

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

Rijswijk, 04 Oct 2023

**AIRAC AMENDMENT 12/23**

**EFFECTIVE DATE 30 NOV 23**

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	EHKD 2-3	EHKD 2-3		
GEN 0.4-5	GEN 0.4-5	up to EHKD 2-30	up to EHKD 2-30		

2. After completion:

- a. destroy obsolete pages;
- b. insert letter of promulgation before page GEN 0;
- c. record the incorporation of this amendment on page GEN 0.2-1.

3. The following MIL NOTAM are incorporated:

None

Military Aviation Authority NLD  
In order H-ALL

R.P.A.C. Scheepens  
Lt Colonel



### GEN 0.4 CHECKLIST OF MiAIP PAGES

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## EHKD AD 2.8 Aprons, taxiways and check locations/positions data

1	Apron surface and strength	Tarmac/concrete, MIL Apron PCN 35 F/A/W/T
2	TWY width, surface and strength	TWY DELTA : Width 12 m PCN 33 F/A/W/T TWY DELTA 1: Width 12 m PCN 38 F/A/W/T TWY DELTA 2: Width 12 m PCN 47 F/A/W/T TWY DELTA 2X: Width 9,50 m PCN 21 F/A/W/T TWY DELTA 4: Width 12 m PCN 47 F/A/W/T TWY LIMA : Width 12 m PCN 33 F/A/W/T TWY PAPA: Width 12 m PCN 42 F/A/W/T
3	Altimeter checkpoint location elevation	Location 1: MIL apron (52° 55'31"N 4°47'04"E) Elevation: 2 ft AMSL Location 2: TWY LIMA (52°55'17"N 4°46'54"E) Elevation: 2 ft AMSL
4	Remarks	Dummy deck: PCN: 37 F/A/W/T

## EHKD AD 2.9 Surface movement guidance and control system and markings

According STANAG 3158		
1	Remarks	Nil

## EHKD AD 2.10 Aerodrome obstacles

see Aerodrome Chart.		
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## EHKD AD 2.11 Meteorological information provided

1	Associated MET Office	De Kooy
2	Hours of service MET Office outside hours	HO Joint Meteorological Group
3	Office responsible for TAF preparation Periods of validity	Joint Meteorological Group 12 hrs
4	Type of landing forecast Interval of issuance	TREND Every 30 min during opr hrs
5	Flight documentation Language(s) used	Reports, forecasts and charts. English and Dutch.
6	Charts and other information AVBL for briefing or consultation	GSA, GSP, LGF, Cross section, Upperair forecasts, NVG, Radar- and Satellite Images
7	Supplementary equipment AVBL for providing information	PBS (pilot briefing system)
8	Remarks	Tel EHKD 088-9563140 or mail CLSK.DHC.LVL.METEO.MetBriefer@mindef.nl Tel JMG 0164-693111 or mail JMG.WX.PLANNING@mindef.nl

## EHKD AD 2.12 Runway physical characteristics

1	RWY dimensions/a-gear	See Aerodrome Chart. Values in ft.
2	RWY surface	Tarmac/concrete
3	RWY strength	PCN 03: 62 F/A/W/T 21: 62 F/A/W/T

## EHKD AD 2.13 Declared distances

RWY designator	TORA (FT)	TODA (FT)	ASDA (FT)	LDA (FT)	Remarks
03	4184	4381	4184	3377	Take-off from runway extremity
		2379			Take-off from intersection with D3
		1924			Take-off from intersection with D2X
		1418			Take-off from intersection with D2
21	3789	3986	3789	3334	Take-off from runway extremity
		2861			Take-off from intersection with D2
		2347			Take-off from intersection with D2X
		1909			Take-off from intersection with D3
For determination of the datum line for an intersection take-off, see EHKD AD 2.23 paragraf 6					

## EHKD AD 2.14 Approach and runway lighting

According STANAG 3316		
1	Approach lighting	RWY 21: CAT I. 870 m RWY 03: S-ALS. 360 m
2	RWY lighting	VHI
3	PAPI	Situated on the left side of both RWYs
4	Remarks	Nil



### EHKD AD 2.15 Other lighting, secondary power supply

1	LDI	Nil
2	TWY edge lighting	VB
3	Emergency RWY lighting	No
4	Emergency TWY edge lighting	No
5	Secondary power supply/switch-over	AVBL, switch over time 15 seconds
6	Remarks	Anemometer in front of TWR, lighted

### EHKD AD 2.16 Helicopter landing area

Helipad 1		
1	Co-ordinates TLOF or THR of FATO Geoid undulation	52°55'40"N 4°47'08"E Located on runway in pre-threshold area RWY 21
2	TLOF and/or FATO elevation FT	3 FT
3	TLOF and FATO area dimensions, surface, strength, marking	rectangular 20 M x 20 M, CONC, PCN 62/F/A/W/T, White edges and white letter "H" and white identification number "1"
4	true bearing of FATO	034° / 214°
5	Declared distances available	43 M to end of runway pavement in direction 03, 1233 M to runway end in direction 21
6	APCH and FATO lighting	NIL
7	Remarks	Surface beyond FATO is RWY which extends to a width of 30 M

Helipad 2		
1	Co-ordinates TLOF or THR of FATO Geoid undulation	52°55'30"N 4°46'56"E Located on runway at intersection D2
2	TLOF and/or FATO elevation FT	3 FT
3	TLOF and FATO area dimensions, surface, strength, marking	rectangular 20 M x 20 M, ASPH, PCN 62/F/A/W/T, White edges and white identification number "2"
4	true bearing of FATO	034° / 214°
5	Declared distances available	418 M to end of runway pavement in direction 03, 857 M to runway end in direction 21
6	APCH and FATO lighting	NIL
7	Remarks	Surface beyond FATO is RWY which extends to a width of 30 M, Marking non-standard due to touchdown zone marking RWY 21

Helipad 3		
1	Co-ordinates TLOF or THR of FATO Geoid undulation	52°55'25"N 4°46'50"E Located on runway in vicinity of intersection D2X
2	TLOF and/or FATO elevation FT	3 FT
3	TLOF and FATO area dimensions, surface, strength, marking	rectangular 20 M x 20 M, ASPH, PCN 62/F/A/W/T, White edges and white letter "H" and white identification number "3"
4	true bearing of FATO	034° / 214°
5	Declared distances available	622 M to end of runway pavement in direction 03, 654 M to runway end in direction 21
6	APCH and FATO lighting	NIL
7	Remarks	Surface beyond FATO is RWY which extends to a width of 30 M

Helipad 4		
1	Co-ordinates TLOF or THR of FATO Geoid undulation	52°55'30"N 4°46'56"E Located on runway in vicinity of aiming point marking RWY 03
2	TLOF and/or FATO elevation FT	3 FT
3	TLOF and FATO area dimensions, surface, strength, marking	rectangular 20 M x 20 M, ASPH, PCN 62/F/A/W/T, White edges and white identification number "4"
4	true bearing of FATO	034° / 214°
5	Declared distances available	865 M to end of runway pavement in direction 03, 410 M to runway end in direction 21
6	APCH and FATO lighting	NIL
7	Remarks	Surface beyond FATO is RWY which extends to a width of 30 M, Marking non-standard due to aiming point marking RWY 03

Helipad 5		
1	Co-ordinates TLOF or THR of FATO Geoid undulation	52°55'14"N 4°46'45"E Located on TWY D
2	TLOF and/or FATO elevation FT	3 FT
3	TLOF and FATO area dimensions, surface, strength, marking	rectangular 25 M x 25 M, ASPH, PCN 62/F/A/W/T, White edges and white identification number "5"
4	true bearing of FATO	034° / 214°
5	Declared distances available	400 M both directions
6	APCH and FATO lighting	NIL
7	Remarks	Surface beyond FATO is extends to a width of 30 M, TLOF Lighting

Helipad 6		
1	Co-ordinates TLOF or THR of FATO Geoid undulation	52°55'11"N 4°46'46"E Located on grass area A north of TWY P
2	TLOF and/or FATO elevation FT	2 FT
3	TLOF and FATO area dimensions, surface, strength, marking	rectangular 30 M x 30 M, grass fitted with reinforcing grass paving grids, PCN not AVBL, edges and "H" created with less conspicuous marking by use of concrete pavement
4	true bearing of FATO	170° / 350°
5	Declared distances available	Information not available
6	APCH and FATO lighting	NIL
7	Remarks	

Helipad 7		
1	Co-ordinates TLOF or THR of FATO Geoid undulation	52°55'00"N 4°46'56"E Located on southeast corner of grass area A
2	TLOF and/or FATO elevation FT	1 FT
3	TLOF and FATO area dimensions, surface, strength, marking	rectangular 30 M x 30 M, grass fitted with reinforcing grass paving grids, PCN not AVBL, edges and "H" created with less conspicuous marking by use of concrete pavement
4	true bearing of FATO	090° / 270°
5	Declared distances available	Information not available
6	APCH and FATO lighting	NIL
7	Remarks	

Dummydeck		
1	Co-ordinates TLOF or THR of FATO Geoid undulation	52°55'02"N 4°46'48"E Located on south part of grass area A
2	TLOF and/or FATO elevation FT	2 FT
3	TLOF and FATO area dimensions, surface, strength, marking	rectangular 63 M x 26 M, CONC, PCN 37 F/A/W/T, marking consistent with naval vessel 2 landing spots
4	true bearing of FATO	NIL
5	Declared distances available	Information not available
6	APCH and FATO lighting	Lighting consistent with naval vessel
7	Remarks	

Slope		
1	Co-ordinates TLOF or THR of FATO Geoid undulation	52°55'02"N 4°46'48"E Located on grass area A south of Den Helder Airport
2	TLOF and/or FATO elevation FT	inconsistent due to sloped area
3	TLOF and FATO area dimensions, surface, strength, marking	grass fitted with reinforcing grass paving grids, PCN not AVBL, no marking
4	true bearing of FATO	NIL
5	Declared distances available	NIL
6	APCH and FATO lighting	NIL
7	Remarks	Sloped exercise landing area 5° an 10°

### EHKD AD 2.17 Air traffic services airspace

1	Designation and lateral limits	DE KOOY CTR 52°59'13.58"N 004°55'32.06"E; along clockwise arc (radius 6.5 NM, centre 52°55'25.00"N 004°46'50.00"E) to 53°01'42.82"N 004°49'26.26"E; 53°02'11.88"N 004°49'38.31"E; along clockwise arc (radius 7 NM, centre 52°55'25.00"N 004°46'50.00"E) to 52°59'31.13"N 004°56'12.28"E; to point of origin.
2	Vertical limits	GND to 3000 ft AMSL
3	Airspace classification	D
4	ATS unit call sign Language(s)	Contact initially De Kooy TWR. English Outside HO DUTCH MIL INFO FREQ 132.350 MHZ.
5	Transition altitude	IFR: 3000 ft AMSL; VFR: 3500 ft AMSL
6	Remarks	Caution: EHR 8 is active MON-THU 0700-2300 (0600-2200), FRI 0700-1600 (0600-1500), or activated by NO-TAM. Request ATC for crossing clearance.

## EHKD 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	De Kooy Tower	120.130 <sup>*)</sup> 122.100 379.750 <sup>*)</sup> 257.800	HO	*) Primary FREQ
GND CTL	De Kooy Ground De Kooy Tower	121.730 379.750	HO	
APP	De Kooy Arrival	124.230 <sup>*)</sup> 372.150 <sup>*)</sup>	HO	
	De Kooy Final	123.305 359.100	HO	SSR only
	ATIS	133.010	H24	

## EHKD 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
DME	HDR	115.550 CH102Y	H24	52°54'24.68"N 004°45'56.60"E	120 NM/FL 250 90 NM/FL 250 BTN 015/150° MAG	210° MAG 0.9 DME from THR RWY 03
ILS LOCALIZER	DKY	108.900	H24	52°55'04.99"N 004°46'28.51"E		
GLIDEPATH		329.300	H24	52°55'28.66"N 004°46'47.38"E		
DME	DKY	CH26X	H24	52°55'28.66"N 004°46'47.38"E		DME reading at THR RWY21: 0.2 NM

### **EHKD AD 2.20 Local traffic regulations**

1. Intensive training operations with helicopter and light aircraft. Light aircraft and model flying daily outside OPR HR. Glider site Wieringermeer is located 8NM SE of ARP, just outside CTR/RMZ.
2. VFR traffic crossing the CTR shall be carried out via the VFR reporting points (see visual approach chart) at 1500 ft AMSL, unless otherwise instructed or approved by ATC.
3. Visual traffic circuit: RWY 03 right-hand 1000 ft AMSL; RWY 21 left-hand 1000 ft AMSL.
4. Overflying the gas plant (0.5 NM east of ARP) is prohibited

### **EHKD AD 2.21 Noise abatement procedures**

ARR + DEP procedures are according standard VFR/IFR routes. Avoid overflying of Den Helder (2 NM NNW of ARP) and built-up areas as much as possible.

Avoid overflying camping southeast of FOXTROT below 1500 ft AMSL (see AIP Netherlands EHKA AD 2.21).

Due to noise abatement over Julianadorp RNP Y RWY 03 only available when reported cloud-base is below 500 ft.

## EHKD AD 2.22 Flight procedures

### IFR procedures

The IAP and SID procedures are established in accordance with STANAG 3759 and AATCP-1.

#### RNP Z approach RWY 03 (offset)

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	NIXCO	-	-	-	-	-	+ 2000	-	-	-
002	TF	EDFOS	-	070 (072.0)	-	3.0	-	-	-	-	RNAV1
003	IF	ASTUW	-	-	-	-	-	+ 2000	-	-	-
004	TF	KD441	-	259 (260.4)	-	1.9	-	+ 2000	-	-	RNAV1
005	TF	EDFOS	-	279 (280.7)	-	2.0	-	+ 2000	-	-	RNAV1
006	IF	EDFOS	-	-	-	-	-	+ 2000	-	-	-
007	TF	KD442	-	009 (010.6)	-	3.0	-	+ 2000	-	-	RNAV1
008	TF	HDR MAPt	Y	009 (010.6)	-	5.2	-	-	-	-3.00/50	RNP APCH
009	CA	-	-	009 (010.6)	-	-	-	+1000	-	-	RNP APCH
010	DF	KD444	Y	-	-	-	R	-	-	-	RNP APCH
011	DF	HDR	-	-	-	-	R	@2000	-	-	RNP APCH

#### RNP Y approach RWY 03

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	NOFUD	-	-	-	-	-	+ 2000	-	-	-
002	TF	KOPFA	-	032 (033.8)	-	3.0	-	+ 1200	-	-	RNAV1
003	IF	FEWEX	-	-	-	-	-	+ 2000	-	-	-
004	TF	KOPFA	-	102 (103.8)	-	3.0	-	+ 1200	-	-	RNAV1
005	IF	TAFTU	-	-	-	-	-	+ 2000	-	-	-
006	TF	KOPFA	-	322 (323.8)	-	3.0	-	+ 1200	-	-	RNAV1
007	IF	KOPFA	-	-	-	-	-	+ 1200	-	-	-
008	TF	KD445	-	032 (033.8)	2.5	2.5	-	+ 1200	-	-	RNP APCH
009	TF	THR03	Y	032 (033.8)	-	2.9	-	-	-	-3.72/50	RNP APCH
010	CA	-	-	032 (033.8)	-	-	-	+1000	-	-	RNP APCH
011	DF	KD444	Y	-	-	-	R	-	-	-	RNP APCH
012	DF	HDR	-	-	-	-	R	@2000	-	-	RNP APCH

## FAS DATA BLOCK - RNP Y RWY 03

Input data	
Operation Type	0
SBAS Provider	1 (EGNOS)
Airport Identifier	EHKD
Runway	03
Runway Letter	0 (None)
Approach Performance Designator	0
Route Indicator	Y
Reference Path Data Selector	0
Reference Path Identifier	E03A
LTP/FTP Latitude	525511.1730N
LTP/FTP Longitude	0044635.3850E
LTP/FTP Ellipsoidal Height (metres)	43.0
FPAP Latitude	525538.4540N
Delta FPAP Latitude (seconds)	27.2810
FPAP Longitude	0044705.7330E
Delta FPAP Longitude (seconds)	30.3480
Threshold Crossing Height	50.0
TCH Units Selector	0 (feet)
Glidepath Angle (degrees)	3.72
Course Width (metres)	105.00
Length Offset (metres)	0
HAL (metres)	40.0
VAL (metres)	35.0

Output data	
Data Block	10 04 0B 08 05 03 C8 00 01 33 30 05 8A F0 B5 16 F2 C2 0C 02 AE 15 22 D5 00 18 ED 00 F4 01 74 01 64 00 C8 AF 3E 74 39 A7
Calculated CRC Value	3E7439A7
Supplied CRC Value	3E7439A7
Comparison Result	OK

Required Additional Data	
ICAO Code	EH
LTP/FTP Orthometric Height (metres)	0.8

NOTE: EUROCONTROL FAS DB tool Version 3.2.0



## RNP Z approach RWY 21

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	PUFLA	-	-	-	-	-	+ 2000	-	-	-
002	TF	KD451	-	122 (124.0)	-	4.5	-	+ 2000	-	-	RNAV1
003	TF	ZOJIK	-	122 (124.0)	-	3.0	-	+ 1700	-	-	RNAV1
004	IF	JOPFI	-	-	-	-	-	+ 2000	-	-	-
005	TF	ZOJIK	-	302 (304.0)	-	3.0	-	+ 1700	-	-	RNAV1
006	IF	FAFLO	-	-	-	-	-	+ 2000	-	-	-
007	TF	ZOJIK	-	212 (214.0)	-	3.0	-	+ 1700	-	-	RNAV1
008	IF	ZOJIK	-	-	-	-	-	+ 1700	-	-	-
009	TF	KD452	-	212 (214.0)	-	3.0	-	+ 1700	-	-	RNP APCH
010	TF	THR21	Y	212 (214.0)	-	5.2	-	-	-	-3.00/50	RNP APCH
011	CA	KD453	Y	212 (214.0)	-	-	-	+500	-	-	RNP APCH
012	DF	-	-	-	-	-	L	-	-	-	RNP APCH
013	DF	HDR	-	-	-	-	R	@2000	-120	-	RNP APCH

## FAS DATA BLOCK - RNP Z RWY 21

Input data	
Operation Type	0
SBAS Provider	1 (EGNOS)
Airport Identifier	EHKD
Runway	21
Runway Letter	0 (None)
Approach Performance Designator	0
Route Indicator	Z
Reference Path Data Selector	0
Reference Path Identifier	E21A
LTP/FTP Latitude	525535.0820N
LTP/FTP Longitude	0044701.9810E
LTP/FTP Ellipsoidal Height (metres)	42.8
FPAP Latitude	525507.4490N
Delta FPAP Latitude (seconds)	-27.6330
FPAP Longitude	0044631.2450E
Delta FPAP Longitude (seconds)	-30.7360
Threshold Crossing Height	50.0
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	
Data Block	10 04 0B 08 05 15 D0 00 01 31 32 05 54 AB B6 16 BA 92 0D 02 AC 15 1E 28 FF E0 0F FF F4 01 2C 01 64 00 C8 AF 02 C1 6B ED
Calculated CRC Value	02C16BED
Supplied CRC Value	02C16BED
Comparison Result	OK

Required Additional Data	
ICAO Code	EH
LTP/FTP Orthometric Height (metres)	0.6

NOTE: EUROCONTROL FAS DB tool Version 3.2.0

## RNP Y approach RWY 21

Serial Number	Path Descriptor	WPT Ident	Fly Over	Course Mag°(T°)	Recom navaid	Dist nm	turn	Altitude (ftAMSL)	Speed (KIAS)	VPA(° TCH (ft)	NAV spec
001	IF	LOCFU	-	-	-	-	-	+ 2000	-	-	-
002	TF	KD454	-	122 (124.0)	-	5.0	-	+ 1500	-	-	RNAV1
003	TF	HOXZA	-	122 (124.0)	-	2.0	-	+ 1200	-	-	RNAV1
004	IF	YOJUP	-	-	-	-	-	+ 2000	-	-	-
005	TF	HOXZA	-	302 (304.0)	-	3.0	-	+ 1200	-	-	RNAV1
006	IF	GOHEM	-	-	-	-	-	+ 2000	-	-	-
007	TF	HOXZA	-	212 (214.0)	-	-	-	+ 1200	-	-	RNAV1
008	IF	HOXZA	-	-	-	-	-	+ 1200	-	-	-
009	TF	KD455	-	212 (214.0)	-	2.8	-	+ 1200	-	-	RNP APCH
010	TF	THR21	Y	212 (214.0)	-	2.4	-	-	-	-4.50/50	RNP APCH
011	CA	-	-	212 (214.0)	-	-	-	+ 500	-	-	RNP APCH
012	DF	KD453	Y	-	-	-	L	-	-	-	RNP APCH
013	DF	HDR	-	-	-	-	R	@2000	-	-	RNP APCH

## FAS DATA BLOCK RNP Y RWY 21

Input data	
Operation Type	0
SBAS Provider	1 (EGNOS)
Airport Identifier	EHKD
Runway	21
Runway Letter	0 (None)
Approach Performance Designator	0
Route Indicator	Y
Reference Path Data Selector	0
Reference Path Identifier	E21B
LTP/FTP Latitude	525535.0820N
LTP/FTP Longitude	0044701.9810E
LTP/FTP Ellipsoidal Height (metres)	42.8
FPAP Latitude	525507.4490N
Delta FPAP Latitude (seconds)	-27.6330
FPAP Longitude	0044631.2450E
Delta FPAP Longitude (seconds)	-30.7360
Threshold Crossing Height	50.0
TCH Units Selector	0 (feet)
Glidepath Angle (degrees)	4.50
Course Width (metres)	105.00
Length Offset (metres)	0
HAL (metres)	40.0
VAL (metres)	35.0

Output data	
Data Block	10 04 0B 08 05 15 C8 00 02 31 32 05 54 AB B6 16 BA 92 0D 02 AC 15 1E 28 FF E0 0F FF F4 01 C2 01 64 00 C8 AF 7B 17 85 05
Calculated CRC Value	7B178505
Supplied CRC Value	7B178505
Comparison Result	OK

Required Additional Data	
ICAO Code	EH
LTP/FTP Orthometric Height (metres)	0.6

NOTE: EUROCONTROL FAS DB tool Version 3.2.0

## VFR procedures

### APPROACH PROCEDURES:

Contact De Kooy TWR 2 minutes before reaching the CTR BDRY, for permission to enter the CTR. Unless otherwise instructed, enter the CTR via designated reporting points at 1500 ft and maintain. Descent to circuit altitude according the joining procedure which will be instructed by ATC.

- a. Overhead joining. Report overhead, join downwind and descent to 1000 ft.
- b. Direct joining (ATC discretion only). After passing one of the following reporting points (Hotel, Bravo, Romeo or Foxtrot) join the circuit and descent to circuit altitude as instructed by ATC.

The following arrivals have been established.

- a. Whiskey arrival: proceed via Whiskey to Hotel.
- b. Oscar arrival: proceed via Oscar to Hotel.
- c. Echo arrival: proceed via Echo to Bravo.
- d. Zulu arrival: proceed via Zulu to Romeo.

ATC discretion only, when EHR 8 (partly) inactive.

- e. Foxtrot arrival: at CTR BDRY proceed to Foxtrot.
- f. Mike arrival: at CTR BDRY proceed via Mike to Hotel.

(see visual local map)

### DEPARTURE PROCEDURES:

Unless otherwise instructed or approved climb after take-off to 1000 ft. The following departures have been established.

- a. Whiskey departure: proceed via Hotel to Whiskey.
- b. Oscar departure: proceed via Hotel to Oscar.
- c. Echo departure: proceed via Bravo to Echo.
- d. Zulu departure: proceed via Romeo to Zulu.

ATC discretion only, when EHR 8 (partly) inactive:

- e. Foxtrot departure: proceed via Foxtrot to CTR BDRY.
- f. Mike departure: proceed via Hotel and Mike to CTR BDRY.

Leave the CTR via the designated reporting points.

### REPORTING POINTS in degrees, minutes and seconds:

The following reporting points have been established (see local map):

- Hotel: 200 m north-east of the Drydock  
52°57'52"N 004°48'12"E).
- Bravo: Intersection Zandvaart/Balgzandkanaal  
52°54'08"N 004°49'58"E).
- Echo: South-east bank of Amstelmeer  
52°52'19"N 004°56'08"E).
- Romeo: Intersection N9 - Callantsoogervaart  
52°52'36"N 004°46'06"E).
- Zulu: Bridge de Stolpen - N9 - Noordhollandskanaal  
52°48'52"N 004°44'25"E).
- Foxtrot: Intersection Middenvliet/Zanddijk  
52°55'02"N 004°43'15"E).
- Whiskey: Car park near beach Jan Ayeslag  
53°02'21"N 004°42'58"E).

Oscar: Fort de Schans  
53°01'56"N 004°49'36"E).

Mike: North-east corner of sandbank Noorderhaaks  
52°58'50"N 004°41'37"E).

**CIRCUIT PROCEDURES:**

Circuit ALT 1000 ft. RWY 21 L/H circuit RWY 03 R/H circuit. Landing direction 270°, 090°, 350° and 170° may be used for HEL flying, circuit direction as instructed by ATC.

**Low visibility procedures**

During periods of low visibility the overall ATC capacity could be reduced. To guarantee aircraft safety and optimal use of ATC capacity, De Kooy uses Low Visibility Procedures.

Phase	Conditions	Procedure
A	RVR $\leq$ 1500 m and/or ceiling $\leq$ 300ft	All WIP on airside will be terminated. Separation between landing aircraft will be increased to 8 nm. No opposite runway take-off and landings.
B	RVR < 550 m	Departures only. No simultaneous ground movements.
C	RVR < 300 m	The airport is below operational minima for arriving and departing aircraft.

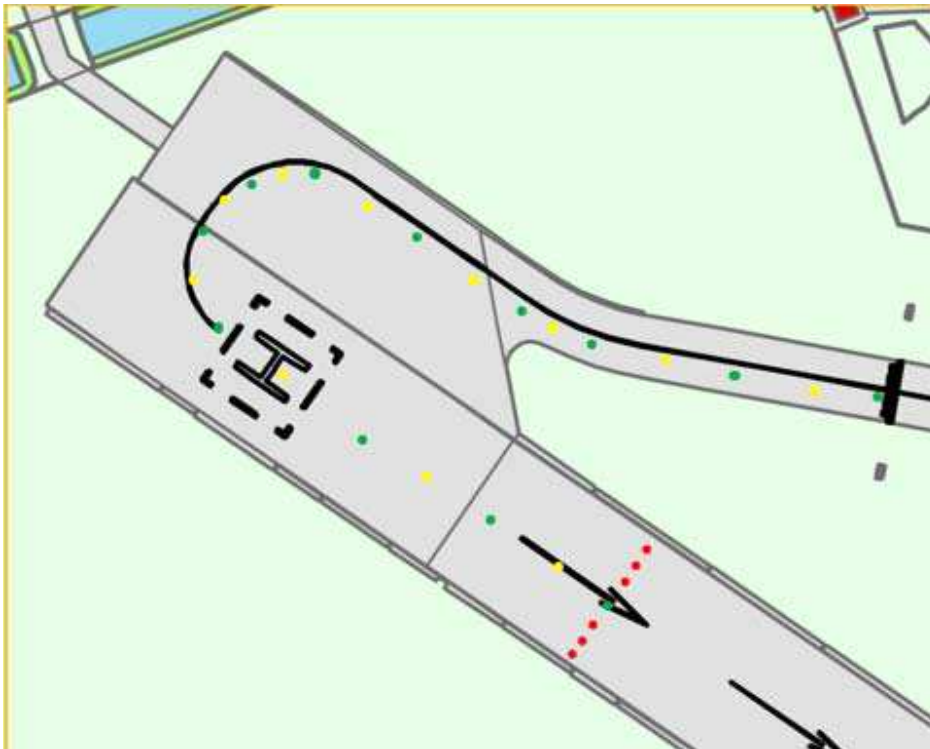
NOTE: In contrast to annex 2 military aerodromes define ceiling as 3/8 (SCT) or more.

## EHKD AD 2.23 Additional information

### 1. DISPLACED RUNWAY END RWY 03:

After landing RWY 03, passing the runway end lights at taxiing speed is allowed. Beyond the runway end lights the pavement is classified as taxiway and equipped with alternating green/yellow centre line lights upto exit D1.

Take-off RWY 21 is allowed from the runway extremity.



### 2. EHR8 (prohibited/gunfiring) extending in the CTR. The eastboundary is east of the dunes.

### 3. PPR: for PPR Request contact:

LCC De Kooy Flight Information Office via e-mail: [DHC.LCC.MVKK@mindef.nl](mailto:DHC.LCC.MVKK@mindef.nl)

Requests must contain the following information.

- a. Inbound De Kooy for practice approaches only or full stop landing.
- b. Name and phonenumber concerning person of contact.
- c. Call sign and/or ACFT registration.
- d. Type of ACFT.
- e. DOF (Date Of Flight).
- f. Aerodrome of departure.
- g. ETA (Estimated Time of Arrival) at De Kooy.
- h. ETD (Estimated Time of Departure) from De Kooy.
- i. Aerodrome of arrival.
- j. Name of aircraft operator. Incomplete requests will NOT be considered. A standard request form may be obtained through previously mentioned e-mail address.

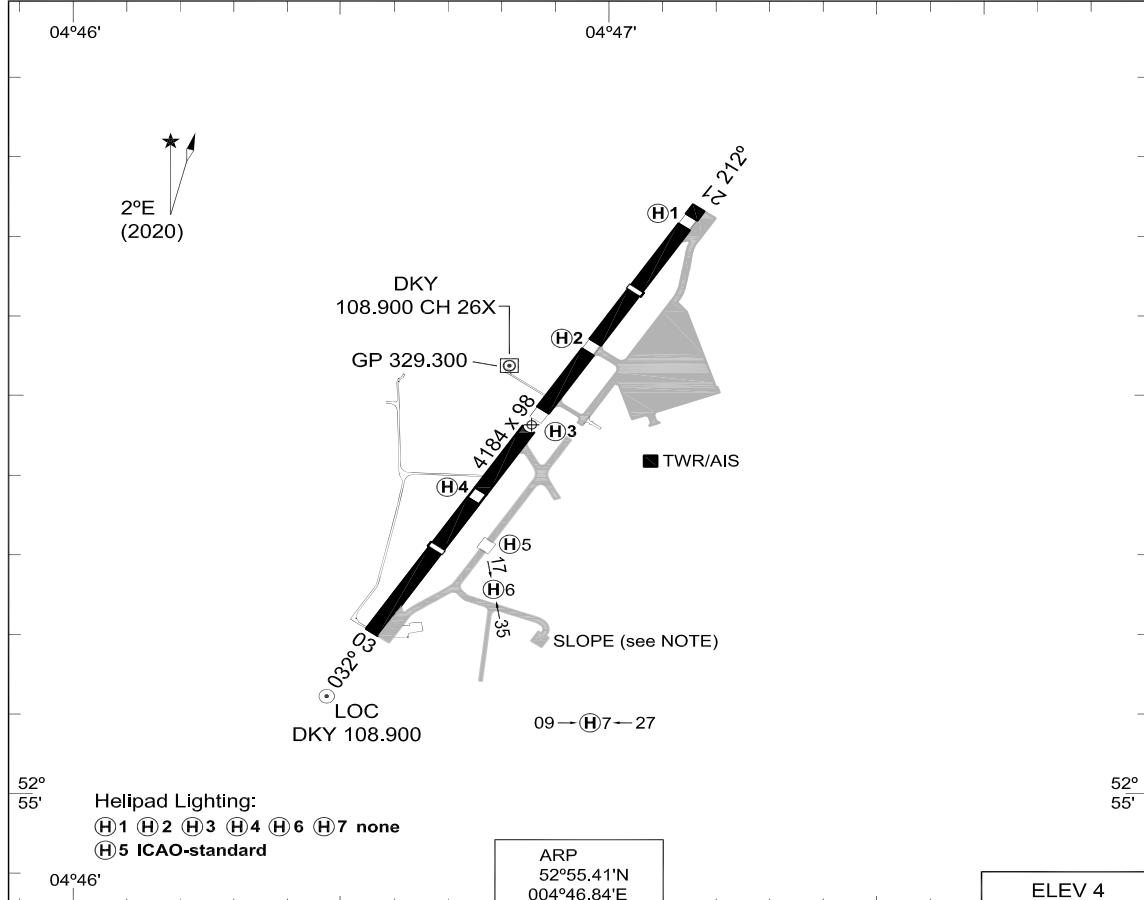
4. When intending a full stop landing at de Kooy please also include if refuel, hangar space, accommodation or other is required.
5. AIS Briefing office facility and the ATS Reporting Office (ARO) is only available through the Flight Data and Notam Office (FDNO) located at MilATCC Schiphol.  
Tel: +31(0)20 4062840  
Tel: +31(0)20 4062841  
E-mail: aocs.fdns@mindef.nl  
AFTN: EHMCPZX  
avlbl H24
6. DETERMINATION OF DATUM LINE FOR INTERSECTION TAKE-OFF  
The datum line from which the reduced runway declared distances for take-off should be determined is defined by the intersection of the downwind edge of the specific taxiway with the runway edge as shown in the diagram below. The loss of runway length due to alignment of the aircraft prior to take-off should be taken into account by the operators for the calculation of the aircraft's take-off mass (ICAO Annex 6, Part 1, paragraph 5.2.8)

### EHKD AD 2.24 Charts related to an aerodrome

Aerodrome chart	EHKD AD 2-21
Local map	EHKD AD 2-22
MVA chart	EHKD AD 2-23
Instrument approach chart RNP Z RWY 03	EHKD AD 2-24
Instrument approach chart RNP Y RWY 03	EHKD AD 2-25
Instrument approach chart ILS or LOC RWY 21	EHKD AD 2-26
Instrument approach chart COP ILS or LOC RWY 21	EHKD AD 2-27
Instrument approach chart RNP Z RWY 21	EHKD AD 2-28
Instrument approach chart RNP Y RWY 21	EHKD AD 2-29



**MIPS AERODROME CHART DE KOOY (EHKD)**



RWY	PCN	TORA	ASDA	TODA	LDA	THR ELEV	THR PSN
21	62 F/A/W/T	4184	4184	4381	3377	2	52°55.58'N 004°47.03'E
03	62 F/A/W/T	3789	3789	3986	3334	3	52°55.19'N 004°46.59'E

DE KOOY TWR 379.750 120.130 121.730 or 379.750 (Ground Control)  
 DE KOOY ARRIVAL 372.150 124.230

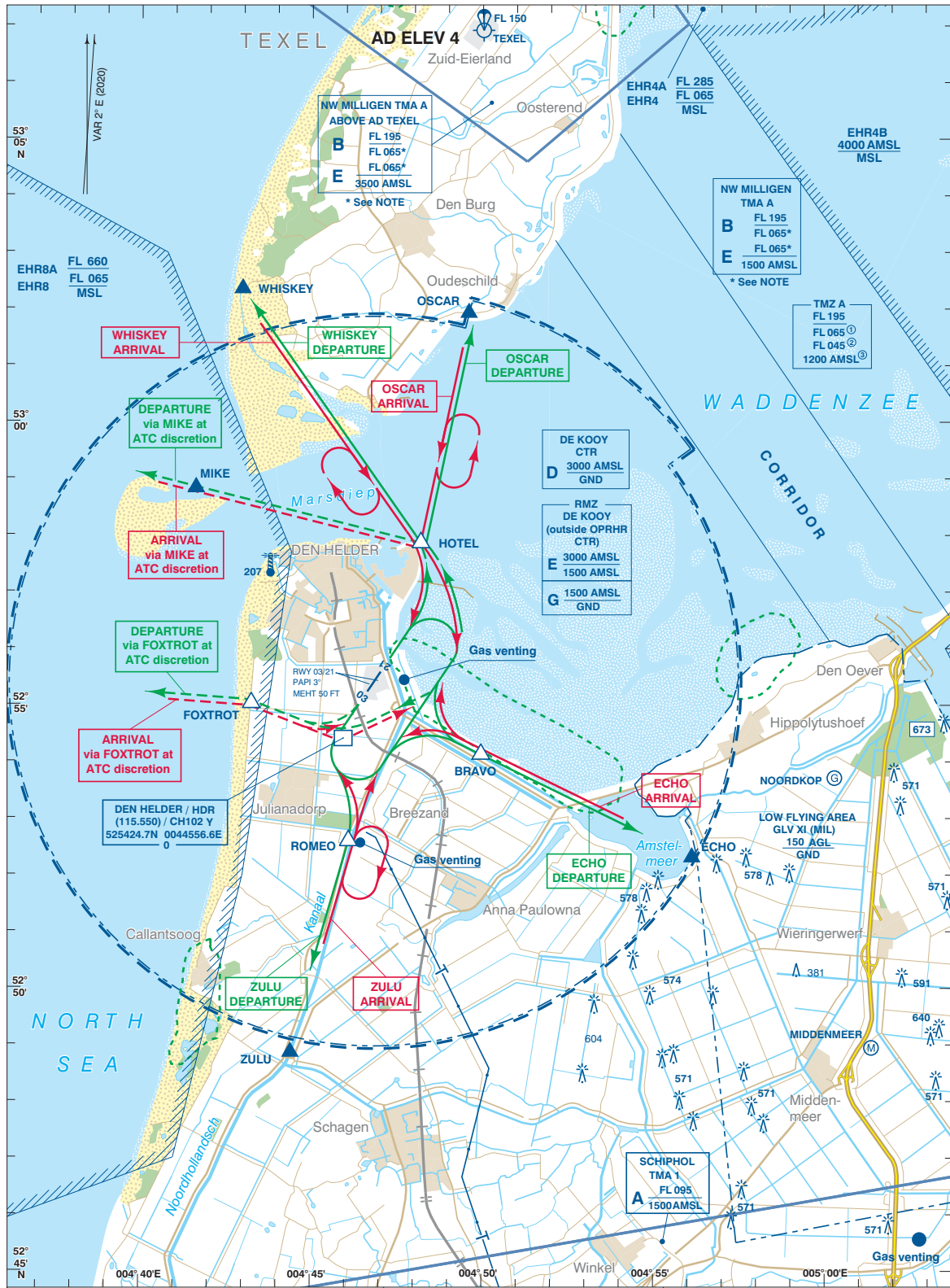
SRA	PROC. CRITERIA	RWY	GS	TCH	OTCH	RPI	CAT	MINIMA CRITERIA	MINIMA
	MIPS MIPS	21 03					ABH ABH	MIPS MIPS	500-1500 498 (500-1.5/2.3) 420-1700 417 (500-1.7/1.9)

**NOTE:** SLOPE; WESTSIDE 5°, SOUTHSIDE 10°.

CHANGES: MINIMA

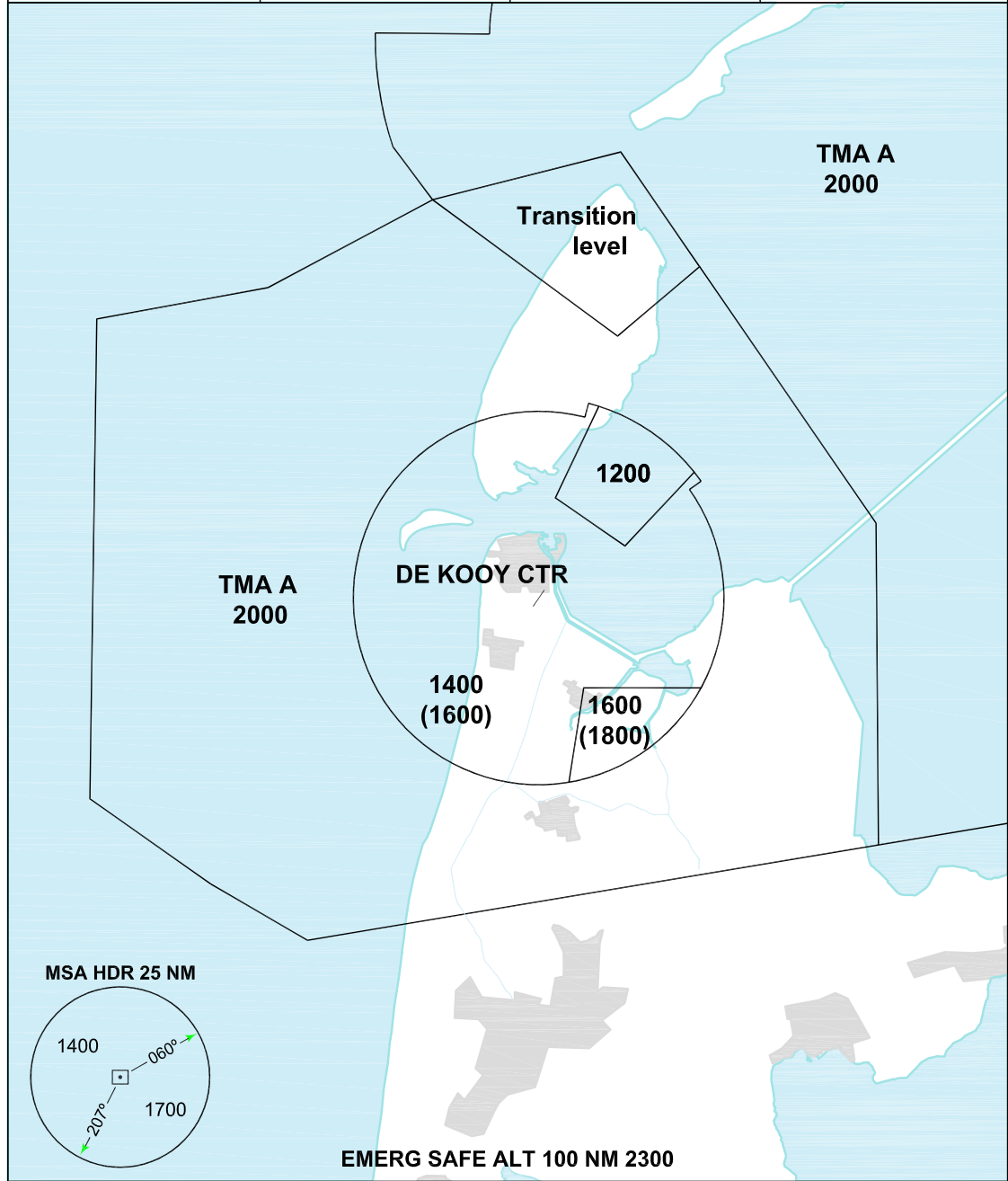
RNLAf 07 SEP 2023

### LOCAL MAP



**MIPS** **MINIMUM VECTORING ALTITUDE** **MVA CHART**  
**DE KOOY (EHKD)**

DUTCH MIL		DE KOOY ARRIVAL		AD ELEV 4		DE KOOY TWR		GND CTL	
259.250	128.355	372.150	124.230	379.750	120.130	379.750	121.730	379.750	121.730



CHANGES: EDITORIAL

- THE ALTITUDE BETWEEN BRACKETS IS TO BE USED FOR THE CORRESPONDING SECTOR WHEN AIR TEMPERATURE AT AIRBASE ALTITUDE IS LOWER THAN -16°.
- ALTITUDES ONLY AVAILABLE IF THE RADAR COVERAGE PERMITS.

RNLAf 30 DEC 2021

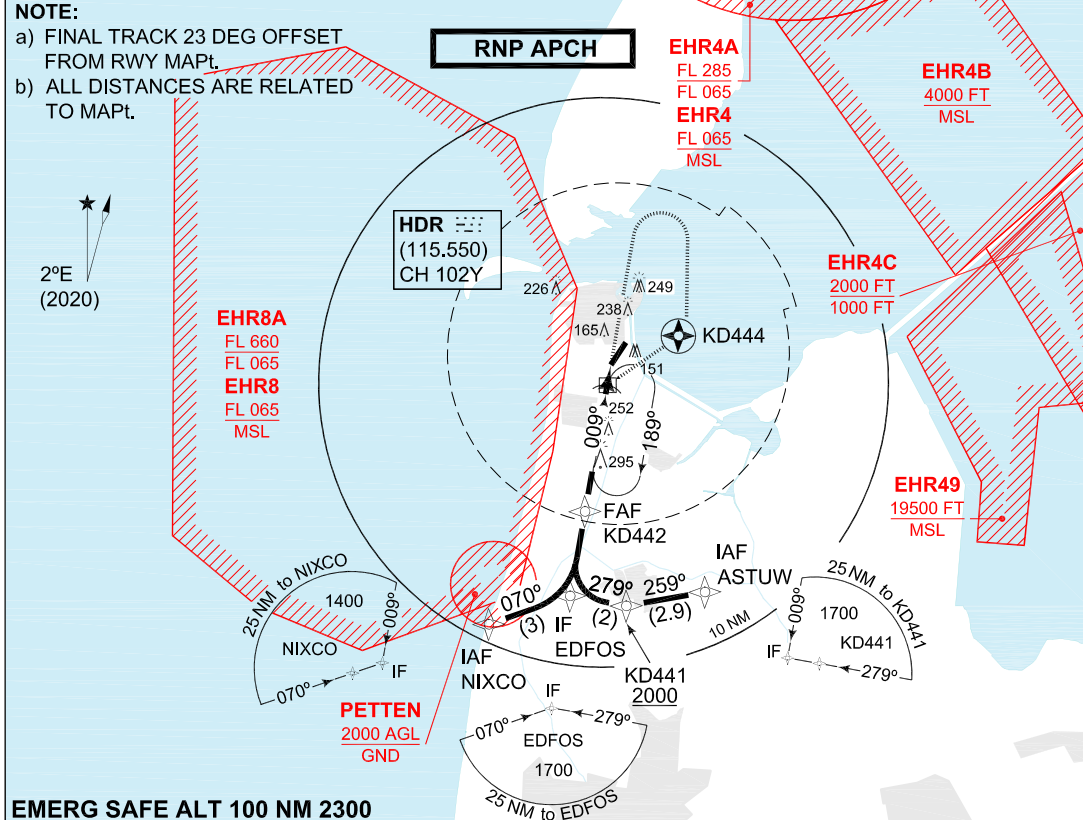
**MIPS INSTRUMENT APPROACH CHART** **RNP Z RWY 03 DE KOOY (EHKD)**

AD ELEV 4

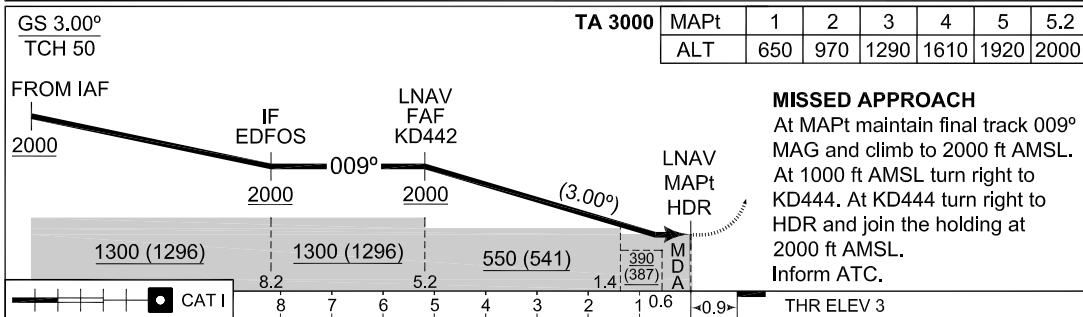
DUTCH MIL 259.250 128.355		DE KOOY ARRIVAL 372.150 124.230		DE KOOY TWR 379.750 120.130		GND CTL 379.750 121.730		ATIS* 133.010	
EGNOS CHANNEL N.A.	APP COURSE 009°	FAF ALT 2000 FT	Descent GR 5.24% / 3.00°	MDA <b>SEE CAT</b>	DA <b>N.A.</b>	THR ELEV 3	ALS 360 m	LDA 3334 FT	

**NOTE:**

- a) FINAL TRACK 23 DEG OFFSET FROM RWY MAPt.
- b) ALL DISTANCES ARE RELATED TO MAPt.



**EMERG SAFE ALT 100 NM 2300**



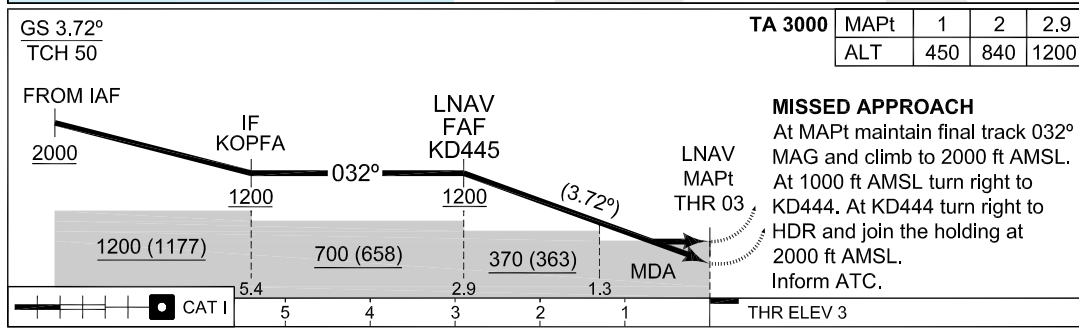
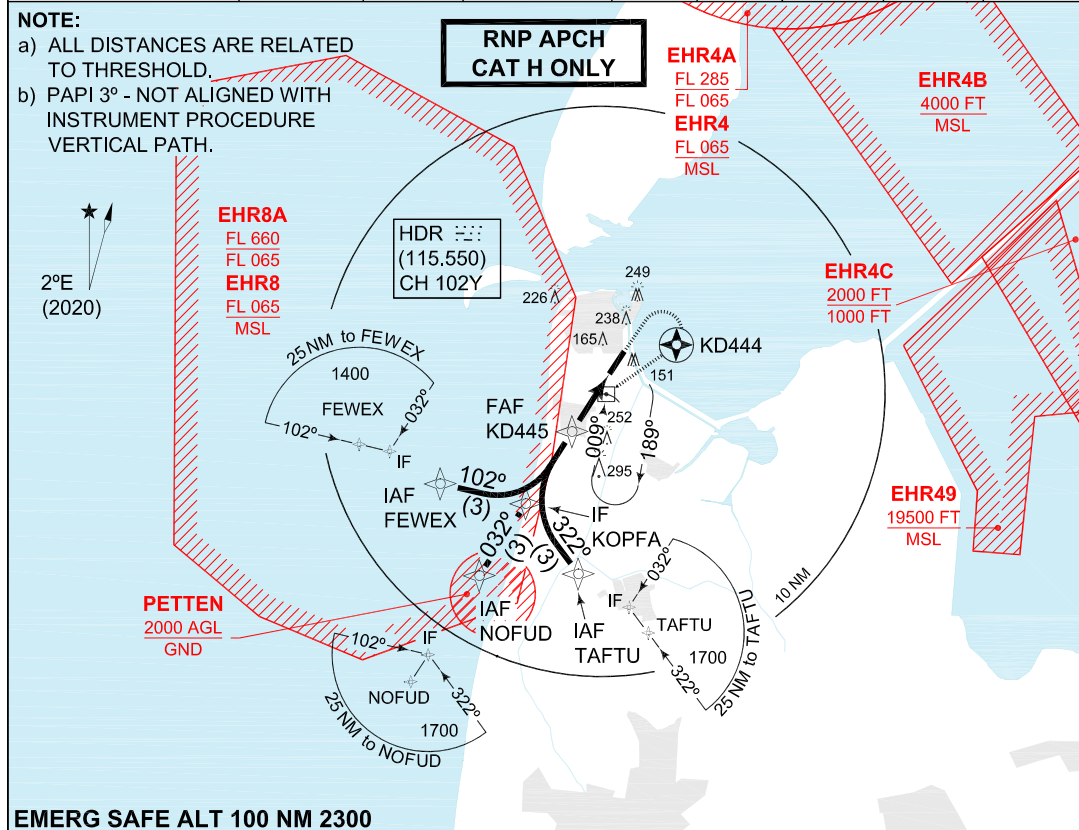
CATEGORY	A		B		H	
DA(H) LPV	NOT AUTHORIZED					
DA(H) LNAV / VNAV	NOT AUTHORIZED					
MDA(H) LNAV	<b>390</b> -1600 387 (400-1.6/1.8)		<b>420</b> -1700 417 (500-1.7/1.9)		<b>320</b> -1200 317 (400-1.2/1.4)	
IAPW	ASTUW	52°46.47'N	004°51.35'E	FAWP	KD442	52°49.31'N 004°44.36'E
WP	KD441	52°46.00'N	004°46.68'E	MAWP	HDR	52°54.41'N 004°45.94'E
IAPW	NIXCO	52°45.44'N	004°38.75'E	MATWP	KD444	52°56.31'N 004°49.78'E
IWP	EDFOS	52°46.36'N	004°43.44'E	HF	HDR	52°54.41'N 004°45.94'E

CHANGES: EDITORIAL

ENLAF 13 JUL 2023

**MIPS INSTRUMENT APPROACH CHART** **RNP Y RWY 03 DE KOOY (EHKD)**

DUTCH MIL 259.250 128.355		DE KOOY ARRIVAL 372.150 124.230		DE KOOY TWR 379.750 120.130		GND CTL 379.750 121.730		ATIS* 133.010	
EGNOS CHANNEL 69781 E03A		APP COURSE 032°	FAF ALT 1200 FT	Descent GR 6.5% / 3.72°	MDA 350	DA 203	THR ELEV 3	ALS 360 m	LDA 3334 FT

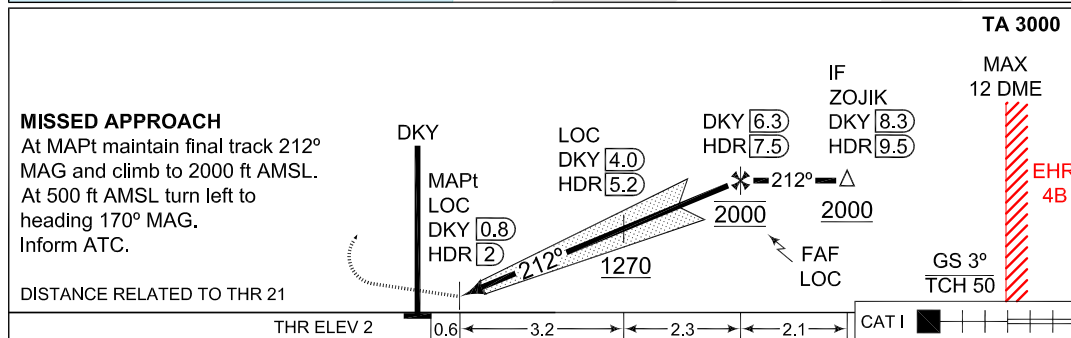
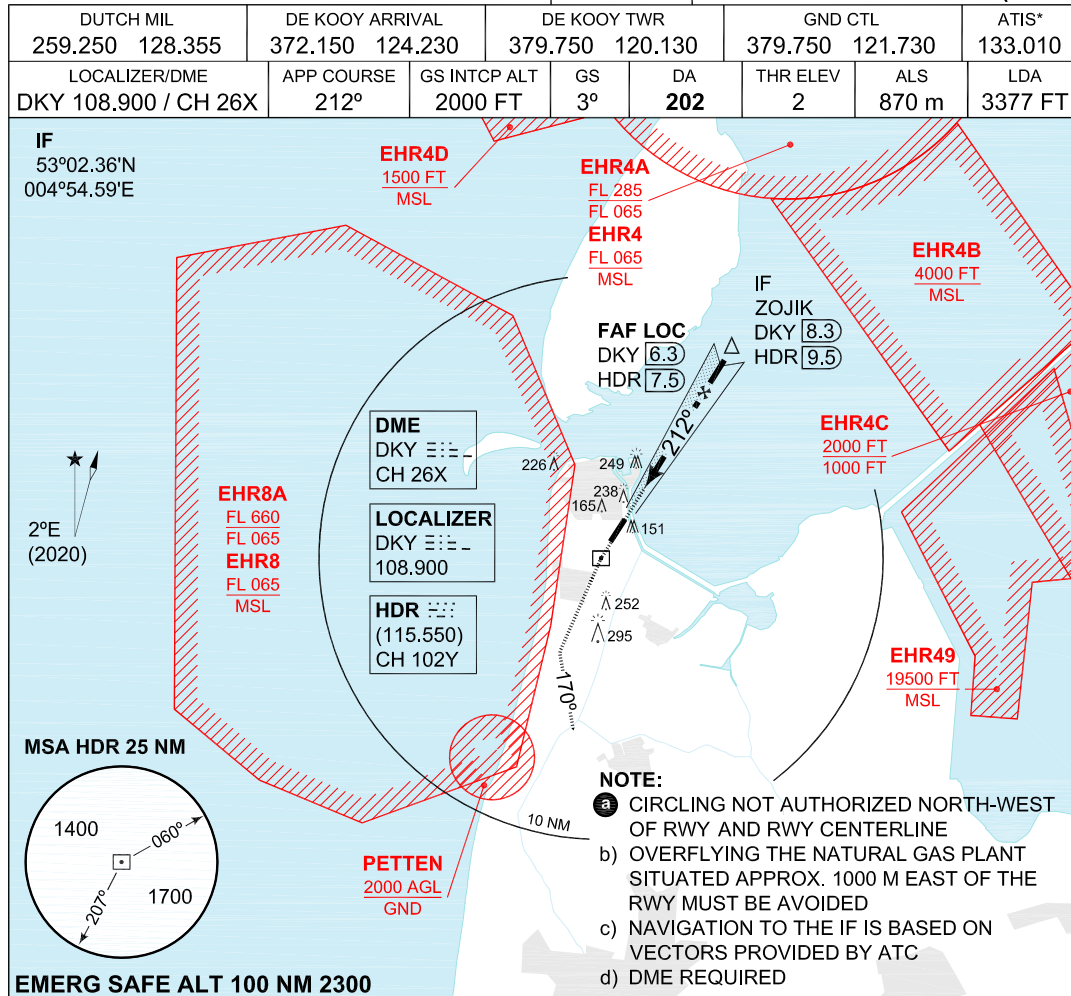


CATEGORY		H					
MIPS	DA(H) LPV	203-1000 200 (200-1.0/1.2)					
	DA(H) LNAV / VNAV	NOT AUTHORIZED					
	MDA(H) LNAV	350-1400 347 (400-1.4/1.6)					
IAWP	FEWEX	52°51.42'N	004°36.82'E	FAWP	KD445	52°52.78'N	004°43.92'E
IAWP	NOFUD	52°48.22'N	004°38.87'E	MAWP	THR 03	52°55.19'N	004°46.59'E
IAWP	TAFTU	52°48.29'N	004°44.54'E	MATWP	KD444	52°56.31'N	004°49.78'E
IWP	KOPFA	52°50.71'N	004°41.62'E	HF	HDR	52°54.41'N	004°45.94'E

CHANGES: EDITORIAL

RNLAF 26 JAN 2023

**MIPS INSTRUMENT APPROACH CHART** **ILS or LOC RWY 21 DE KOOY (EHKD)**



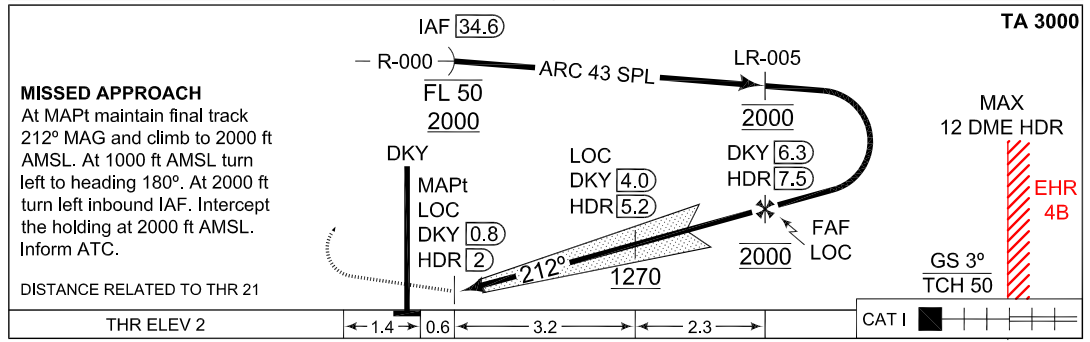
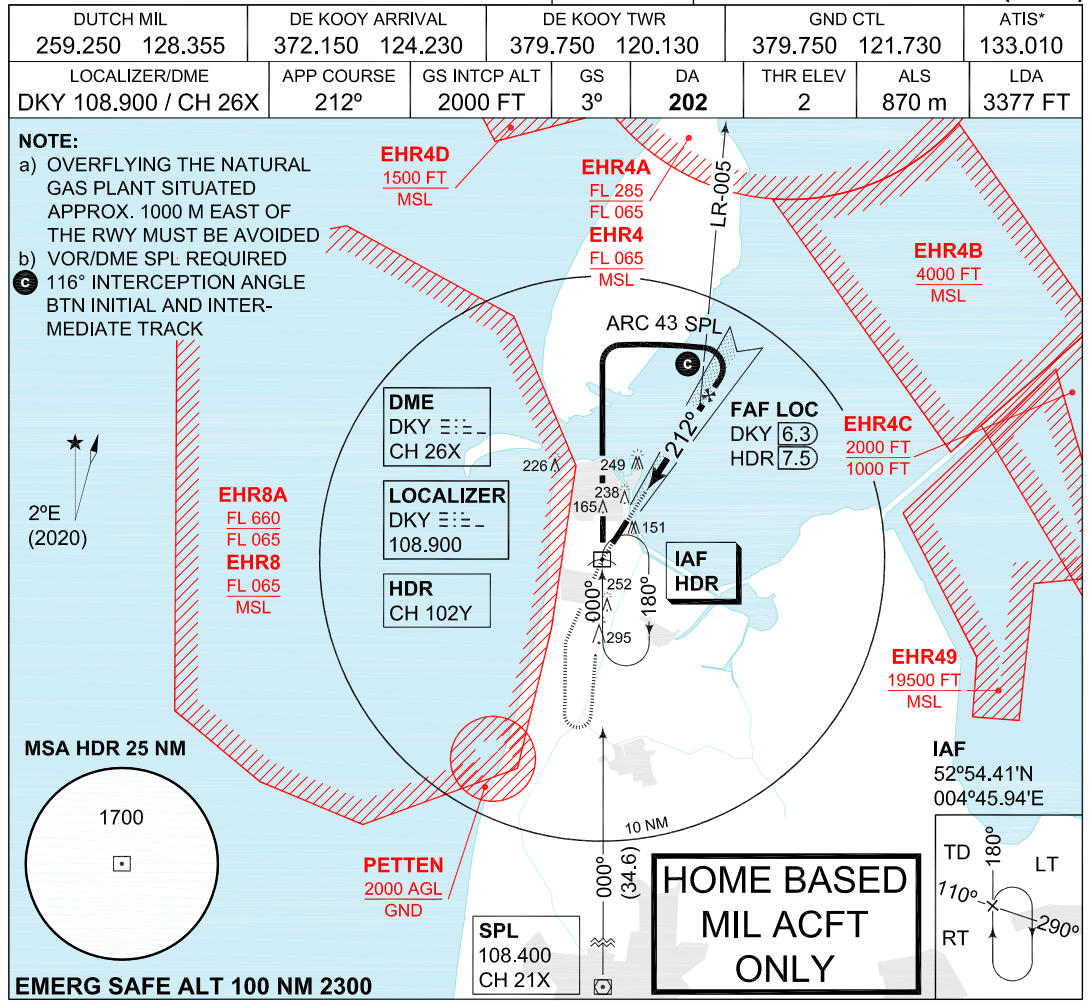
CATEGORY	A	B	H
S-ILS 21	<b>202</b> -800 200 (200-0.8)		<b>202</b> -400 200 (200-0.4)
CIRCLING <sup>a</sup>	<b>510</b> -1900 506 (600-1.9)	<b>550</b> -2800 546 (600-2.8)	<b>510</b> -1900 506 (600-1.9)
S-LOC 21	<b>330</b> -800 328 (400-0.8)		<b>330</b> -400 328 (400-0.4)

CHANGES: NEW LAYOUT

RNLAF 11 AUG 2022



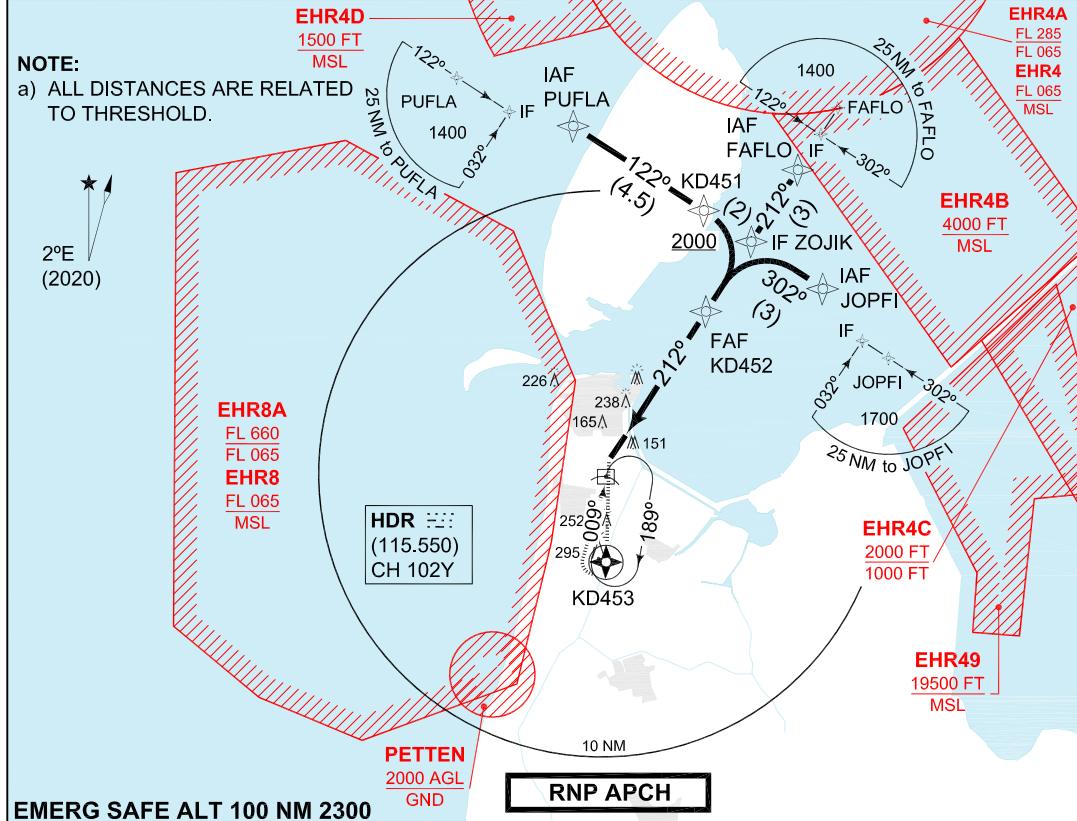
**MIPS INSTRUMENT APPROACH CHART** **COPTER ILS or LOC RWY 21 DE KOOY (EHKD)**



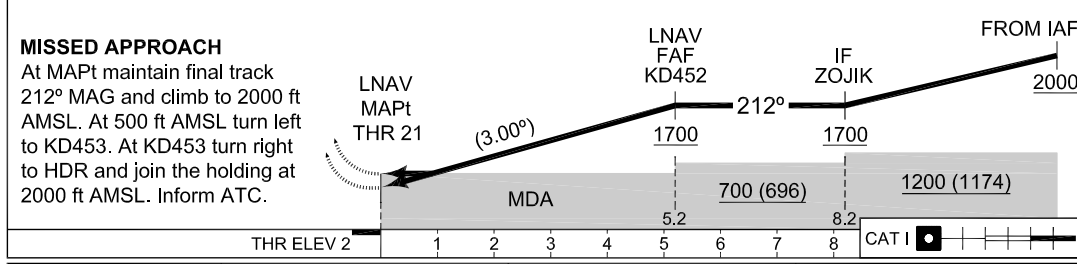
CHANGES: NEW LAYOUT	<b>MIPS</b>	CATEGORY	H	
		S-ILS 21	<b>202</b> -400 200 (200-0.4/0.8)	
		S-LOC 21	<b>330</b> -400 328 (400-0.4/0.8)	

**MIPS INSTRUMENT APPROACH CHART** **RNP Z RWY 21 DE KOOY (EHKD)**

DUTCH MIL 259.250 128.355		DE KOOY ARRIVAL 372.150 124.230		DE KOOY TWR 379.750 120.130		GND CTL 379.750 121.730		ATIS* 133.010	
EGNOS CHANNEL 62338 E21A	APP COURSE 212°	FAF ALT 1700 FT	Descent GR 5.24% / 3.00°	MDA <b>SEE CAT</b>	DA <b>SEE CAT</b>	THR ELEV 2	ALS 870 m	LDA 3377 FT	



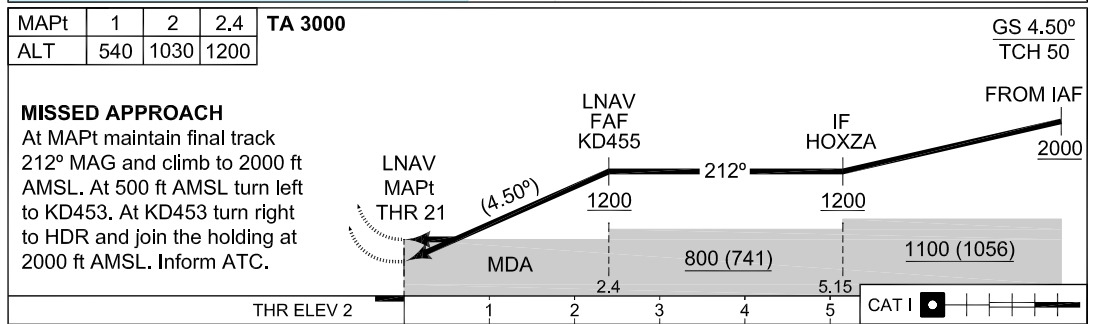
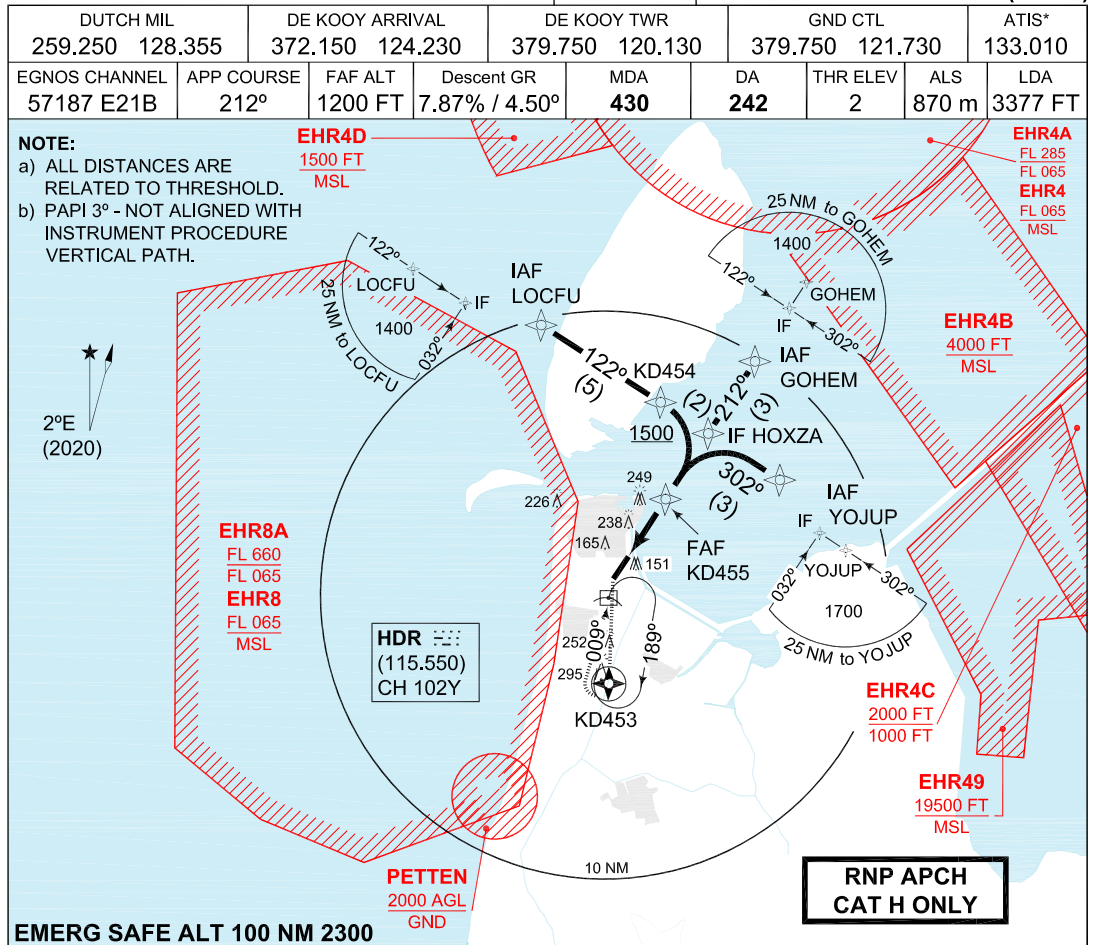
MAPt	1	2	3	4	5	5.2	TA 3000	GS 3°
ALT	370	690	1010	1330	1650	1700		TCH 50



CATEGORY		A		B		H	
DA(H)	LPV	<b>238</b> -800 236 (300-0.8/1.2)		<b>248</b> -800 246 (300-0.8/1.3)		<b>222</b> -800 220 (300-0.8/1.2)	
DA(H)	LNAV / VNAV	NOT AUTHORIZED					
MDA(H)	LNAV	<b>480</b> -1500 478 (500-1.5/2.2)				<b>430</b> -1300 428 (500-1.3/2.0)	
IAWP	PUFLA	53°06.54'N	004°44.28'E	FAWP	KD452	52°59.87'N	004°51.81'E
WP	KD451	53°04.03'N	004°50.47'E	MAWP	THR 21	52°55.58'N	004°47.03'E
IAWP	FAFLO	53°04.84'N	004°57.38'E	MATWP	KD453	52°51.42'N	004°45.89'E
IAWP	JOPFI	53°00.68'N	004°58.71'E	HF	HDR	52°54.41'N	004°45.94'E
IWP	ZOJIK	53°02.36'N	004°54.59'E				



**MIPS INSTRUMENT APPROACH CHART** **RNP Y RWY 21 DE KOOY (EHKD)**



CATEGORY		H					
DA(H)	LPV	<b>222-800 220 (300-0.8/1.2)</b>					
DA(H)	LNAV / VNAV	NOT AUTHORIZED					
MDA(H)	LNAV	<b>430-1300 428 (500-1.3/2.0)</b>					
IAWP	LOCFU	53°03.75'N	004°42.16'E	FAWP	KD455	52°57.57'N	004°49.25'E
WP	KD454	53°00.97'N	004°49.04'E	MAWP	THR 21	52°55.58'N	004°47.03'E
IAWP	GOHEM	53°02.34'N	004°54.56'E	MATWP	KD453	52°51.42'N	004°45.89'E
IAWP	YOJUP	52°58.17'N	004°55.90'E	HF	HDR	52°54.41'N	004°45.94'E
IWP	HOXZA	52°59.85'N	004°51.79'E				

CHANGES: NEW LAYOUT

RNLAF 11 AUG 2022



**INTENTIONALLY LEFT BLANK**