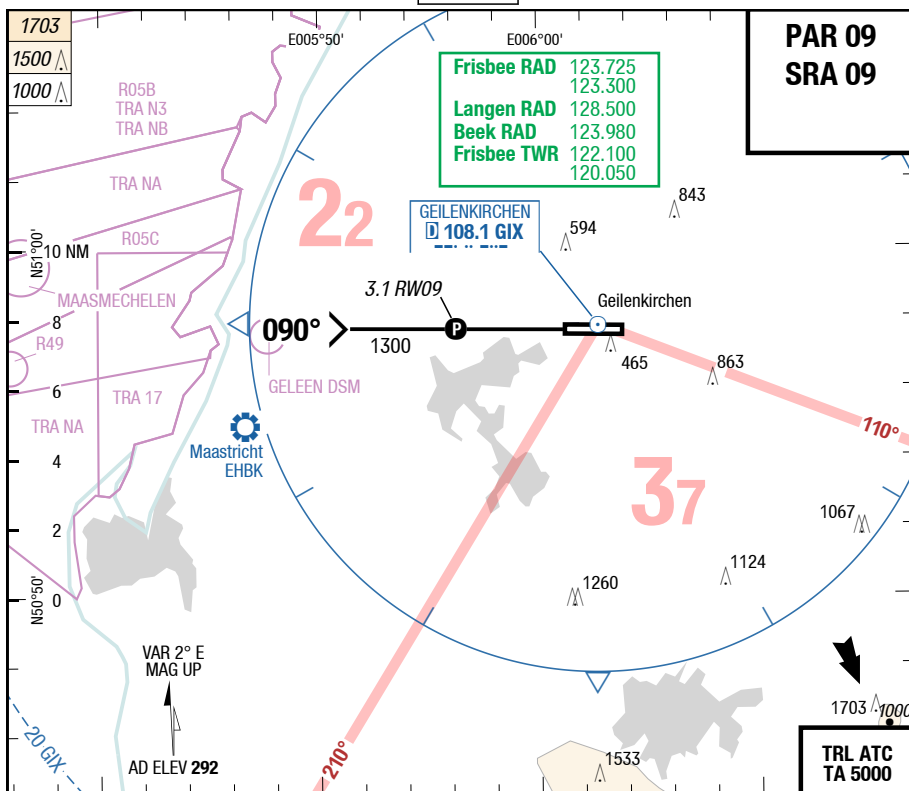
27	RNAV GNSS VNAV 1) 2)	RNAV GNSS VNAV APL U/S 1)	RNAV GNSS LNAV	RNAV GNSS LNAV APL U/S	Circling TERPS
C	ft - m/km ft 390 - 1.2V 680		430 - 1.2V 720		Not published
D	ft - m/km ft 390 - 1.2V 680	390 - 2.0V 680 3)	430 - 1.6V 720	430 - 2.4V 720	Not published

1) Uncompensated BARO VNAV NA below -15°C (5°F)

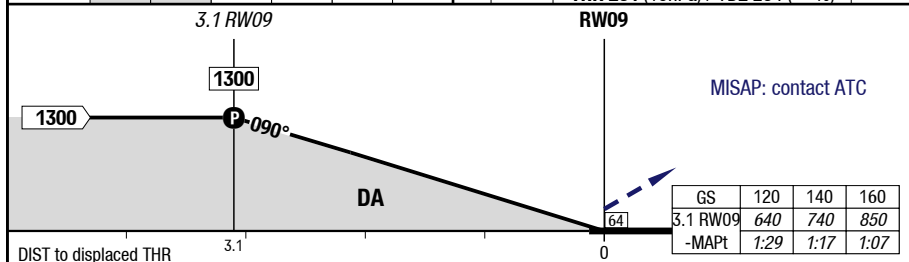
3) With EVS VIS 1.3km

2) With EVS VIS 800m

Changes: ALT, Profile



3.00° RW09			3.1	3	2	1	<div> <div>09</div> <div>HL-SF</div> </div>	<div> <div>83.0°</div> <div>60 HL</div> </div>
			1300	1270	950	630		<div> <div> <div>149</div> <div>2900 x 45</div> </div> <div>560</div> <div>83.0°</div> </div> <div> <div>THR 264 (10hPa) / TDZ 264 (---%)</div> <div>+0.3%</div> </div>



09		PAR 1)	SRA	SRA APL U/S			Circling TERPS
C	ft - m/km ft	200 - 1.2V 470	440 - 1.6V 700				Not published
D	ft - m/km ft	200 - 1.2V 470	440 - 2.0V 700	440 - 2.4V 700			Not published

1) With EVS VIS 800m, wo EVS use STD

Changes: MSA, SUAs, OBST

GKE-ETNG

7-70

WxMinima Overflow

27		SRA APL U/S					Circling ¹⁾ TERPS
C	ft - m/km ft						Not published
D	ft - m/km ft	450 - 2.4V 740					Not published

1) RADAR

17-AUG-2017
GKE-ETNG

8-10

Germany **Geilenkirchen**

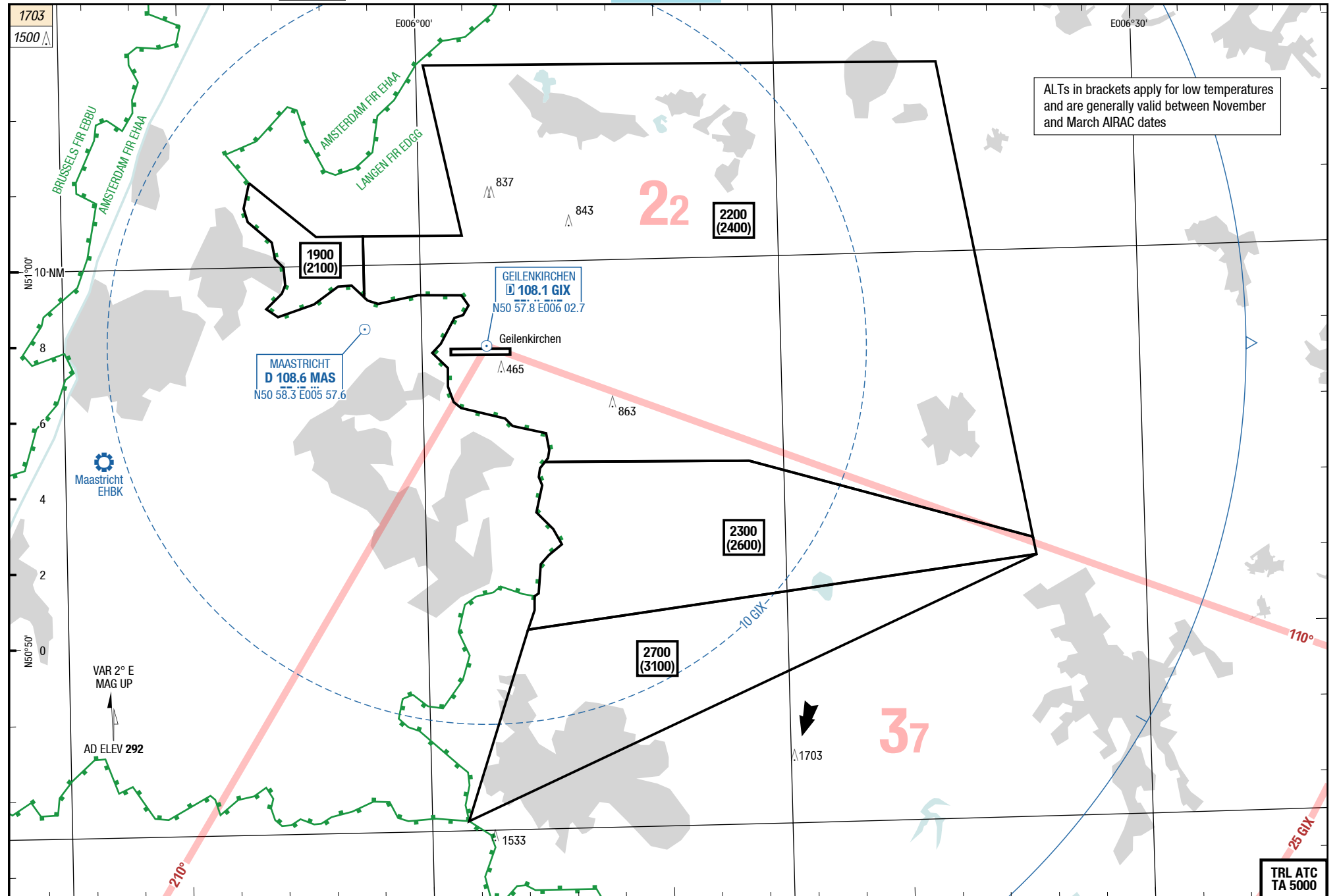

MRC

MRC

MRC

Geilenkirchen Germany


MRC



Changes: MRVA, RADAR SECT