Ministry of Defence
Military Aviation Authority the Netherlands
Airports and Airspace division
PO Box 20701
2500 ES Den Haag
MPC 58H

Rijswijk, 06 Oct 2022

AIRAC AMENDMENT 12/22

EFFECTIVE DATE 01 DEC 22

to the Military Aeronautical Information Publication
(vs 83-6100-004; pub. Nr. 010701)

1. The following changes to the MilAIP Netherlands have to be incorporated:

   a. Handamendment:

   None.

   b. Page changes:

Remove old	Insert new	Remove old	Insert new	Remove old	Insert new
GEN 0.4-1	GEN 0.4-1	EHDL 2-6	EHDL 2-6	EHWO 2-9	EHWO 2-9
GEN 0.4-4	GEN 0.4-4	EHDL 2-7	EHDL 2-7	EHWO 2-24	EHWO 2-24
GEN 0.4-6	GEN 0.4-6	EHDL 2-9	EHDL 2-9		
		EHDL 2-11	EHDL 2-11		
		up to	up to		
		EHDL 2-15	EHDL 2-15		

2. After completion:

   a. destroy obsolete pages;

   b. insert letter of promulgation before page GEN 0;

   c. record the incorporration of this amendment on page GEN 0.2-1.

3. The following MIL NOTAM are incorporated:

Military Aviation Authority NLD
In order H-ALL

W.E.W. Jacobsen
Lt Colonel

GEN 0.4 CHECKLIST OF MilAIP PAGES

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PART 1 - GENERAL (GEN)			**GEN 1**			2.2-6	12 NOV 2015
						2.3-1	27 JAN 2022
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0.1-4	12 NOV 2015		1.6-2	30 JAN 2020		2.6-1	12 NOV 2015
0.2-1	23 APR 2020		1.6-3	03 NOV 2022		2.6-2	12 NOV 2015
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0.3-1	28 APR 2016		1.7-1	03 DEC 2020		**GEN 3**	
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0.4-1	01 DEC 2022		1.7-3	22 APR 2021		3.1-1	30 JAN 2020
0.4-2	03 NOV 2022		1.7-4	22 APR 2021		3.1-2	07 DEC 2017
0.4-3	03 NOV 2022		1.7-5	22 APR 2021		3.1-3	30 DEC 2021
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0.4-6	01 DEC 2022		**GEN 2**			3.2-2	12 NOV 2015
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0.6-3	30 JAN 2020		2.2-2	13 OCT 2016		3.4-1	12 NOV 2015
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			2.2-4	12 NOV 2015		3.5-1	07 DEC 2017
			2.2-5	12 NOV 2015		3.5-2	01 FEB 2018

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3.6-3	18 AUG 2016						
3.6-4	30 JAN 2020		1.2-1	18 JUN 2020		**ENR 2**	
			1.2-2	18 JUN 2020			
GEN 4			1.3-1	18 JUN 2020		2.1-1	12 NOV 2015
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0.6-4	24 FEB 2022		1.7-1	12 NOV 2015		3.5-6	08 OCT 2020
0.6-5	16 JUN 2022		1.7-2	30 JAN 2020		3.5-7	24 FEB 2022
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			1.8-2	12 NOV 2015		3.5-9	07 DEC 2017
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1.2-1	12 NOV 2015		EHEH 2-3	19 May 2022		EHGR 2-3	19 May 2022
1.2-2	12 NOV 2015		EHEH 2-4	28 JAN 2021		EHGR 2-4	28 JAN 2021
1.3-1	12 NOV 2015		EHEH 2-5	15 JUL 2021		EHGR 2-5	14 JUL 2022
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			EHEH 2-7	18 JUN 2020		EHGR 2-7	03 JAN 2019
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EHDL 2-7	01 DEC 2022		EHEH 2-16	09 SEP 2021			
			EHEH 2-17	09 SEP 2021			

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EHKD 2-4	28 APR 2016		EHLW 2-4	28 JAN 2021		EHLW 2-33	24 FEB 2022
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EHVK 2-16	03 DEC 2020		EHWO 2-24	01 DEC 2022			
EHVK 2-17	20 MAY 2021						
EHVK 2-18	03 DEC 2020						
EHVK 2-19	03 DEC 2020						
EHVK 2-20	09 SEP 2021						
EHVK 2-21	09 SEP 2021						
EHVK 2-22	05 NOV 2020						
EHWO 2-1	27 JAN 2022						
EHWO 2-2	28 JAN 2021						
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EHWO 2-4	19 MAY 2022						
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EHWO 2-9	01 DEC 2022						
EHWO 2-10	03 NOV 2022						
EHWO 2-11	03 NOV 2022						
EHWO 2-12	03 NOV 2022						
EHWO 2-13	03 NOV 2022						
EHWO 2-14	03 NOV 2022						
EHWO 2-15	03 NOV 2022						

EHDL AD 2.18 Air traffic services communication facilities

STATION/ SERVICE	CALL SIGN OR IDENTIFICATION	FREQUENCY MHz	HOURS	REMARKS
1	2	3	4	5
	As appropriate	121.500 243.000	HO	Emergency FREQ for all services
TWR	Deelen Tower	129.930*) 122.100**) 312.400*) 257.800**)	HO	*)Primary FREQ **)O/R
APP	RAPCON West	123.580 399.725	HO	Radar equipped

EHDL AD 2.19 Radio navigation and landing aids

FACILITY	ID	CHANNEL FREQ.	HOURS	CO-ORD.	RANGE/ ALTITUDE	REMARKS
1	2	3	4	5	6	7
TACAN	DLN	CH 59X	H24	52°03'26.45"N 005°52'21.47"E	40 NM/25000 ft	FREQ protected
ILS19 LOCAL-IZER	DNS	108.700	H24	52°02'45.383"N 005°51'54.422"E		
GLIDE-PATH		330.500	H24	52°04'02.944"N 005°52'27.312"E		ILS-antenna 201ft AMSL
DME 19	DNS	CH 24X	H24	52°04'02.944"N 005°52'27.312"E		Situated on Glidepath 20. One direction only.

EHDL AD 2.20 Local traffic regulations

Glider- and Light ACFT flying

Glidersite Terlet is located within the Deelen CTR/RMZ. Daily SR/SS the areas Terlet 1, Terlet 2, and Terlet 3 (see Local map) can be activated. Intensive gliderflying may be expected during activation of these areas.

EHDL AD 2.21 Noise abatement procedures

To be developed.

EHDL AD 2.22 Flight procedures

IFR procedures

The IAP and SID procedures are established in accordance with the 'Criteria for the preparation of Instrument Approach and Departure Procedures (APATC-1)'.

VFR procedures

APPROACH PROCEDURES:

HEL are to approach at 750 ft via one of the following IPs:	
IP Woeste Hoeve (WH)	PSN approx. 3 NM north-east of the AD
IP West:	PSN approx. 2 NM south-west of the AD
IP East:	PSN along road Apeldoorn-Arnhem, 1 NM north of intersection with motorway A-50.

DEPARTURE PROCEDURES:
Departure depending on intentions as directed by ATC.

REPORTING POINTS:

IP WH:	52°06,04.20”N 005°57’07.20”E
IP West:	52°02’09.00”N 005°48’56.40”E
IP East:	52°01’48.60”N 005°55’44.40”E

CIRCUIT PROCEDURES:
Circuitaltitude 750 ft AMSL, direction 19 L/H, 01 R/H, 13 L/H, 31 R/H, 07 L/H and 25 R/H

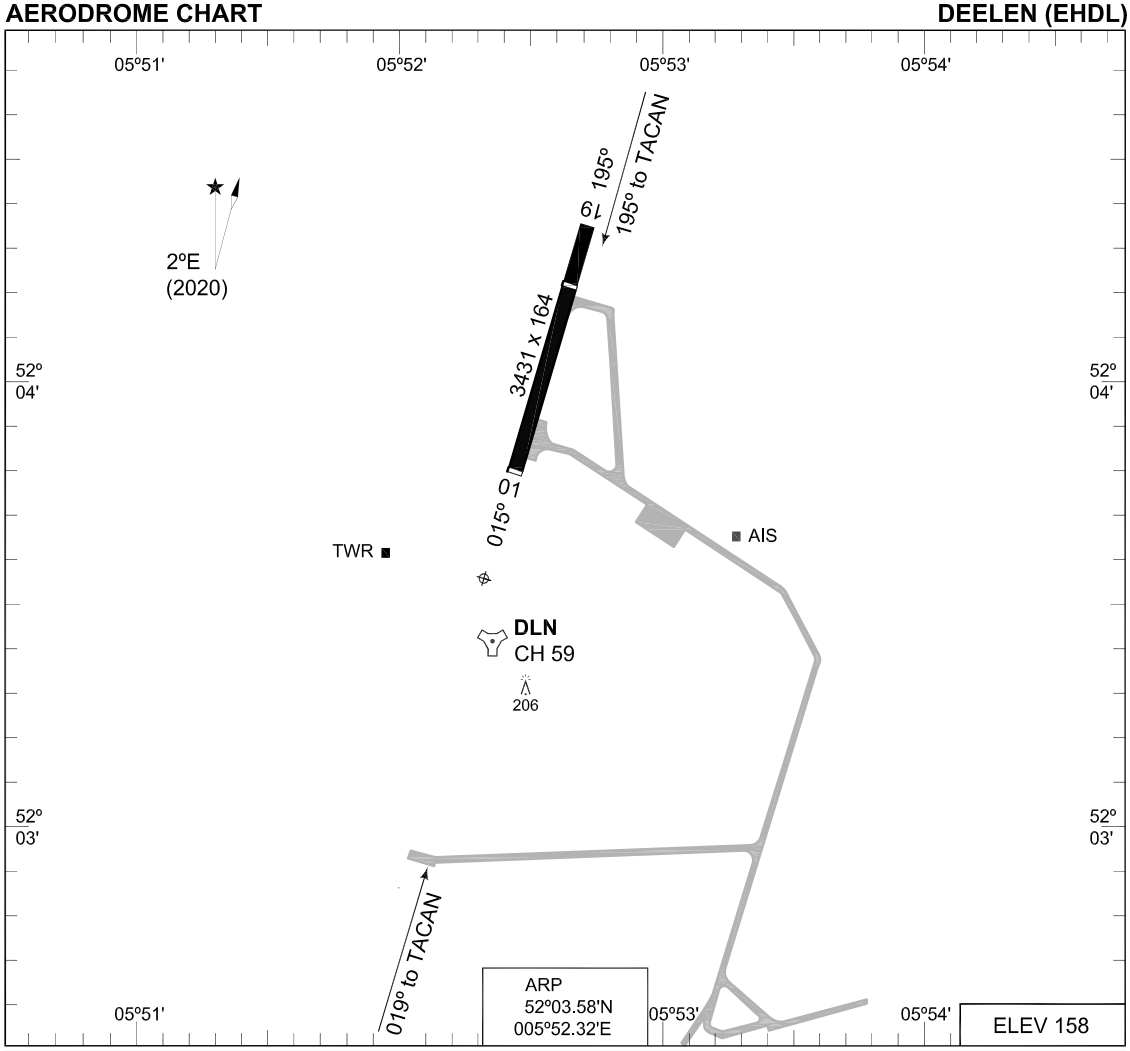
EHDL AD 2.23 Additional information

Approach control through Rapcon West.

EHDL AD 2.24 Charts related to an aerodrome

Aerodrome Chart	EHDL AD 2-7
Local map	EHDL AD 2-8
MVA chart	EHDL AD 2-9
Instrument approach chart TACAN RWY 01	EHDL AD 2-11
Instrument approach chart Copter TACAN 01	EHDL AD 2-12
Instrument approach chart ILS or LOC RWY 19	EHDL AD 2-13
Instrument approach chart TACAN RWY 19	EHDL AD 2-14
Instrument approach chart Copter TACAN 19	EHDL AD 2-15

MIPS
AERODROME CHART **DEELEN (EHDL)**



RWY	LCN	TORA	ASDA	TODA	LDA				TDZE	THR PSN
19	30	3431	3431	3431	2536				158	52°04.20'N 005°52.62'E
01	30	3431	3431	3431	3411				151	52°03.81'N 005°52.43'E

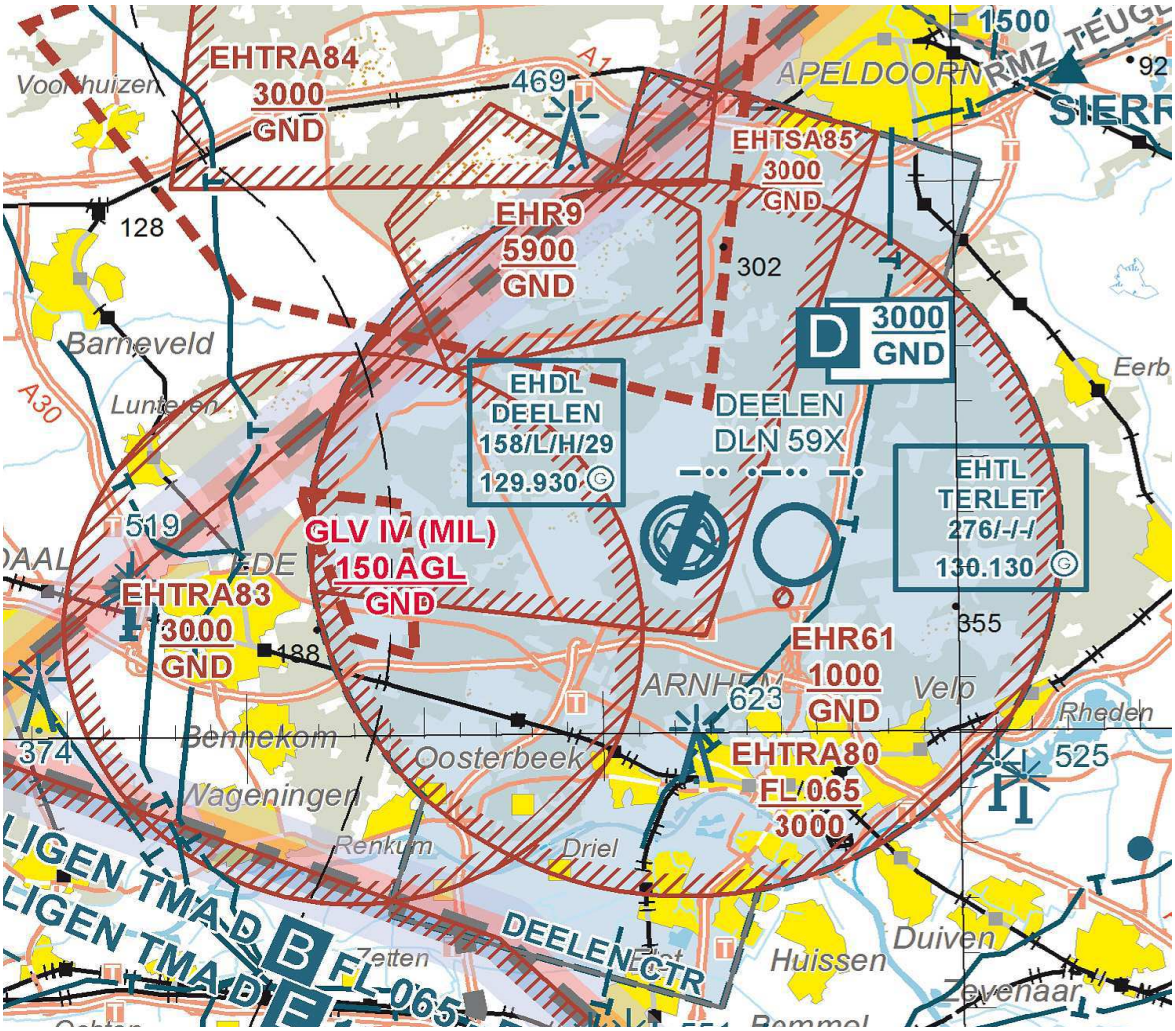
DEELEN TWR 312.400 129.930
RAPCON WEST 399.725 123.580

	PROC. CRITERIA	RWY	GS	TCH	OTCH	RPI	CAT	MINIMA CRITERIA	MINIMA

CHANGES: EDITORIAL

RNLAF 01 DEC 2022

LOCAL MAP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DLN 59X
EHTL
TERLET
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EHTRA83
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GND
EHR61
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EHTRA80
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Barneveld
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Bennekom
Oosterbeek
Renkum
Driel
Zetten
Huissen
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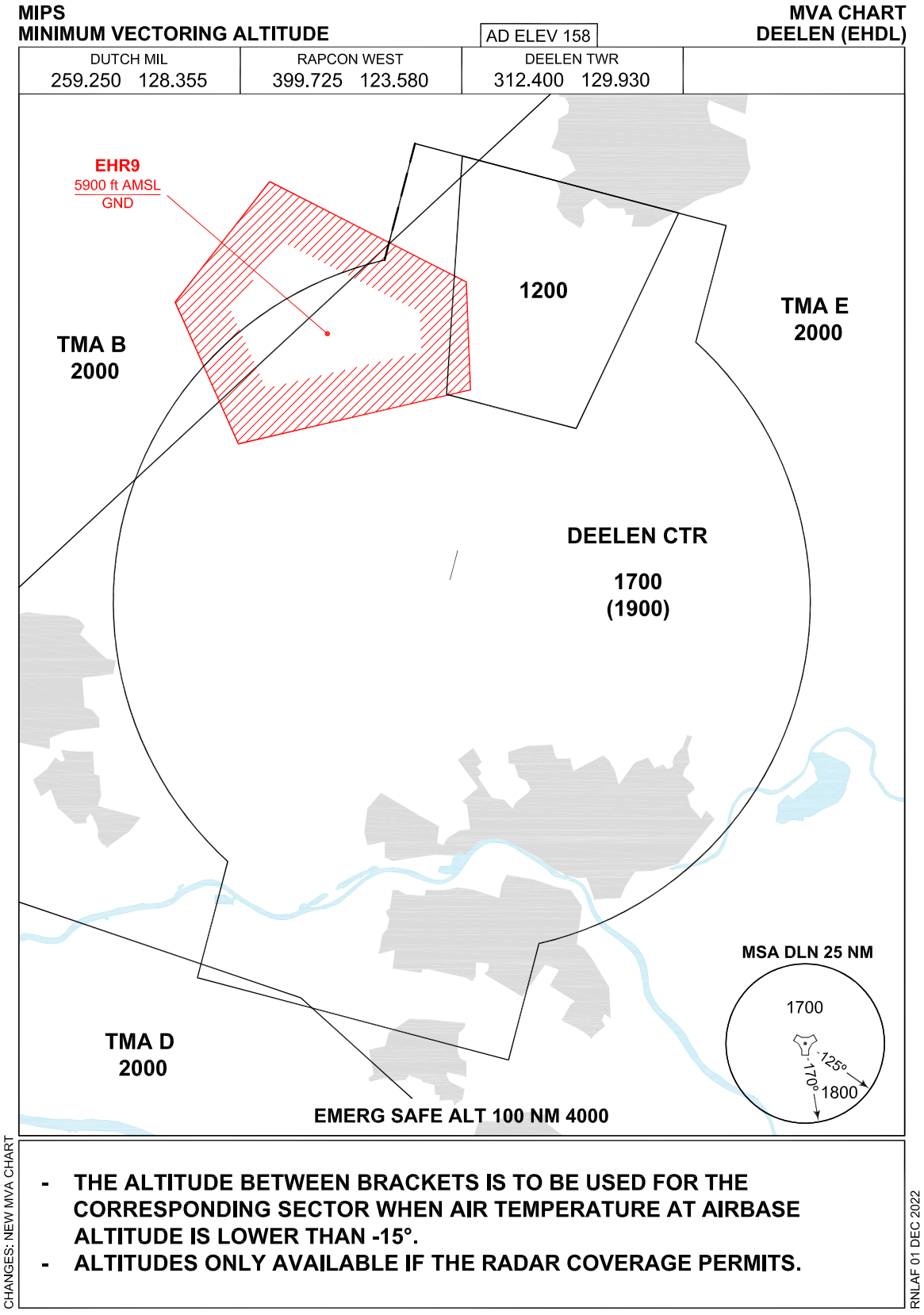

MIPS
MINIMUM VECTORING ALTITUDE
AD ELEV 158
MVA CHART
DEELEN (EHDL)
DUTCH MIL
259.250 128.355
RAPCON WEST
399.725 123.580
DEELEN TWR
312.400 129.930
EHR9
5900 ft AMSL
GND
1200
TMA E
2000
TMA B
2000
DEELEN CTR
1700
(1900)
MSA DLN 25 NM
1700
125°
170°
1800
TMA D
2000
EMERG SAFE ALT 100 NM 4000
- THE ALTITUDE BETWEEN BRACKETS IS TO BE USED FOR THE CORRESPONDING SECTOR WHEN AIR TEMPERATURE AT AIRBASE ALTITUDE IS LOWER THAN -15°.
- ALTITUDES ONLY AVAILABLE IF THE RADAR COVERAGE PERMITS.
CHANGES: NEW MVA CHART
RNLAF 01 DEC 2022

Co-ordinates

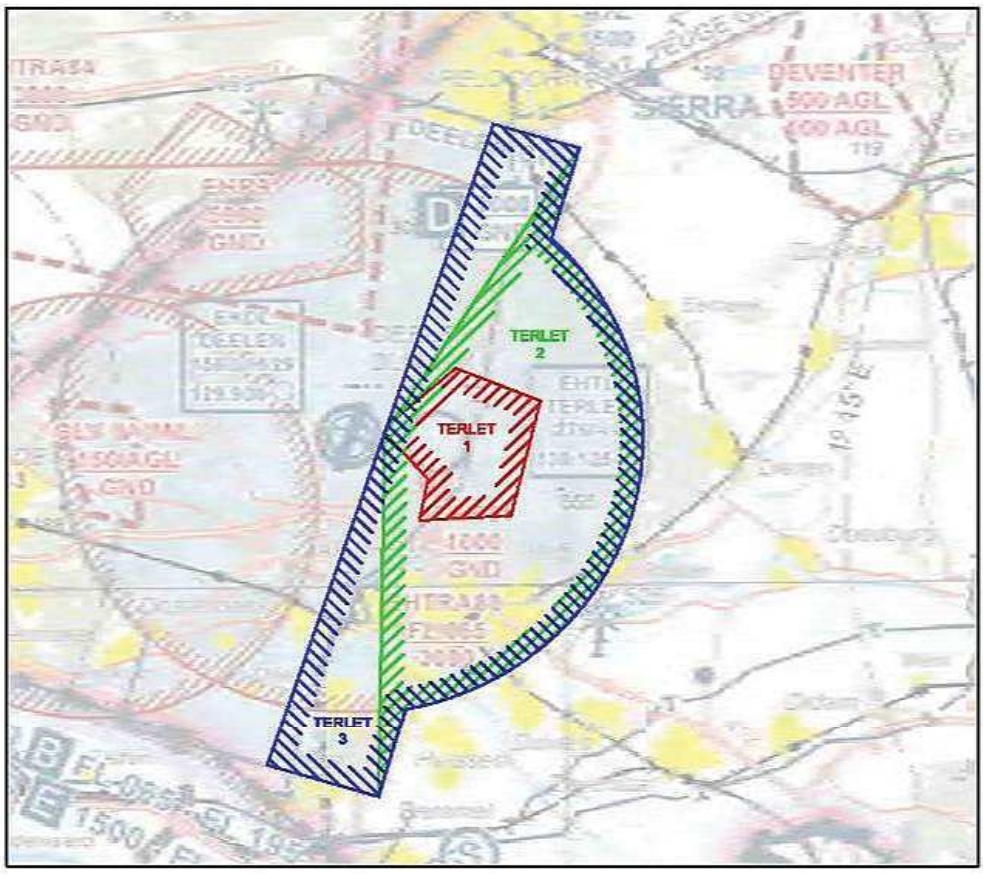
TERLET 1:
For execution of flying activities, within the CTR/RMZ Deelen the following area can be
assigned to the NZC Terlet up to the tower boundary of Terlet-2 or Terlet-3, limited by the following co-ordinates:

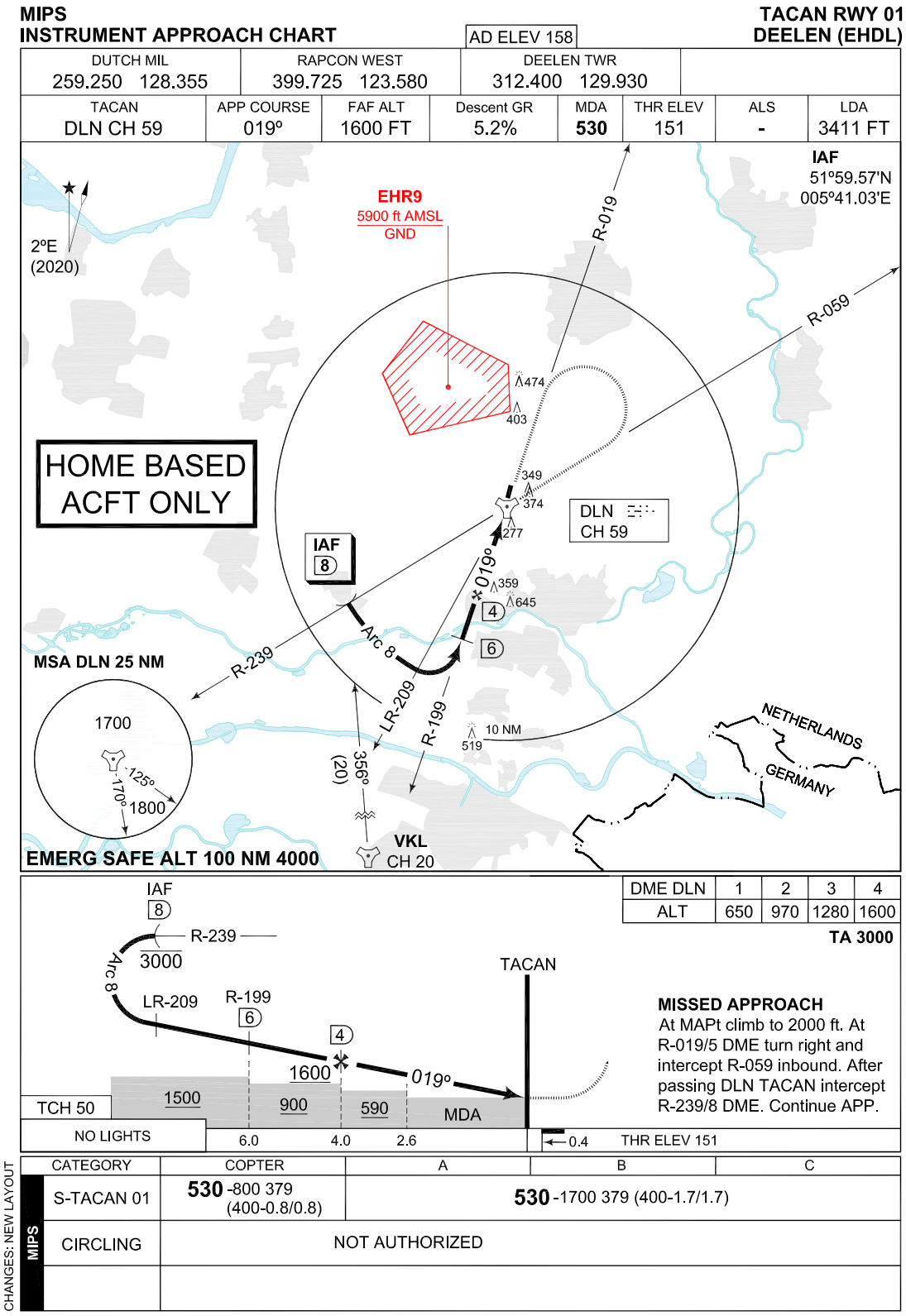
Terlet-1
52°05'18,00"N 005°56'03.00"E; 52°04'47.00"N 005°58'54.00"E; 52°02'22.62"N 005°58'20.14"E; 52°02'16.67"N 005°55'05.35"E; 52°02'57.94"N 005°55'13.66"E; 52°03'41.40"N 005°53'53.77"E; 52°04'07.26"N 005°54'09.39"E; to point of origin. vertical limits; GND-925 ft AMSL

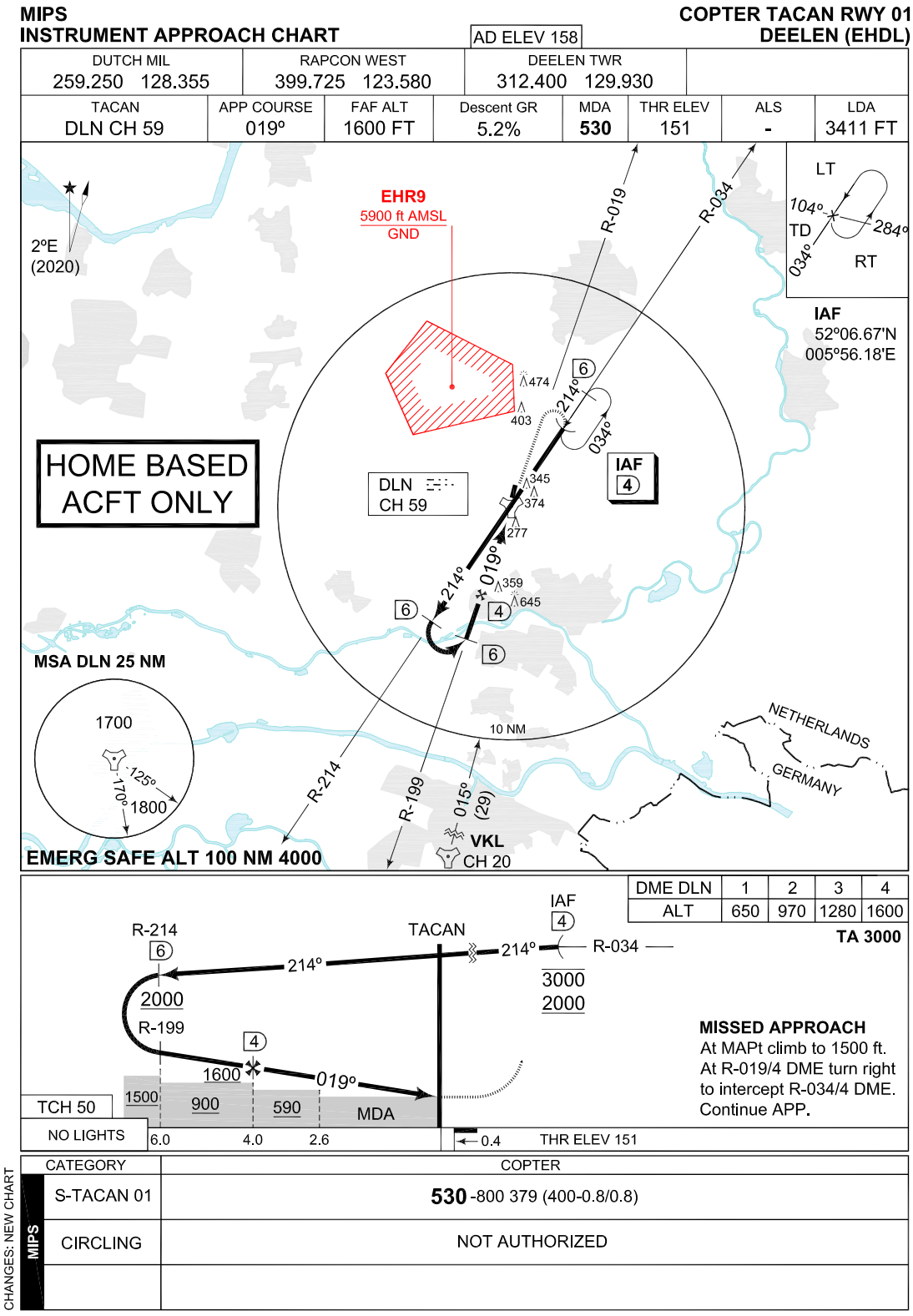
As supplement to area Terlet 1, area Terlet 2 or Terlet 3 needs to be assigned.

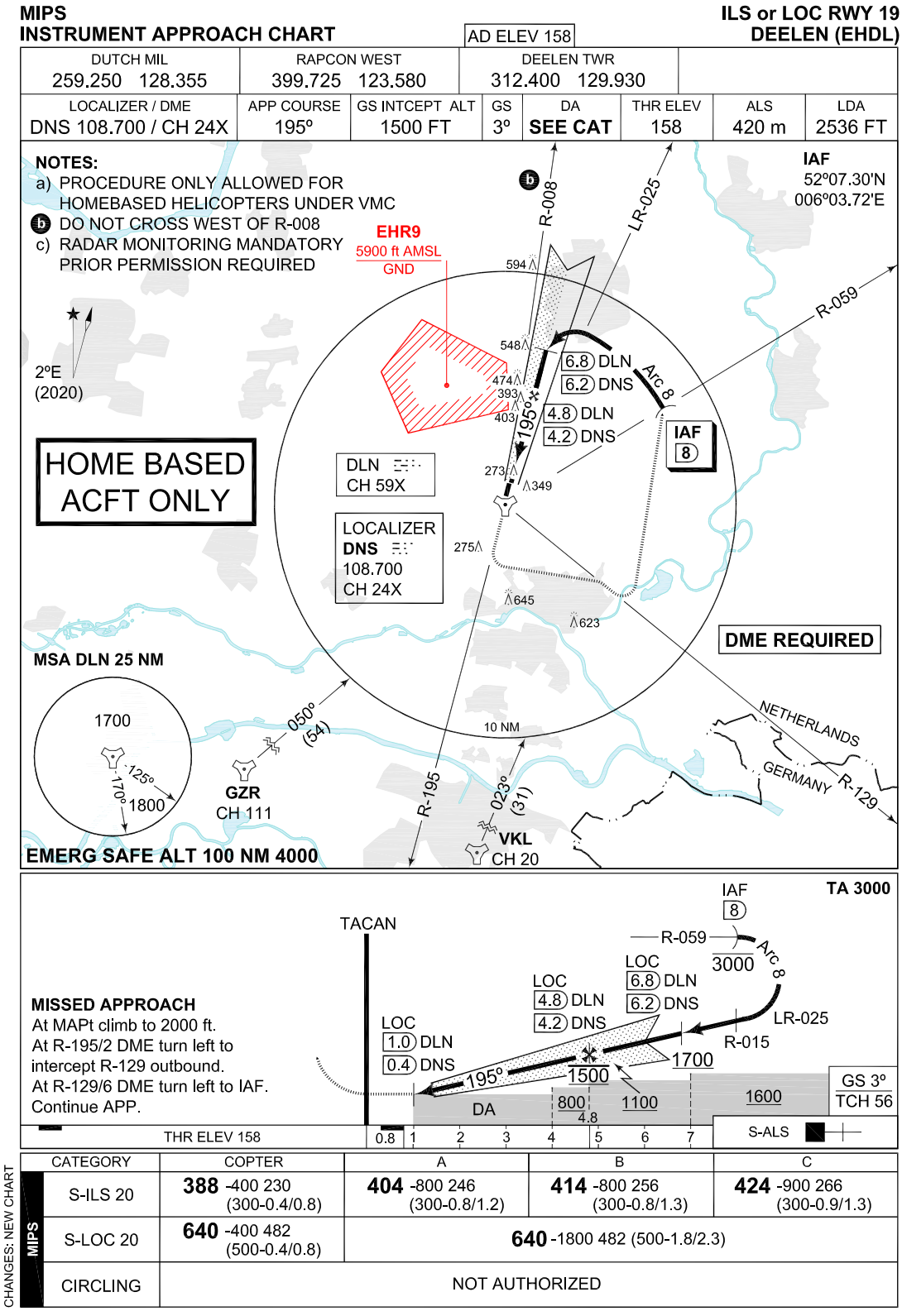
TERLET-2, TERLET-3:
The upper limit is equal to the upper limit of the CTR/RMZ Deelen limited by the following coordinates:

Terlet-2	Terlet-3
52°03'41.40"N 005°53'53.77"E; 52°10'20.78"N 006°00'46.09"E; 52°08'12.82"N 005°59'42.21 "E; along clockwise arc (radius 6.5 NM, centre 52°03'35.02"N 005°52'18.97"E) to 51°57'12.08"N 005°54'14.21"E; 51°55'03.92"N 005°53'10.91"E; to point of origin. vertical limits; 925 ft AMSL- 3000 ft AMSL	52°10'53,01"N 005°57'54.56"E; 52°10'20.78"N 006°00'46.06"E; 52°08'12.82"N 005°59'42.21"E; along clockwise arc (radius 6.5 NM, centre 52°03'35.02"N 005°52'18.97"E;) to 51°57'12.08"N 005°54'14.21"E; 51°55'03.92"N 005°53'10.91"E; 51°55'45.67"N 005°49'29.94"E; to point of origin. vertical limits; 925 ft AMSL- 3000 ft AMSL




MIPS
INSTRUMENT APPROACH CHART
AD ELEV 158
TACAN RWY 01
DEELEN (EHDL)
DUTCH MIL
259.250 128.355
RAPCON WEST
399.725 123.580
DEELEN TWR
312.400 129.930
TACAN
DLN CH 59
APP COURSE
019°
FAF ALT
1600 FT
Descent GR
5.2%
MDA
530
THR ELEV
151
ALS
-
LDA
3411 FT
IAF
51°59.57'N
005°41.03'E
EHR9
5900 ft AMSL
GND
2°E
(2020)
R-019
R-059
474
403
HOME BASED
ACFT ONLY
349
374
277
DLN
CH 59
IAF
8
019°
359
645
4
6
Arc 8
R-239
LR-209
R-199
MSA DLN 25 NM
1700
125°
170°
1800
10 NM
519
356°
(20)
VKL
CH 20
EMERG SAFE ALT 100 NM 4000
NETHERLANDS
GERMANY
DME DLN
1
2
3
4
ALT
650
970
1280
1600
TA 3000
IAF
8
R-239
3000
Arc 8
LR-209
R-199
6
4
1600
019°
TACAN
MISSED APPROACH
At MAPt climb to 2000 ft. At R-019/5 DME turn right and intercept R-059 inbound. After passing DLN TACAN intercept R-239/8 DME. Continue APP.
TCH 50
1500
900
590
MDA
NO LIGHTS
6.0
4.0
2.6
0.4
THR ELEV 151
CATEGORY
COPTER
A
B
C
S-TACAN 01
530 -800 379 (400-0.8/0.8)
530 -1700 379 (400-1.7/1.7)
CIRCLING
NOT AUTHORIZED
CHANGES: NEW LAYOUT
MIPS
RNLAF 01 DEC 2022


MIPS
INSTRUMENT APPROACH CHART
AD ELEV 158
COPTER TACAN RWY 01
DEELEN (EHDL)
DUTCH MIL
259.250 128.355
RAPCON WEST
399.725 123.580
DEELEN TWR
312.400 129.930
TACAN
DLN CH 59
APP COURSE
019°
FAF ALT
1600 FT
Descent GR
5.2%
MDA
530
THR ELEV
151
ALS
-
LDA
3411 FT
2°E
(2020)
EHR9
5900 ft AMSL
GND
HOME BASED
ACFT ONLY
DLN
CH 59
R-019
R-034
LT
104°
TD
284°
034°
RT
IAF
52°06.67'N
005°56.18'E
IAF
4
214°
034°
019°
MSA DLN 25 NM
1700
125°
170°
1800
10 NM
R-214
R-199
015°
(29)
VKL
CH 20
EMERG SAFE ALT 100 NM 4000
NETHERLANDS
GERMANY
DME DLN 1 2 3 4
ALT 650 970 1280 1600
TA 3000
R-214
TACAN
214°
R-034
3000
2000
2000
R-199
1600
019°
1500
900
590
MDA
TCH 50
NO LIGHTS
6.0
4.0
2.6
0.4
THR ELEV 151
MISSED APPROACH
At MAPt climb to 1500 ft.
At R-019/4 DME turn right
to intercept R-034/4 DME.
Continue APP.
CATEGORY
COPTER
S-TACAN 01
530 -800 379 (400-0.8/0.8)
CIRCLING
NOT AUTHORIZED
CHANGES: NEW CHART
MIPS
RNLAF 01 DEC 2022



CATEGORY	COPTER	A	B	C
S-ILS 20	**388** -400 230 (300-0.4/0.8)	**404** -800 246 (300-0.8/1.2)	**414** -800 256 (300-0.8/1.3)	**424** -900 266 (300-0.9/1.3)
S-LOC 20	**640** -400 482 (500-0.4/0.8)	**640** -1800 482 (500-1.8/2.3)		
CIRCLING	NOT AUTHORIZED			

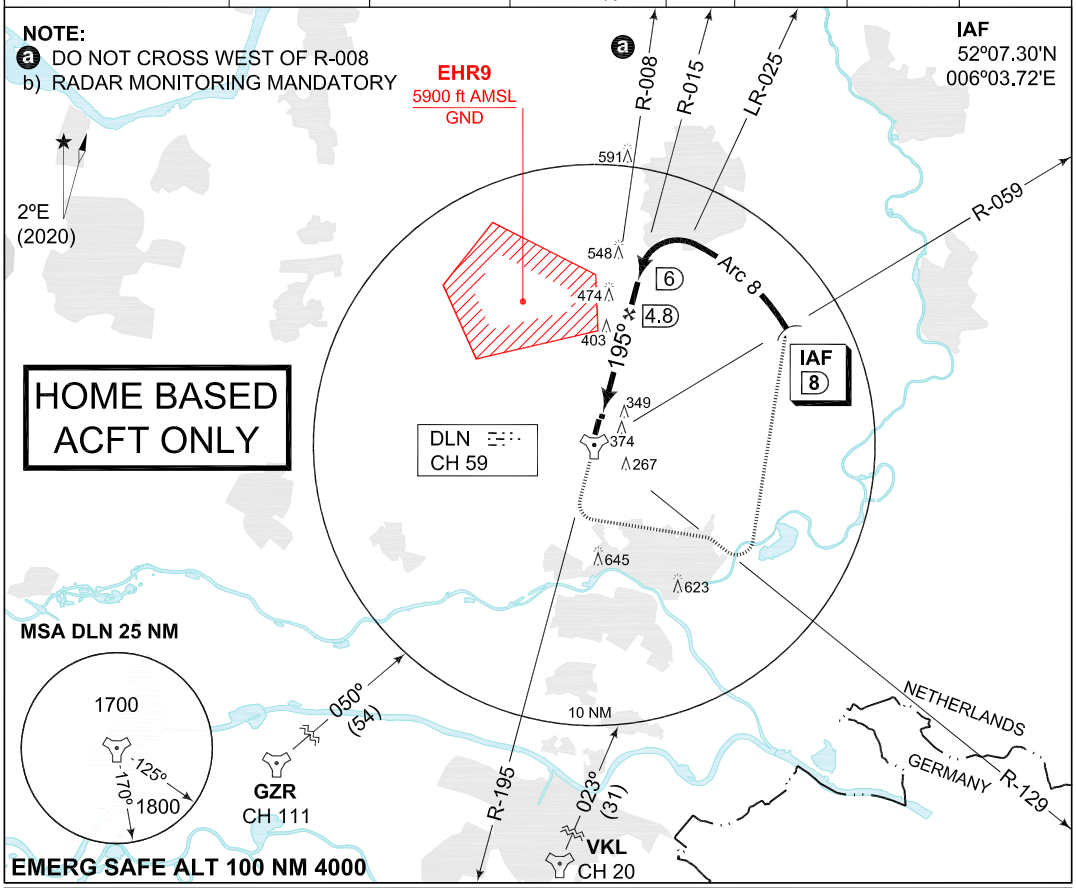
MIPS
INSTRUMENT APPROACH CHART

AD ELEV 158

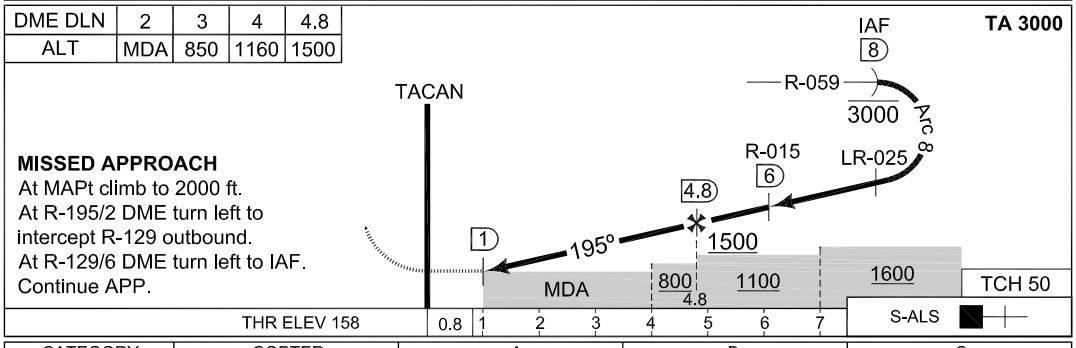
TACAN RWY 19
DEELEN (EHDL)

DUTCH MIL	RAPCON WEST	DEELEN TWR
259.250 128.355	399.725 123.580	312.400 129.930

TACAN	APP COURSE	FAF ALT	Descent GR	MDA	THR ELEV	ALS	LDA
DLN CH 59	195°	1500 FT	5.2%	**650**	158	420 m	2536 FT



DME DLN	2	3	4	4.8
ALT	MDA	850	1160	1500



MISSED APPROACH
At MAPt climb to 2000 ft.
At R-195/2 DME turn left to intercept R-129 outbound.
At R-129/6 DME turn left to IAF.
Continue APP.

CATEGORY	COPTER	A	B	C
S-TACAN 19	**650** -400 492 (500-0.4/0.8)	**650** -1800 492 (500-1.8/2.3)		
CIRCLING	NOT AUTHORIZED			

CHANGES: NEW CHART
MIPS
RNLAF 01 DEC 2022

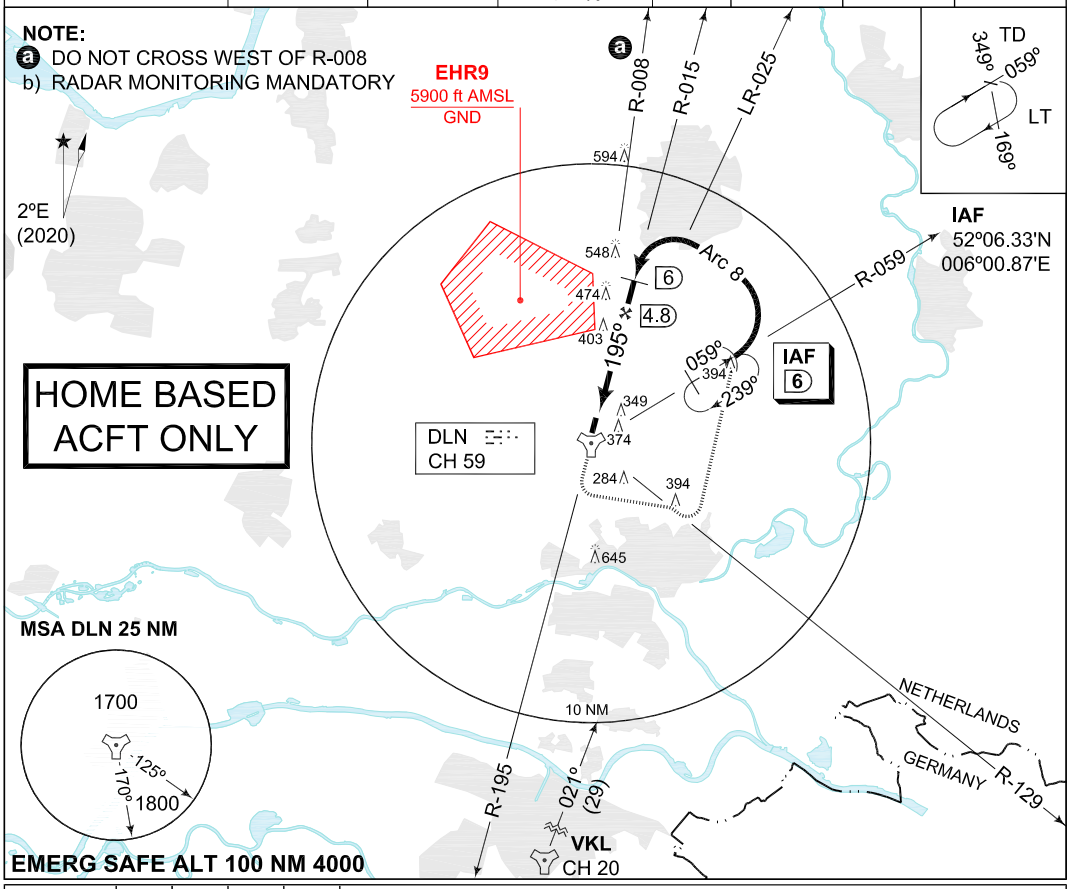
MIPS
INSTRUMENT APPROACH CHART

AD ELEV 158

COPTER TACAN RWY 19
DEELEN (EHDL)

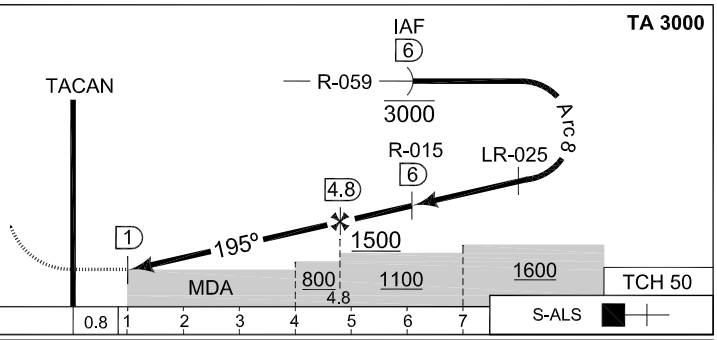
DUTCH MIL	RAPCON WEST	DEELEN TWR
259.250 128.355	399.725 123.580	312.400 129.930

TACAN	APP COURSE	FAF ALT	Descent GR	MDA	THR ELEV	ALS	LDA
DLN CH 59	195°	1500 FT	5.2%	**650**	158	420 m	2536 FT



DME DLN	2	3	4	4.8
ALT	MDA	850	1160	1500

MISSED APPROACH
At MAP climb to 2000 ft.
At R-195/2 DME turn left to intercept R-129 outbound.
At R-129/4 DME turn left to intercept R-059/6 DME.
Continue APP.



CATEGORY	COPTER
S-TACAN 19	**650** -400 492 (500-0.4/0.8)
CIRCLING	NOT AUTHORIZED

CHANGES: NEW CHART
MIPS
RNLAF 01 DEC 2022

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RNP approach RWY 25

serial number	Path Descriptor	WPT ident	Fly Over	Course-Mag°/(T°)	Recom navaid	Dist nm	turn	Altitude (ft AMSL)	Speed (KIAS)	VPA (°TCH(ft))	NAV Spec
001	IF	BEXWI	-	-	-	-	-	+2000	-	-	RNAV1
002	TF	UPJEF	-	081/(082.4)	-	5.0	-	+2000	-	-	RNAV1
003	TF	NIRUC	-	158/(159.6)	-	5.0	-	+2000	-	-	RNAV1
004	IF	VUZCO	-	-	-	-	-	+2000	-	-	RNAV1
005	TF	NIRUC	-	248/(249.5)	-	5.0	-	+2000	-	-	RNAV1
006	IF	NIRUC	-	-	-	-	-	+2000	-	-	-
007	TF	WO412	-	248/(249.5)	-	4.3	-	+2000	-	-	RNP APCH
008	TF	THR25	Y	248/(249.4)	-	5.9	-		-	-3.00/54	RNP APCH
009	CF	WO416	Y	248/(249.3)	-	2.6	-	-1000	-	-	RNP APCH
010	DF	WO417	Y	248/(249.3)	-	3	-		-	-	RNP APCH
011	DF	WO418	-	-	-	-	R	+3000	-	-	RNP APCH
012	TF	BEXWI	-	081/(082.4)	-	8.8	-	+3000	-	-	RNP APCH

FAS data block RWY 25

Input data	
Operation Type	0
SBAS Provider	1 (EGNOS)
Airport Identifier	EHWO
Runway	25
Runway Letter	0 (None)
Approach Performance Designator	0
Route Indicator	
Reference Path Data Selector	0
Reference Path Identifier	E25A
LTP/FTP Latitude	512710.3410N
LTP/FTP Longitude	0042130.9220E
LTP/FTP Ellipsoidal Height (metres)	63.7
FPAP Latitude	512642.4915N
Delta FPAP latitude (seconds)	-27.8495
FPAP longitude	0041932.5655E
Delta FPAP Longitude (seconds)	-118.3565

Threshold Crossing Height	54.0
TCH Units Selector	0 (feet)
Glidepath Angle (degrees)	3.00
Course Width (metres)	105.00
Length Offset (metres)	0
HAL (metres)	40.0
VAL (metres)	35.0

Output	
Data Block	10 0F 17 08 05 19 00 00 01 35 32 05 0A C8 14 16 54 D9 DE 01 7D 16 6D 26 FF 57 63 FC 1C 02 2C 01 64 00 C8 AF 71 22 E2 EE
Calculated CRC Value	7122E2EE
Supplied CRC Value	7122E2EE
Comparison Result	OK

Required Additional Data	
ICAO Code	WO
LTP/FTP Orthometric Height (metres)	19.2

VFR procedures

APPROACH PROCEDURES:
Both circuits are to be flown to the north, R/H pattern for RWY 25 and L/H pattern for RWY 07. The part of the approach in the CTR towards IP shall be flown at 2000 ft. After passing IP descend to 1500 ft circuit altitude.

CIRCUIT ALTITUDES:

Overhead pattern: 1500 ft.

Rectangular pattern: 1000 ft.

HEL pattern: 500 ft.

INITIAL POINTS:

IP RWY 07: WDT R-257/4,3NM
51°25'41''N 004°14'03''E
A collection of bridges over the Kreekrak.

IP RWY 25: WDT R-072/3,3NM
51°28'13''N 004°26'41''E
A farm located west of the railway next to a line of trees between Wouwse Plantage and Essen.

IP North (HEL only): WDT R-027/4,1NM
51°30'29''N 004°23'38''E
Exit 25 'Wouwse Plantage' of the highway A58

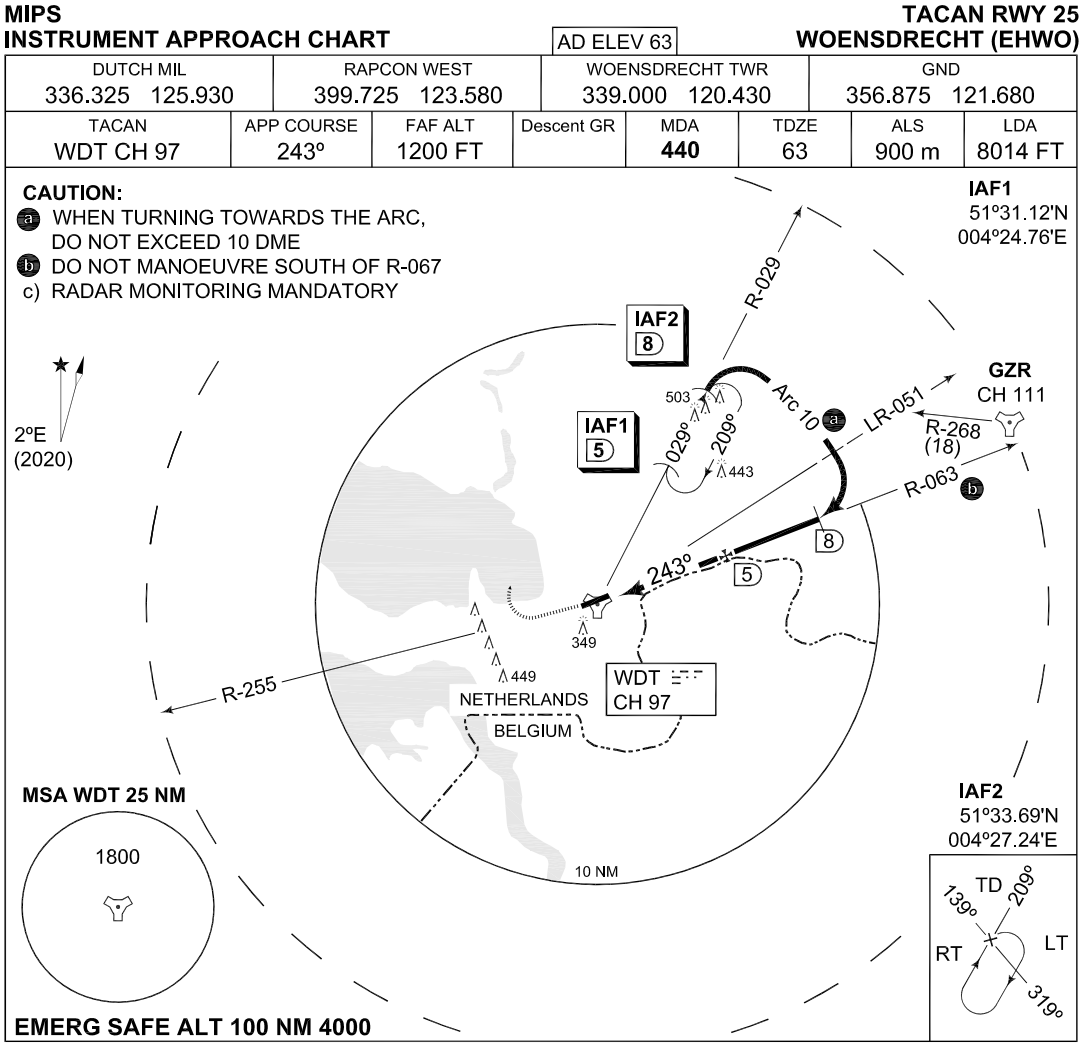
REPORTING POINTS:

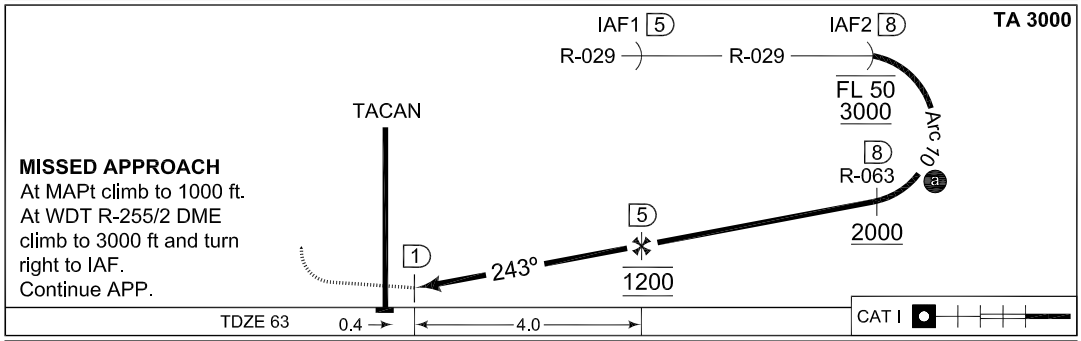
Kilo: WDT R-265/8NM
51°26'08''N 004°07'32''E
Triangular shaped beach north east of the village Krabbendijke.

MIPS
INSTRUMENT APPROACH CHART AD ELEV 63 **TACAN RWY 25**
WOENSDRECHT (EHWO)

DUTCH MIL	RAPCON WEST	WOENSDRECHT TWR	GND
336.325 125.930	399.725 123.580	339.000 120.430	356.875 121.680

TACAN	APP COURSE	FAF ALT	Descent GR	MDA	TDZE	ALS	LDA
WDT CH 97	243°	1200 FT		**440**	63	900 m	8014 FT





CATEGORY	A	B	C	D	E
S-TACAN 25	**440** -800 377 (400-0.8)			**440** -1200 377 (400-1.2)	
CIRCLING	NOT AUTHORIZED				

CHANGES: MSA MIPS

RNLAF 30 DEC 2021

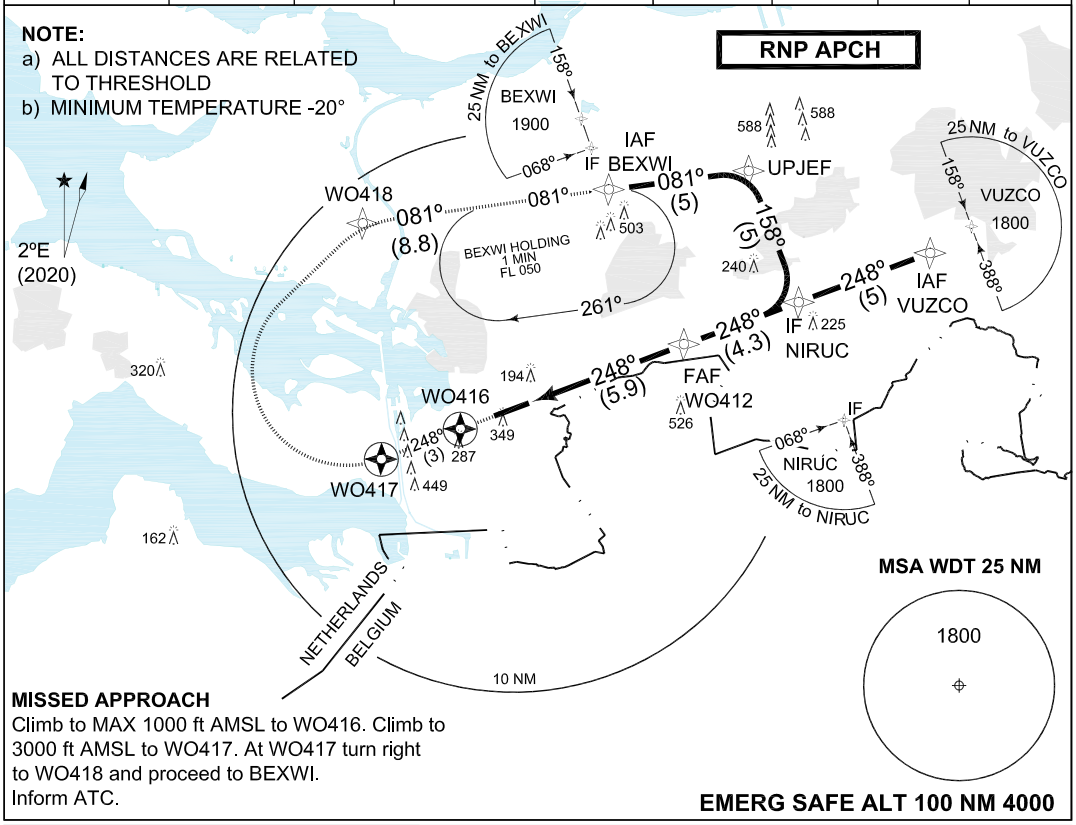
PANS OPS
INSTRUMENT APPROACH CHART

AD ELEV 63

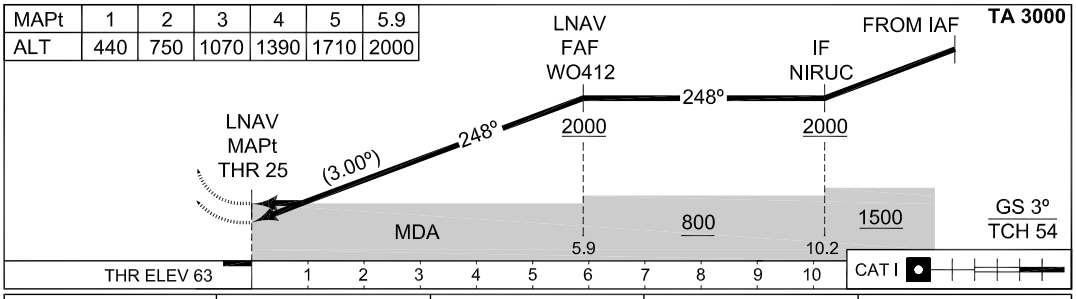
RNP RWY 25
WOENSDRECHT (EHWO)

DUTCH MIL	RAPCON WEST	WOENSDRECHT TWR	GND CTL	ATIS*
336.325 125.930	399.725 123.580	339.000 120.430	356.875 121.680	

EGNOS CHANNEL	APP COURSE	FAF ALT	Descent GR	MDA	DA	THR ELEV	ALS	LDA
51845 E25A	248°	2000 FT	5.24% / 3.0°	**SEE CAT**	**SEE CAT**	63	900 m	8014 FT



MAPt	1	2	3	4	5	5.9
ALT	440	750	1070	1390	1710	2000



CATEGORY		A	B	C	D
EU-OPS	DA(H) LPV	**284** -550 221 (300-0.8/1.2)	**294** -550 231 (300-0.8/1.2)	**303** -550 240 (300-0.8/1.2)	**313** -550 250 (300-0.8/1.3)
	DA(H) LNAV / VNAV	**321** -600 258 (300-0.8/1.3)	**331** -600 268 (300-0.8/1.3)	**352** -650 289 (300-0.8/1.4)	**379** -700 316 (400-0.8/1.4)
	MDA(H) LNAV	**440** -1000 377 (400-1.0/1.7)		**450** -1100 387 (400-1.1/1.8)	**470** -1200 407 (500-1.2/1.9)

IAWP	VUZCO	51°32.51'N	004°44.39'E	MAWP	THR25	51°27.17'N	004°21.52'E
IAWP	BEXWI	51°34.79'N	004°26.14'E	MATWP	WO416	51°26.25'N	004°17.60'E
WP	UPJEF	51°35.44'N	004°34.09'E	MATWP	WO417	51°25.19'N	004°13.12'E
IWP	NIRUC	51°30.76'N	004°36.89'E	MATWP	WO418	51°33.61'N	004°12.09'E
FAWP	WO412	51°29.25'N	004°30.37'E	MAHF	BEXWI	51°34.79'N	004°26.14'E

CHANGES: NEW PORCEDURES

RNLAF 01 DEC 2022