CRANES OPERATING IN ROENNE HARBOUR (NEAR EKRN AERODROME)

Ref. AIP Denmark, AIRAC SUP 23/26, “Differentiated instrument approach procedures to EKRN Bornholm/Rønne aerodrome”.
Note: This SUP replaces RDAF FLIP SUP 01/26.

1 Introduction

From December 2025 to December 31, 2028, several land based cranes extending from 193 FT MSL to 492 FT MSL will be working in Rønne Harbour in periods of several months.

During the same period, several vessel based cranes extending from 400 FT MSL to 722 FT MSL will be working in Rønne Harbour in periods varying from several hours to several days.

All of these cranes penetrate the Inner Horizontal Surface and/or the Conical Surface and some will impact the instrument flight procedures at EKRN Bornholm/Rønne aerodrome.

To address this, three separate sets of instrument flight procedures have been established and these procedures will include additional instructions, guidelines, limitations or restrictions, to ensure the safe navigation of aircraft in the vicinity of the cranes. ATC will notify aircraft of which set of procedures are in use.

2 Operational Implications

2.1 Temporary obstacles.

The temporary obstacles are described in AIRAC AIP SUP Cranes operating in Rønne Harbour (near EKRN Bornholm/Rønne aerodrome) available from:

https://aim.naviair.dk/

2.2 Instrument approach procedures

As of AIRAC 28 NOV 2024, all existing procedures are renamed with identification Z.

In addition to existing instrument approach procedures, temporary procedures with identification Y and X are published. Certain 2D instrument approach procedures are temporarily suspended and not issued in the Y and X versions, including **HPMA TACAN RWY 11**.

Procedures are listed on the following page.

continued...

CHANGES: TAAs ADDED. MAX HLDG SPEED CHANGED. MAX HLDG ALTITUDE WITHDRAWN. MISSED APPROACH INSTRUCTION CHANGED.

AIR COMMAND DENMARK - MIL AIM 09 JUL 2026 - RDAF FLIP SUP.

List of procedures:

Existing IAC	Renamed/temporary IAC	Operational use
ILS or LOC RWY 11	ILS or LOC Z RWY 11	When cranes up to 348 FT are in operation. Cranes shown on chart
ILS or LOC RWY 29	ILS or LOC Z RWY 29	
COPTER ILS or LOC RWY 11	COPTER ILS or LOC Z RWY 11	
COPTER ILS or LOC RWY 29	COPTER ILS or LOC Z RWY 29	
HPMA TACAN RWY 11	HPMA TACAN Z RWY 11	
HPMA TACAN RWY 29	HPMA TACAN Z RWY 29	
RNP RWY 11	RNP Z RWY 11	
RNP RWY 29	RNP Z RWY 29	
	ILS or LOC Y RWY 11	When cranes between 349 FT to 525 FT are in operation. Cranes shown on chart
	ILS or LOC Y RWY 29	
	COPTER ILS or LOC Y RWY 11	
	COPTER ILS or LOC Y RWY 29	
	HPMA TACAN Y RWY 29	
	RNP Y RWY 11	
	RNP Y RWY 29	
	ILS or LOC X RWY 11	When cranes between 526 FT to 722 FT are in operation. Cranes shown on chart
	ILS or LOC X RWY 29	
	COPTER ILS or LOC X RWY 11	
	COPTER ILS or LOC X RWY 29	
	HPMA TACAN X RWY 29	
	RNP X RWY 11	
	RNP X RWY 29	

HPMA TACAN RWY 11 is not available as a Y- or X-procedure.

ATC WILL NOTIFY ARRIVING AIRCRAFT OF
WHICH SET OF PROCEDURE IS IN FORCE.

continued...

CHANGES: TAAs ADDED. MAX HLDG SPEED CHANGED. MAX HLDG ALTITUDE WITHDRAWN. MISSED APPROACH INSTRUCTION CHANGED.

AIR COMMAND DENMARK - MIL AIM 09 JUL 2026 - RDAF FLIP SUP.

2.3 Departure procedures
Omnidirectional departure:
RWY 11: No changes.
RWY 29: After departure turn left, climb on track 272° to 1000 FT MSL before turn is commenced. Procedure design gradient 6.1% to 1000 FT MSL, due to cranes at 722 FT / 2.1 NM NW of THR RWY 11.

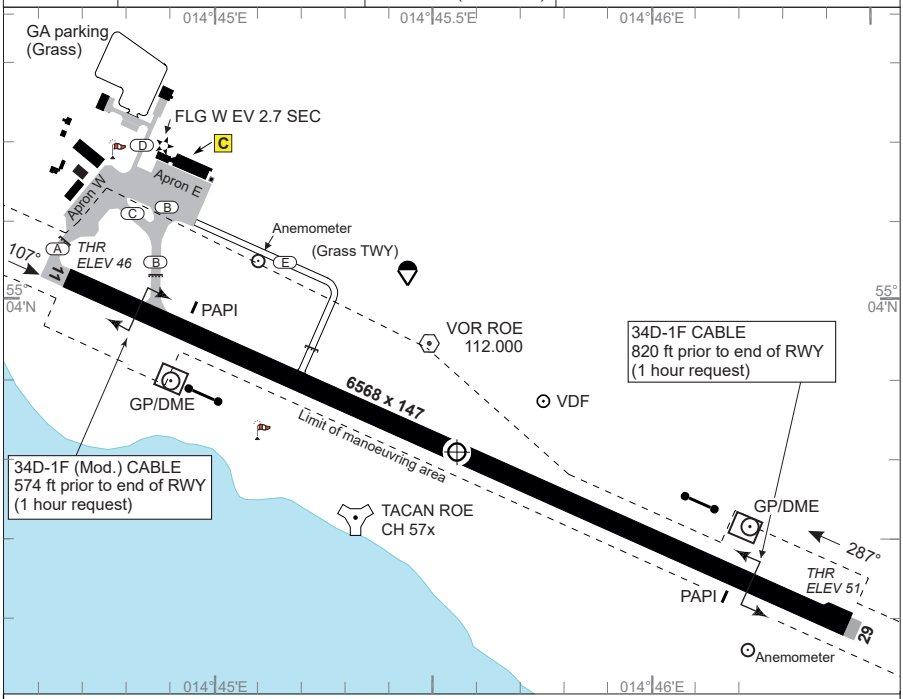
Remark RWY 29: Can Aircraft not comply contact ATC 24H before ETD for alternative departure. Availability depending on OBST in Rønne Havn. Alternative Omnidirectional departure RWY 29: After departure turn left, climb on track 272° to 700 FT MSL before turn is commenced.

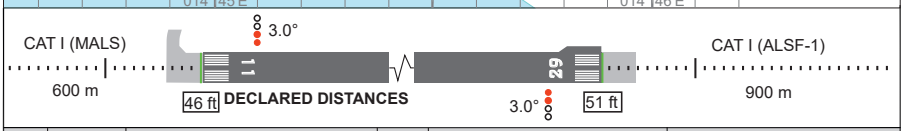
2.4 Noise Abatement Provisions
RWY 29: IFR: After departure turn left, climb on track 272° until ROE DME 5.0 NM.

CHANGES: DEPARTURE PROCEDURE.

AIR COMMAND DENMARK - MIL AIM 09 JUL 2026 - RDAF FLIP SUP.

RØNNE TOWER	BORNHOLM HANDLING	REMARK:
118.330 (VDF) 257.800	131.550	Airport phone: +45 56 95 26 26
AD Elev 52 ARP 55°03.80'N 014°45.58'E	VAR 7.0°E (MAY 2025)	





RWY	PCN	DECLARED DISTANCES PSN	TORA	TODA	ASDA	LDA	THR ELEV	RWY LIGHTING THR	PAPI	TDZ	CL	EDGE	END	THR PSN
11	38 F/B/X/T	THR				6568	46	LIH	3.00°			LIH	LIH	55°04.01'N 014°44.71'E
		A	6568	6568	6568									
		B	5928	5928	5928									
29		THR	6568	6568	6568	6568	51	LIH	3.00°			LIH	LIH	55°03.58'N 014°46.43'E

Flight Procedures

1. IFR Arrival

1.1 Aircraft will normally be cleared by SWEDEN CONTROL to ROE VOR.

1.2 Navigation aid designated for radio communication failure during IMC for arriving aircraft is NDB FAU.

2. IFR Departure

2.1 Standard Instrument Departures (SID) have not been established.

2.2 Omnidirectional departures

RWY 11: Climb straight ahead to at least 700 FT MSL before turn is commenced.

RWY 29: Climb on track 272°. Procedure design gradient 6.1% to 1000 FT MSL, due to cranes at 722 FT / 2.1 NM NW of DER. Continue on track until ROE DME 5.0 NM before turn is commenced.

NOTE: Propeller aeroplanes with a MTOM below 5700 KG may commence turn after passing 1000 FT.

Remark RWY 29: If unable to comply contact ATC 24 HR before ETD for alternative departure. Availability depending on obstacles in Rønne Harbour.

CHANGES: MAGNETIC VARIATION, DEPARTURE PROCEDURE.

AIR COMMAND DENMARK - MIL AIM 22 JAN 2026

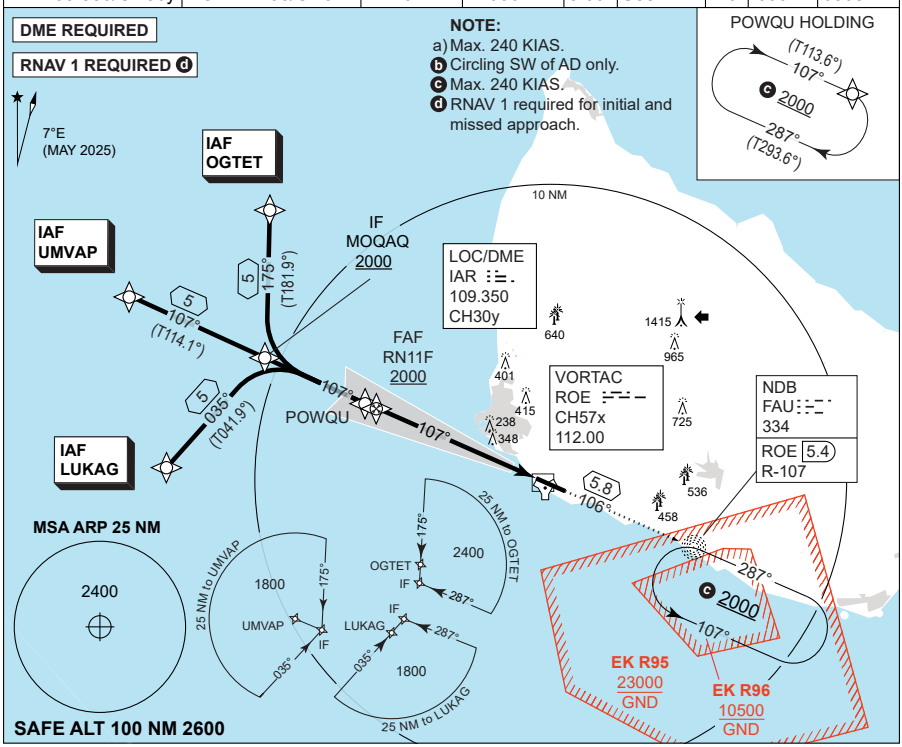
MIPS
INSTRUMENT APPROACH CHART

AD ELEV 52

ILS or LOC Z RWY 11
ROENNE (EKRN)

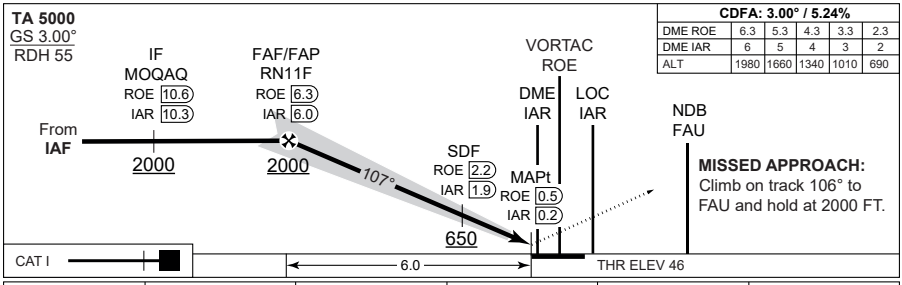
SWEDEN CONTROL	ROENNE TOWER
134.980 128.180	257.800 118.330

LOC/DME	TACAN	APP COURSE	GS INCPT ALT	GS	DA	THR	ALS	LDA
IAR 109.350/CH30y	ROE 112.00/CH57x	107°	2000 FT	3.00°	**See CAT**	46	600 M	6568 FT



TA 5000
GS 3.00°
RDH 55

CDFA: 3.00° / 5.24%					
DME ROE	6.3	5.3	4.3	3.3	2.3
DME IAR	6	5	4	3	2
ALT	1980	1660	1340	1010	690



CATEGORY	A	B	C	D	E
MIPS S-ILS 11	**246** - 750 200 (200-0.8/1.2)				**252** - 750 206 (300-0.8/1.2)
MIPS S-LOC 11	**380** - 1100 328 (400-1.1/1.5)				
MIPS CIRCLING b	**470** - 1.5 418 (500-1.5)	**650** - 1.6 598 (600-1.6)	**730** - 2.4 678 (700-2.4)	**750** - 3.6 698 (700-3.6)	**840** - 3.6 788 (800-3.6)

CHANGES: TAAs ADDED. MAX HLDG SPEED CHANGED. MAX HLDG ALTITUDE WITHDRAWN. MISSED APPROACH INSTRUCTION CHANGED.

AIR COMMAND DENMARK - MIL AIM 09 JUL 2026 - RDAF FLIP SUP.

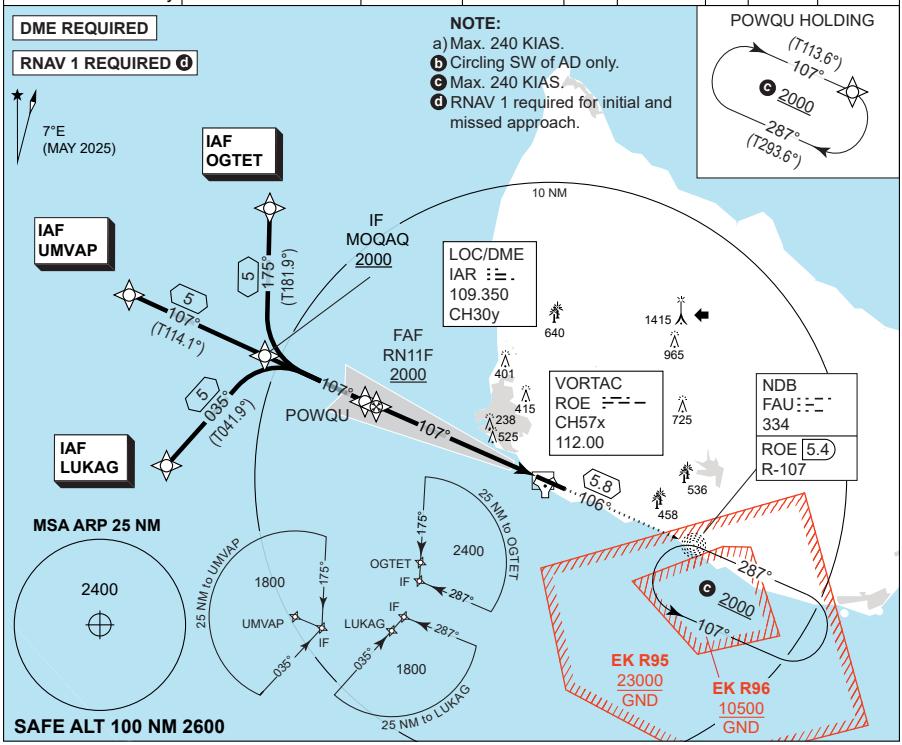
MIPS
INSTRUMENT APPROACH CHART

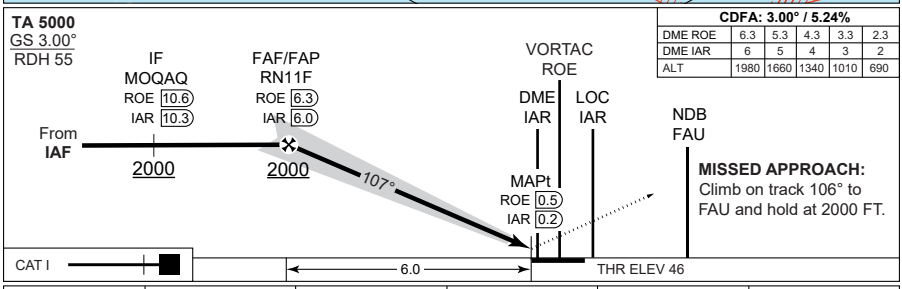
AD ELEV 52

ILS or LOC Y RWY 11
ROENNE (EKRN)

SWEDEN CONTROL	ROENNE TOWER
134.980 128.180	257.800 118.330

LOC/DME	TACAN	APP COURSE	GS INCPT ALT	GS	DA	THR	ALS	LDA
IAR 109.350/CH30y	ROE 112.00/CH57x	107°	2000 FT	3.00°	**See CAT**	46	600 M	6568 FT





CDFA: 3.00° / 5.24%

DME ROE	6.3	5.3	4.3	3.3	2.3
DME IAR	6	5	4	3	2
ALT	1980	1660	1340	1010	690

CATEGORY	A	B	C	D	E
MIPS S-ILS 11	**246** - 750 200 (200-0.8/1.2)				**252** - 750 206 (300-0.8/1.2)
MIPS S-LOC 11	NOT AUTHORISED				
MIPS CIRCLING b	**780** - 1.5 728 (800-1.5)	**830** - 1.6 778 (800-1.6)	**920** - 2.4 868 (900-2.4)	**920** - 3.6 868 (900-3.6)	**1020** - 3.6 968 (1000-3.6)

CHANGES: TAAs ADDED. MAX HLDG SPEED CHANGED. MAX HLDG ALTITUDE WITHDRAWN. MISSED APPROACH INSTRUCTION CHANGED.

AIR COMMAND DENMARK - MIL AIM 09 JUL 2026 - RDAF FLIP SUP.

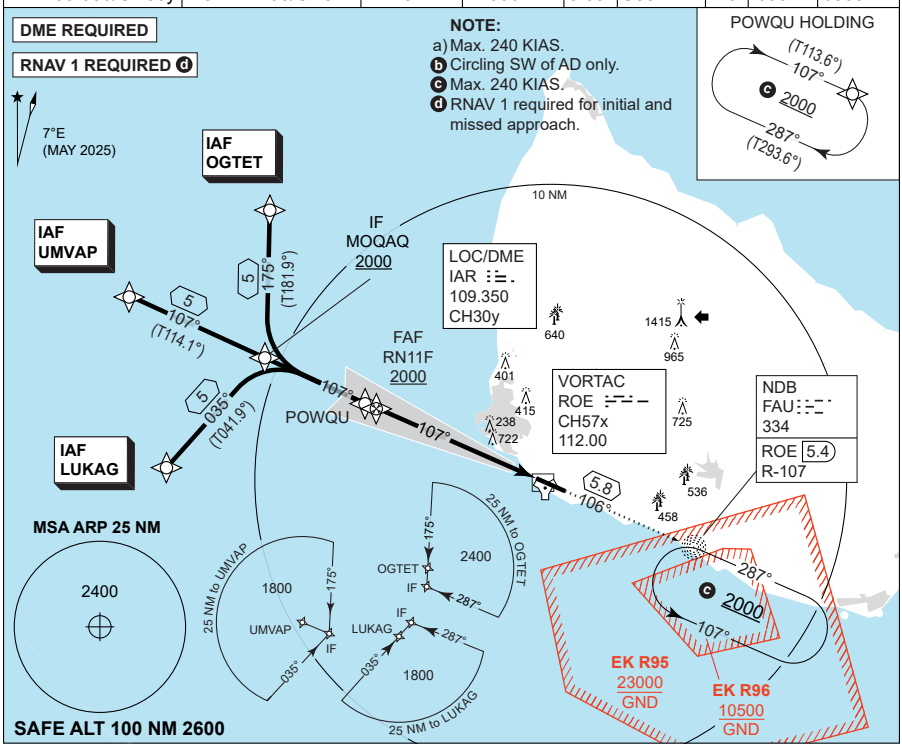
MIPS
INSTRUMENT APPROACH CHART

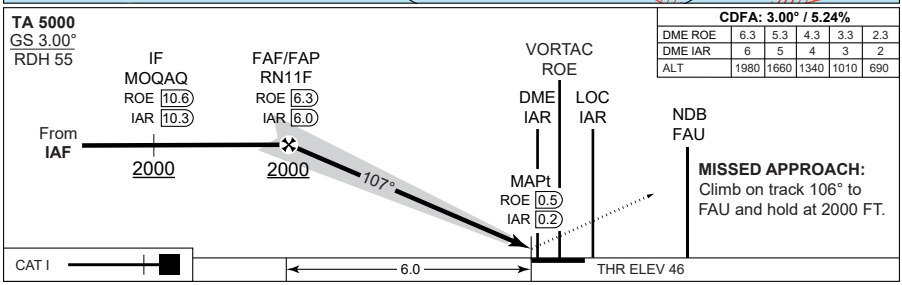
AD ELEV 52

ILS or LOC X RWY 11
ROENNE (EKRN)

SWEDEN CONTROL	ROENNE TOWER
134.980 128.180	257.800 118.330

LOC/DME	TACAN	APP COURSE	GS INCPT ALT	GS	DA	THR	ALS	LDA
IAR 109.350/CH30y	ROE 112.00/CH57x	107°	2000 FT	3.00°	**See CAT**	46	600 M	6568 FT





CDFA: 3.00° / 5.24%

DME ROE	6.3	5.3	4.3	3.3	2.3
DME IAR	6	5	4	3	2
ALT	1980	1660	1340	1010	690

CATEGORY	A	B	C	D	E
MIPS S-ILS 11	**246** - 750 200 (200-0.8/1.2)				**901** - 2400 855 (900-2.4/4.0)
MIPS S-LOC 11	NOT AUTHORISED				
MIPS CIRCLING b	**860** - 1.5 808 (900-1.5)	**1020** - 1.6 968 (1000-1.6)	**1120** - 2.4 1068 (1100-2.4)	**1120** - 3.6 1068 (1100-3.6)	**1220** - 3.6 1168 (1200-3.6)

CHANGES: TAAs ADDED. MAX HLDG SPEED CHANGED. MAX HLDG ALTITUDE WITHDRAWN. MISSED APPROACH INSTRUCTION CHANGED.

AIR COMMAND DENMARK - MIL AIM 09 JUL 2026 - RDAF FLIP SUP.

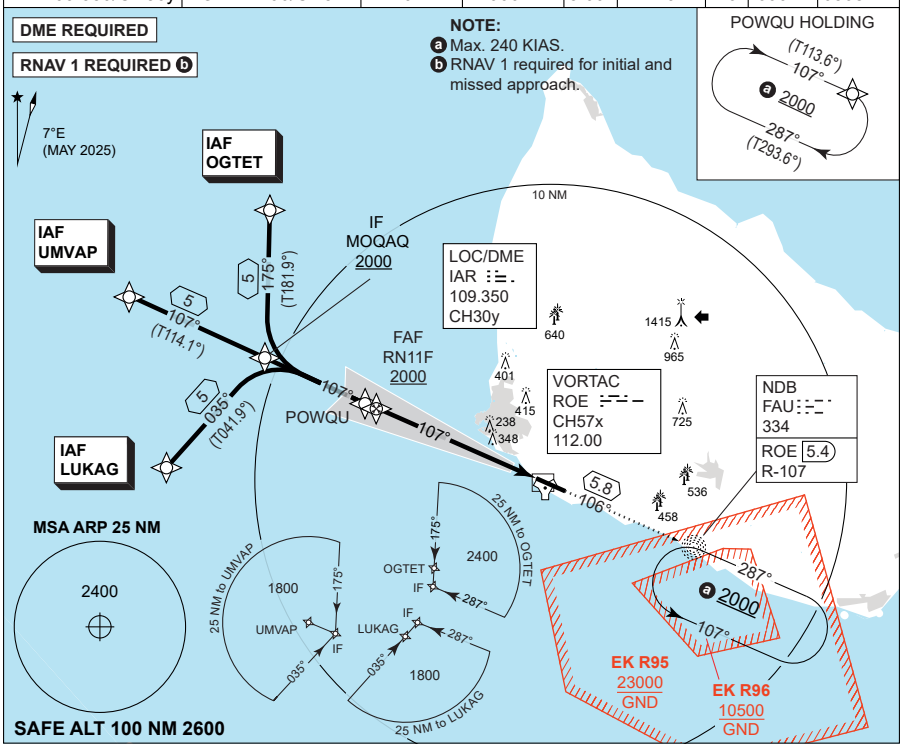
MIPS
INSTRUMENT APPROACH CHART

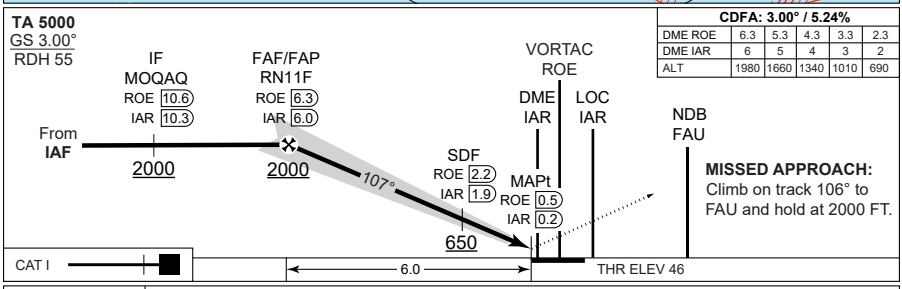
AD ELEV 52

COPTER ILS or LOC Z RWY 11
ROENNE (EKRN)

SWEDEN CONTROL	ROENNE TOWER
134.980 128.180	257.800 118.330

LOC/DME	TACAN	APP COURSE	GS INCPT ALT	GS	DA	THR	ALS	LDA
IAR 109.350/CH30y	ROE 112.00/CH57x	107°	2000 FT	3.00°	**246**	46	600 M	6568 FT





CDFA: 3.00° / 5.24%

DME ROE	6.3	5.3	4.3	3.3	2.3
DME IAR	6	5	4	3	2
ALT	1980	1660	1340	1010	690

	CATEGORY	H
MIPS	H-ILS 11	**246** - 400 200 (200-0.4/0.8)
	H-LOC 11	**380** - 400 328 (400-0.4/0.8)

CHANGES: TAAs ADDED. MAX HLDG SPEED CHANGED. MAX HLDG ALTITUDE WITHDRAWN. MISSED APPROACH INSTRUCTION CHANGED.

AIR COMMAND DENMARK - MIL AIM 09 JUL 2026 - RDAF FLIP SUP.

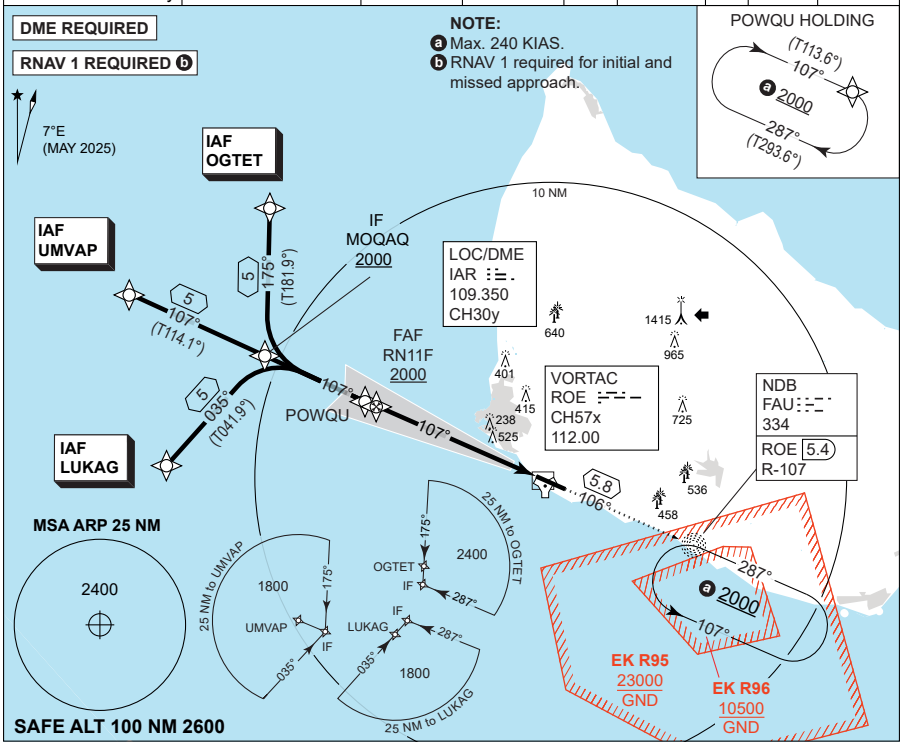
MIPS
INSTRUMENT APPROACH CHART

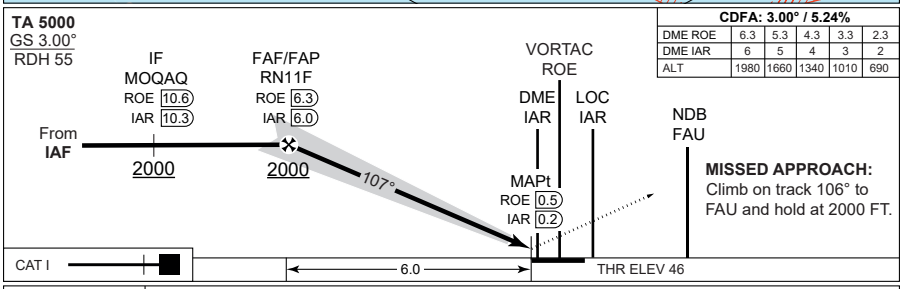
AD ELEV 52

COPTER ILS or LOC Y RWY 11
ROENNE (EKRN)

SWEDEN CONTROL	ROENNE TOWER
134.980 128.180	257.800 118.330

LOC/DME	TACAN	APP COURSE	GS INCPT ALT	GS	DA	THR	ALS	LDA
IAR 109.350/CH30y	ROE 112.00/CH57x	107°	2000 FT	3.00°	**246**	46	600 M	6568 FT





CDFA: 3.00° / 5.24%

DME ROE	6.3	5.3	4.3	3.3	2.3
DME IAR	6	5	4	3	2
ALT	1980	1660	1340	1010	690

	CATEGORY	H
MIPS	H-ILS 11	**246** - 400 200 (200-0.4/0.8)
	H-LOC 11	NOT AUTHORISED

CHANGES: TAAs ADDED. MAX HLDG SPEED CHANGED. MAX HLDG ALTITUDE WITHDRAWN. MISSED APPROACH INSTRUCTION CHANGED.

AIR COMMAND DENMARK - MIL AIM 09 JUL 2026 - RDAF FLIP SUP.

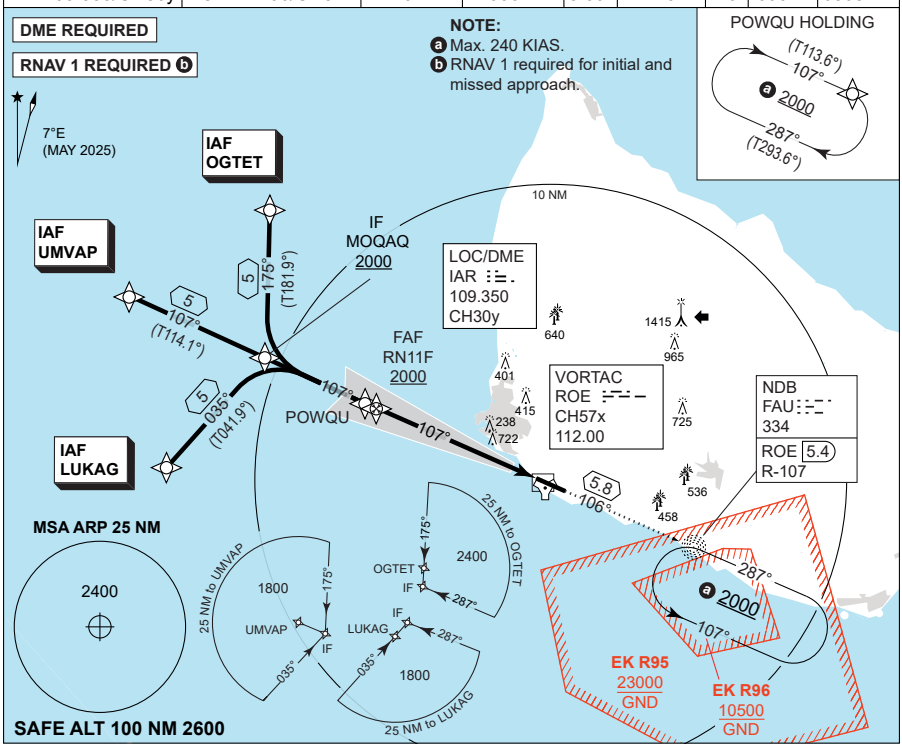
MIPS
INSTRUMENT APPROACH CHART

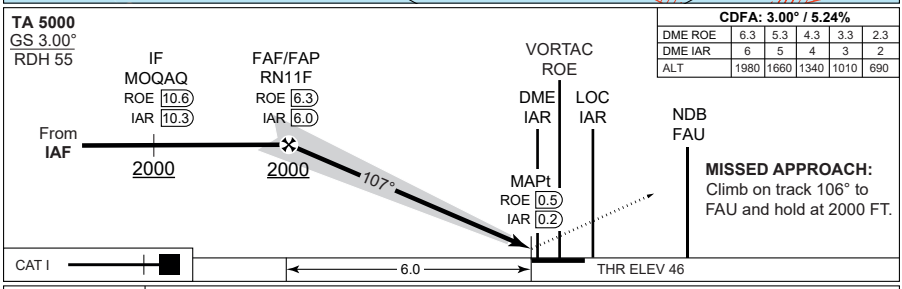
AD ELEV 52

COPTER ILS or LOC X RWY 11
ROENNE (EKRN)

SWEDEN CONTROL	ROENNE TOWER
134.980 128.180	257.800 118.330

LOC/DME	TACAN	APP COURSE	GS INCPT ALT	GS	DA	THR	ALS	LDA
IAR 109.350/CH30y	ROE 112.00/CH57x	107°	2000 FT	3.00°	**246**	46	600 M	6568 FT





CDFA: 3.00° / 5.24%

DME ROE	6.3	5.3	4.3	3.3	2.3
DME IAR	6	5	4	3	2
ALT	1980	1660	1340	1010	690

	CATEGORY	H
MIPS	H-ILS 11	**837** - 400 791 (800-0.4/0.8)
	H-LOC 11	NOT AUTHORISED

CHANGES: TAAs ADDED. MAX HLDG SPEED CHANGED. MAX HLDG ALTITUDE WITHDRAWN. MISSED APPROACH INSTRUCTION CHANGED.

AIR COMMAND DENMARK - MIL AIM 09 JUL 2026 - RDAF FLIP SUP.

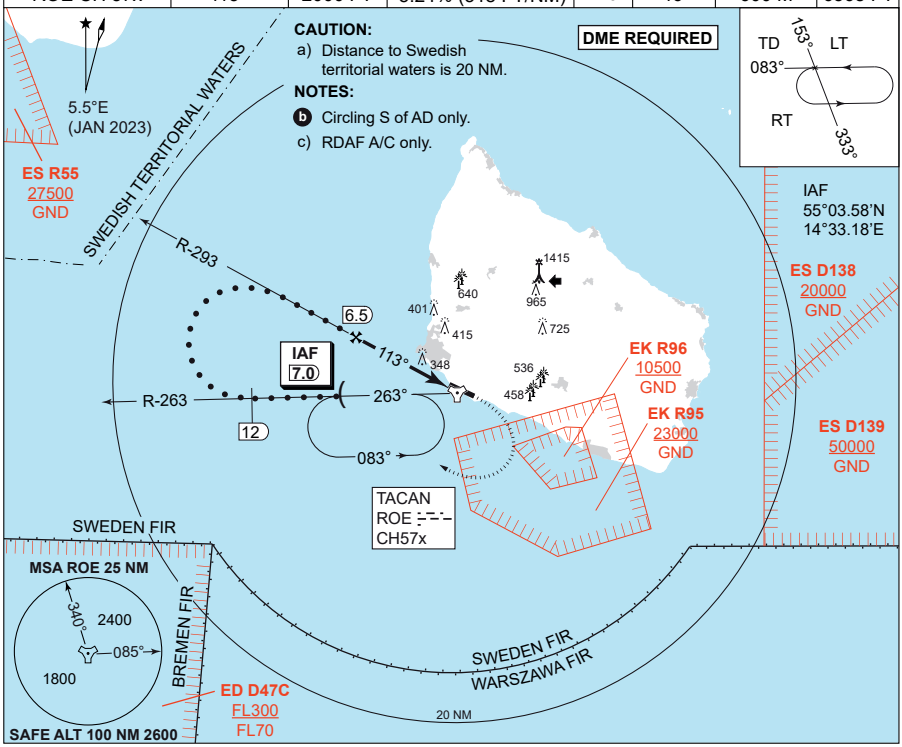
MIPS
INSTRUMENT APPROACH CHART

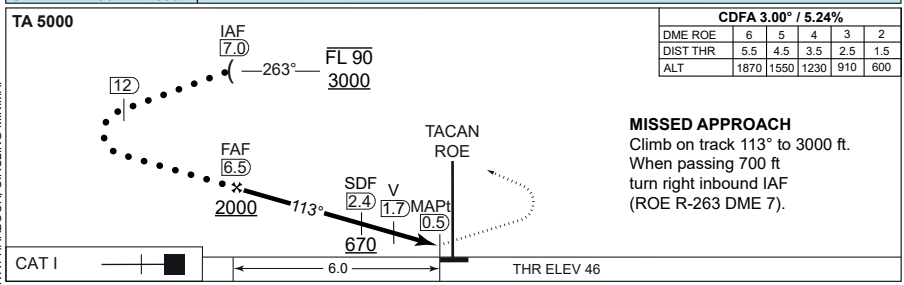
AD ELEV 52

HPMA TACAN Z RWY 11
ROENNE (EKRN)

SWEDEN CONTROL	ROENNE TOWER
134.980 128.180	257.800 118.330

TACAN	APP COURSE	FAF ALT	DESCENT GR.	MDA	THR ELEV	ALS LENGTH	LDA
ROE CH 57x	113°	2000 FT	5.24% (318 FT/NM)	**440**	46	600 M	6568 FT





CDFA 3.00° / 5.24%					
DME ROE	6	5	4	3	2
DIST THR	5.5	4.5	3.5	2.5	1.5
ALT	1870	1550	1230	910	600

MISSED APPROACH
Climb on track 113° to 3000 ft.
When passing 700 ft
turn right inbound IAF
(ROE R-263 DME 7).

	CATEGORY	HPMA
MIPS	S-TACAN 11	**440** - 1400 388 (400-1.4/1.8)
MIPS	CIRCLING	**650** - 3.2 598 (600-3.2)

CHANGES: OBST. ELEVATION AT HARBOUR, CIRCLING MINIMA.

AIR COMMAND DENMARK - MIL AIM 28 NOV 2024 - RDAF FLIP SUP.

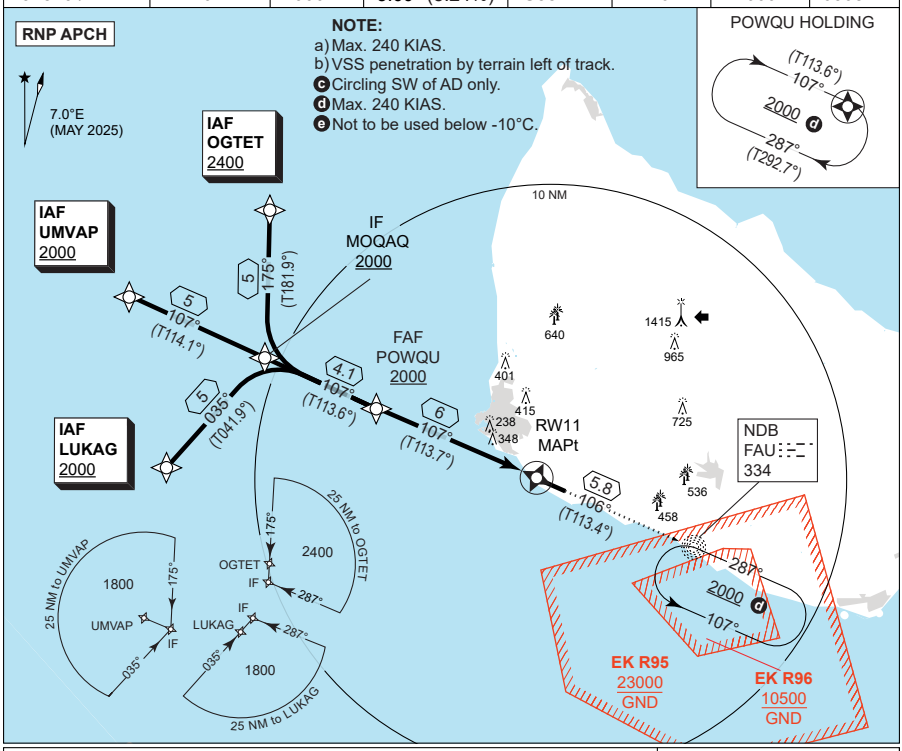
MIPS
INSTRUMENT APPROACH CHART

AD ELEV 52

RNP Z RWY 11
ROENNE (EKRN)

SWEDEN CONTROL	ROENNE TOWER
134.980 128.180	257.800 118.330

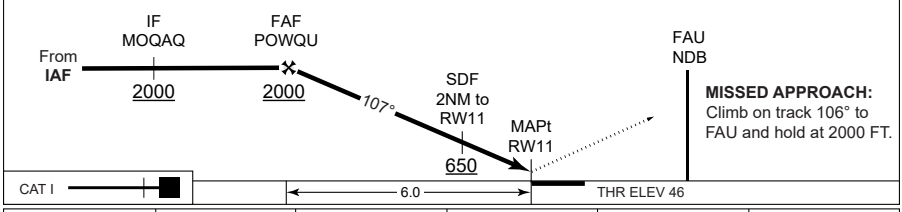
EGNOS CHANNEL	APP COURSE	FAF ALT	Descent GR	DA	THR ELEV	ALS length	LDA
57819 / E11A	107°	2000 FT	3.00° (5.24%)	**See CAT**	46	600	6568 FT



TA 5000
GS 3.00°
RDH 55

CDFA: 3.00° / 5.24%

DIST THR	2	3	4	5	6
ALT	730	1050	1370	1690	2000



CATEGORY	A	B	C	D	E
MIPS S-LPV	**296** - 600 250 (300-0.8/1.3)	**296** - 600 250 (300-0.8/1.3)	**305** - 600 259 (300-0.8/1.3)	**315** - 600 269 (300-0.8/1.3)	**315** - 600 269 (300-0.8/1.3)
MIPS S-LNAV/VNAV e	**320** - 600 274 (300-0.8/1.3)	**330** - 650 284 (300-0.8/1.4)	**340** - 650 294 (300-0.8/1.4)	**350** - 700 304 (400-0.8/1.4)	**386** - 800 340 (400-0.8/1.5)
MIPS S-LNAV	**440** - 1100 388 (400-1.1/1.8)				
MIPS CIRCLING c	**470** - 1.5 418 (500-1.5)	**650** - 1.6 598 (600-1.6)	**730** - 2.4 678 (700-2.4)	**750** - 3.6 698 (700-3.6)	**840** - 3.6 788 (800-3.6)

CHANGES: MAX HLDG SPEED CHANGED. MAX HLDG ALTITUDE WITHDRAWN. MISSED APPROACH INSTRUCTION CHANGED.

AIR COMMAND DENMARK - MIL AIM 09 JUL 2026 - RDAF FLIP SUP.

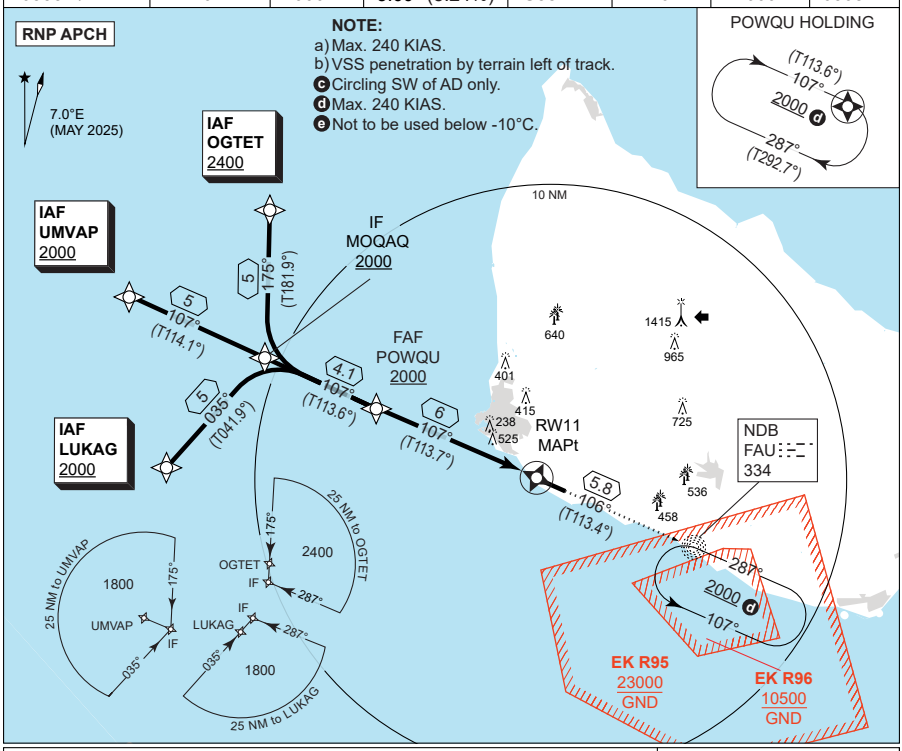
MIPS
INSTRUMENT APPROACH CHART

RNP Y RWY 11
ROENNE (EKRN)

AD ELEV 52

SWEDEN CONTROL	ROENNE TOWER
134.980 128.180	257.800 118.330

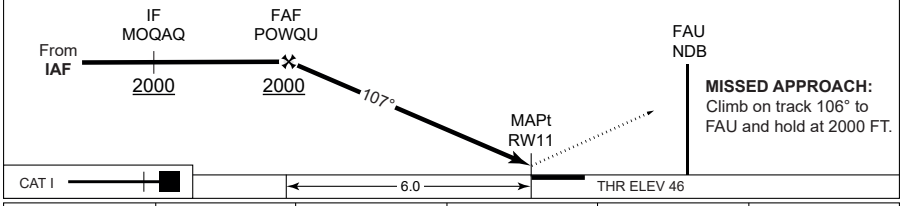
EGNOS CHANNEL	APP COURSE	FAF ALT	Descent GR	DA	THR ELEV	ALS length	LDA
63551 / E11B	107°	2000 FT	3.00° (5.24%)	**See CAT**	46	600	6568 FT



TA 5000
GS 3.00°
RDH 55

CDFA: 3.00° / 5.24%

DIST THR	2	3	4	5	6
ALT	730	1050	1370	1690	2000



	CATEGORY	A	B	C	D	E
MIPS	S-LPV	**296** - 600 250 (300-0.8/1.3)	**296** - 600 250 (300-0.8/1.3)	**305** - 600 259 (300-0.8/1.3)	**315** - 600 269 (300-0.8/1.3)	**315** - 600 269 (300-0.8/1.3)
MIPS	S-LNAV/VNAV e	**660** - 1500 614 (700-1.5/2.8)	**670** - 1500 624 (700-1.5/2.9)	**680** - 2200 634 (700-2.2/2.9)	**690** - 2300 644 (700-2.3/3.0)	**705** -2300 659 (700-2.3/3.0)
MIPS	S-LNAV	NOT AUTHORISED				
MIPS	CIRCLING c	**780** - 1.5 728 (800-1.5)	**830** - 1.6 778 (800-1.6)	**920** - 2.4 868 (900-2.4)	**920** - 3.6 868 (900-3.6)	**1020** - 3.6 968 (1000-3.6)

CHANGES: MAX HLDG SPEED CHANGED. MAX HLDG ALTITUDE WITHDRAWN. MISSED APPROACH INSTRUCTION CHANGED.

AIR COMMAND DENMARK - MIL AIM 09 JUL 2026 - RDAF FLIP SUP.

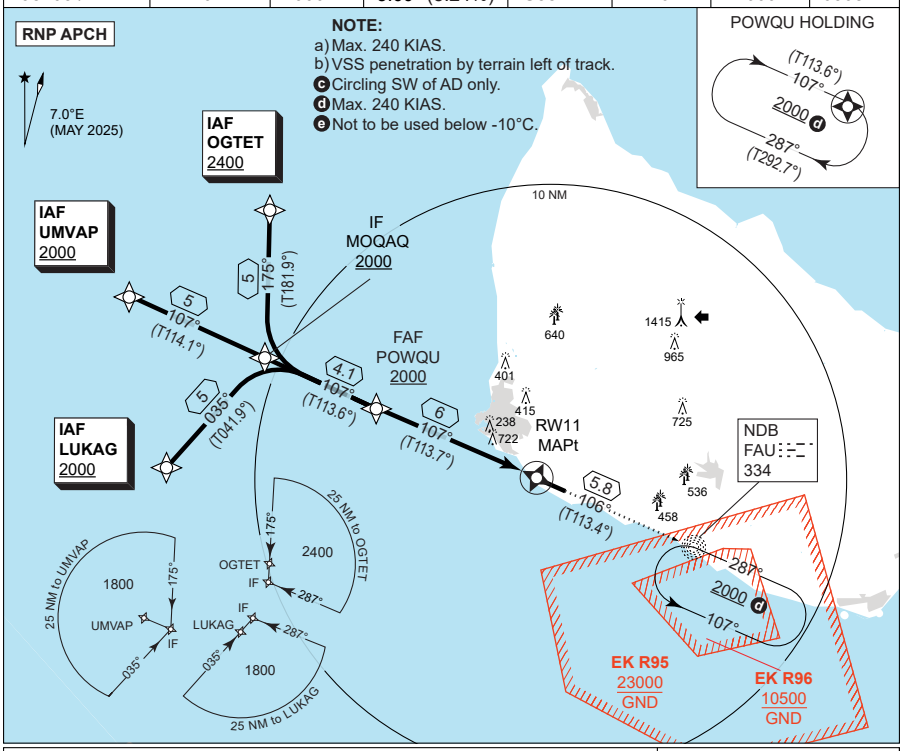
MIPS
INSTRUMENT APPROACH CHART

RNP X RWY 11
ROENNE (EKRN)

AD ELEV 52

SWEDEN CONTROL	ROENNE TOWER
134.980 128.180	257.800 118.330

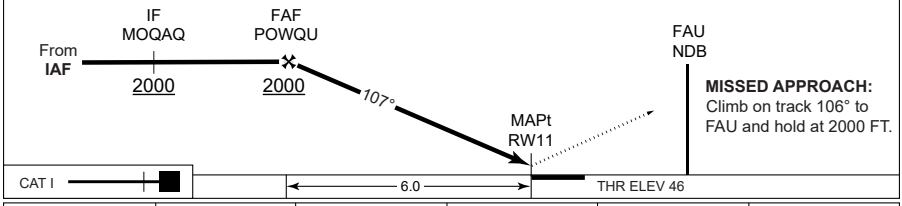
EGNOS CHANNEL	APP COURSE	FAF ALT	Descent GR	DA	THR ELEV	ALS length	LDA
98403 / E11D	107°	2000 FT	3.00° (5.24%)	**See CAT**	46	600	6568 FT



TA 5000
GS 3.00°
RDH 55

CDFA: 3.00° / 5.24%

DIST THR	2	3	4	5	6
ALT	730	1050	1370	1690	2000



	CATEGORY	A	B	C	D	E
MIPS	S-LPV	**854** - 1500 808 (900-1.5/3.8)	**863** - 1500 817 (900-1.5/3.8)	**873** - 2400 827 (900-2.4/3.8)	**883** - 2400 837 (900-2.4/3.8)	**901** - 2400 855 (900-2.4/4.0)
MIPS	S-LNAV/VNAV e	**860** - 1500 814 (900-1.5/3.8)	**870** - 1500 824 (900-1.5/3.8)	**880** - 2400 834 (900-2.4/3.8)	**890** - 2400 844 (900-2.4/3.8)	**910** -2400 864 (900-2.4/4.0)
MIPS	S-LNAV	NOT AUTHORISED				
MIPS	CIRCLING c	**860** - 1.5 808 (900-1.5)	**1020** - 1.6 968 (1000-1.6)	**1120** - 2.4 1068 (1100-2.4)	**1120** - 3.6 1068 (1100-3.6)	**1220** - 3.6 1168 (1200-3.6)

CHANGES: MAX HLDG SPEED CHANGED. MAX HLDG ALTITUDE WITHDRAWN. MISSED APPROACH INSTRUCTION CHANGED.

AIR COMMAND DENMARK - MIL AIM 09 JUL 2026 - RDAF FLIP SUP.

EKRN RNP RWY 11 waypoint coordinates:

RWY 11 from OGTET (Initial LEFT) APPROACH RNP

		CODING		DISPLAY	
OGTET	IAF	55 13 04.93N	014 28 53.52E	55 13.082N	014 28.892E
MOQAQ	IF	55 08 03.45N	014 28 36.48E	55 08.058N	014 28.608E
POWQU	FAF	55 06 24.93N	014 35 08.92E	55 06.416N	014 35.149E
RW11	MAPt	55 04 00.78N	014 44 42.77E	55 04.013N	014 44.713E
FAU	MAHF	55 01 41.49N	014 54 01.79E	55 01.692N	014 54.030E

RWY 11 from UMVAP (Initial STRAIGHT) APPROACH RNP

		CODING		DISPLAY	
UMVAP	IAF	55 10 05.95N	014 20 38.82E	55 10.099N	014 20.647E
MOQAQ	IF	55 08 03.45N	014 28 36.48E	55 08.058N	014 28.608E
POWQU	FAF	55 06 24.93N	014 35 08.92E	55 06.416N	014 35.149E
RW11	MAPt	55 04 00.78N	014 44 42.77E	55 04.013N	014 44.713E
FAU	MAHF	55 01 41.49N	014 54 01.79E	55 01.692N	014 54.030E

RWY 11 from LUKAG (Initial RIGHT) APPROACH RNP

		CODING		DISPLAY	
LUKAG	IAF	55 04 22.18N	014 22 49.96E	55 04.370N	014 22.833E
MOQAQ	IF	55 08 03.45N	014 28 36.48E	55 08.058N	014 28.608E
POWQU	FAF	55 06 24.93N	014 35 08.92E	55 06.416N	014 35.149E
RW11	MAPt	55 04 00.78N	014 44 42.77E	55 04.013N	014 44.713E
FAU	MAHF	55 01 41.49N	014 54 01.79E	55 01.692N	014 54.030E

Threshold coordinates RWY 11

	CODING		DISPLAY	
RWY 11	55 04 00.78N	014 44 42.77E	55 04.013N	014 44.713E

CHANGES: NEW CHART.

AIR COMMAND DENMARK - MIL AIM 10 JUL 2025

MIPS
INSTRUMENT APPROACH CHART

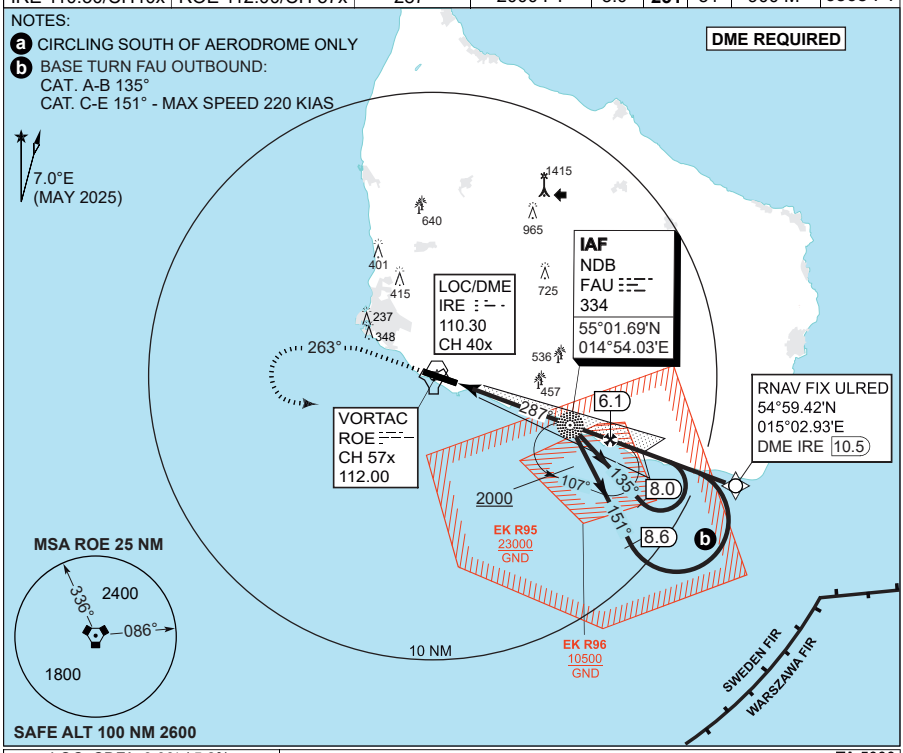
AD ELEV 52

ILS or LOC Z RWY 29
ROENNE (EKRN)

SWEDEN CONTROL	ROENNE TOWER
134.980 128.180	257.800 118.330

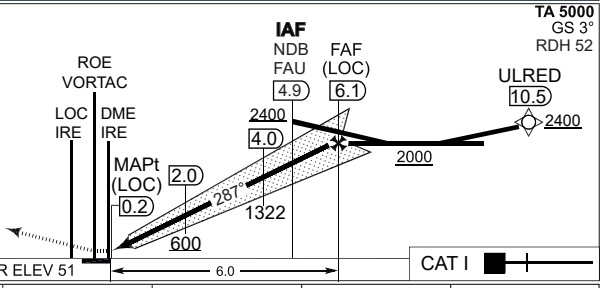
LOC/DME	VORTAC	APP COURSE	GS INTCP ALT	GS	DA	THR	ALS length	LDA
IRE 110.30/CH40x	ROE 112.00/CH 57x	287°	2000 FT	3.0°	**251**	51	900 M	6568 FT

NOTES:
- **a** CIRCLING SOUTH OF AERODROME ONLY
- **b** BASE TURN FAU OUTBOUND:
  CAT. A-B 135°
  CAT. C-E 151° - MAX SPEED 220 KIAS



LOC CDFA 3.00° / 5.2%					
DME IRE	2	3	4	5	6
DIST THR	1.8	2.8	3.8	4.8	5.8
ALT	690	1010	1330	1640	1960

MISSED APPROACH
Climb to minimum 700 ft, turn left and climb on track 263° to 2000 ft. Turn left to FAU NDB (ROE R-107, IRE DME 4.9) and hold.



CATEGORY	A	B	C	D	E
MIPS S-ILS 29	**251** - 550 200 (200-0.8/1.2)				**265** - 550 214 (300-0.8/1.2)
MIPS S-LOC 29	**430** - 1000 378 (400-1.0/1.7)				
MIPS CIRCLING **a**	**470** - 1.5 418 (500-1.5)	**650** - 1.6 598 (600-1.6)	**730** - 2.4 678 (700-2.4)	**750** - 3.6 698 (700-3.6)	**840** - 3.6 788 (800-3.6)

CHANGES: MAX HLDG ALTITUDE WITHDRAWN.

AIR COMMAND DENMARK - MIL AIM 09 JUL 2026 - RDAF FLIP SUP.

MIPS
INSTRUMENT APPROACH CHART

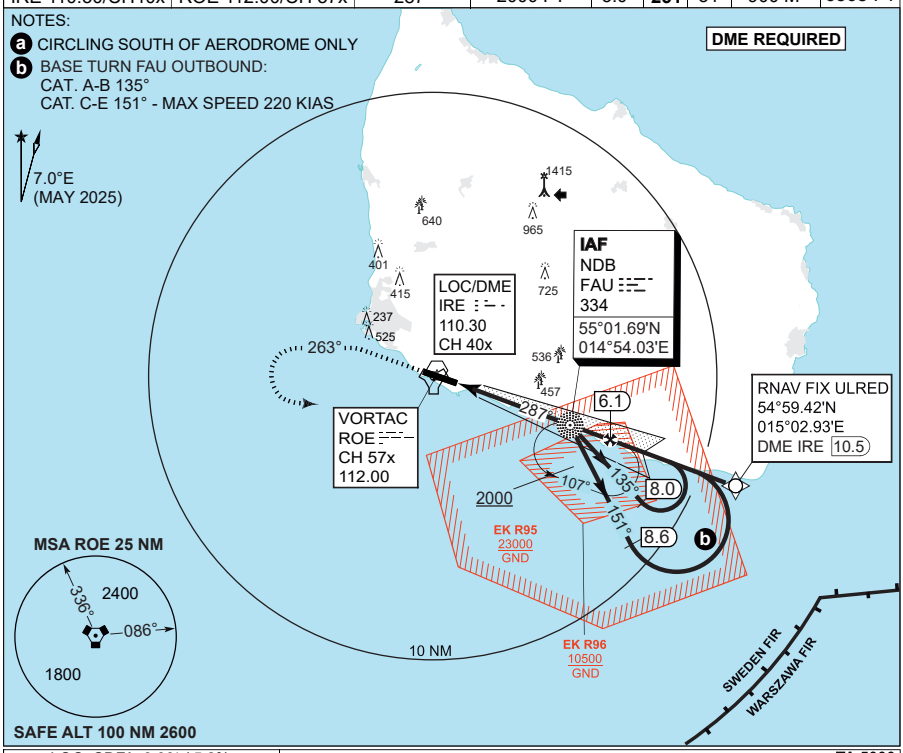
AD ELEV 52

ILS or LOC Y RWY 29
ROENNE (EKRN)

SWEDEN CONTROL	ROENNE TOWER
134.980 128.180	257.800 118.330

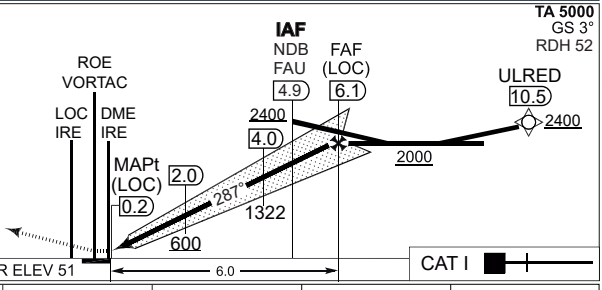
LOC/DME	VORTAC	APP COURSE	GS INTCP ALT	GS	DA	THR	ALS length	LDA
IRE 110.30/CH40x	ROE 112.00/CH 57x	287°	2000 FT	3.0°	**251**	51	900 M	6568 FT

NOTES:
- **a** CIRCLING SOUTH OF AERODROME ONLY
- **b** BASE TURN FAU OUTBOUND:
  CAT. A-B 135°
  CAT. C-E 151° - MAX SPEED 220 KIAS



LOC CDFA 3.00° / 5.2%					
DME IRE	2	3	4	5	6
DIST THR	1.8	2.8	3.8	4.8	5.8
ALT	690	1010	1330	1640	1960

MISSED APPROACH
Climb to minimum 700 ft, turn left and climb on track 263° to 2000 ft. Turn left to FAU NDB (ROE R-107, IRE DME 4.9) and hold.



CATEGORY	A	B	C	D	E
MIPS S-ILS 29	**251** - 550 200 (200-0.8/1.2)				**265** - 550 214 (300-0.8/1.2)
MIPS S-LOC 29	**430** - 1000 378 (400-1.0/1.7)				
MIPS CIRCLING **a**	**780** - 1.5 728 (800-1.5)	**830** - 1.6 778 (800-1.6)	**920** - 2.4 868 (900-2.4)	**920** - 3.6 868 (900-3.6)	**1020** - 3.6 968 (1000-3.6)

CHANGES: MAX HLDG ALTITUDE WOTHDRAWN.

AIR COMMAND DENMARK - MIL AIM 09 JUL 2026 - RDAF FLIP SUP.

MIPS
INSTRUMENT APPROACH CHART

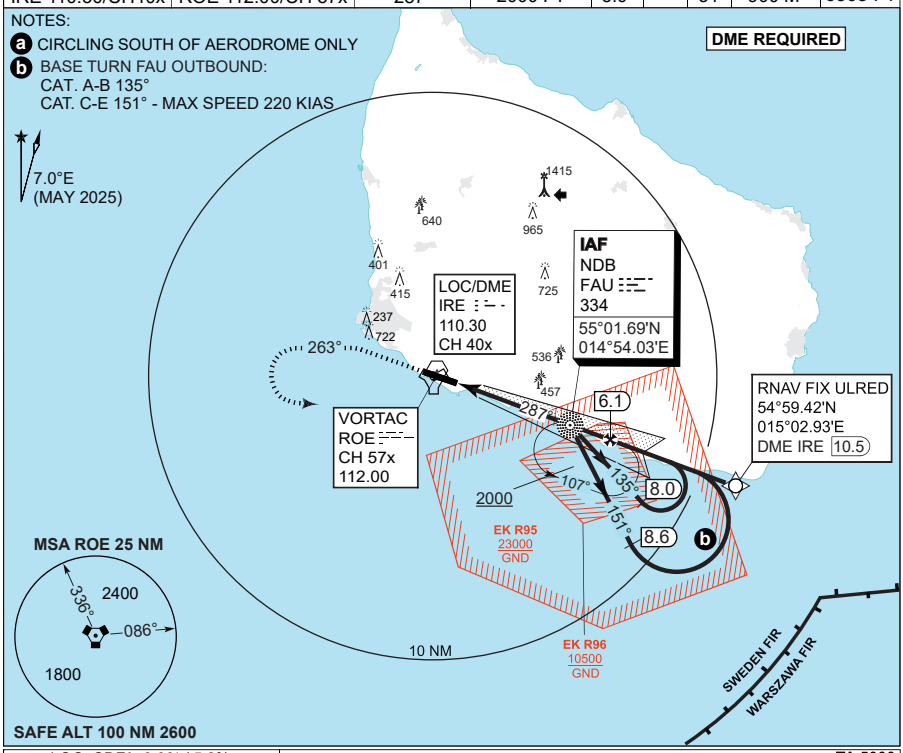
AD ELEV 52

ILS or LOC X RWY 29
ROENNE (EKRN)

SWEDEN CONTROL	ROENNE TOWER
134.980 128.180	257.800 118.330

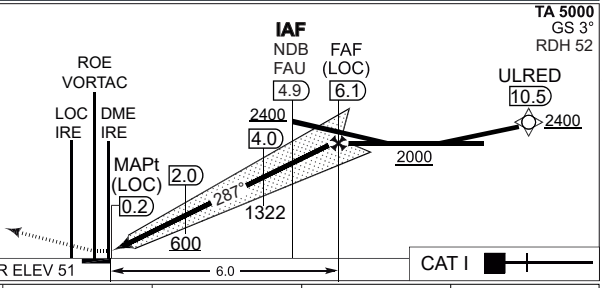
LOC/DME	VORTAC	APP COURSE	GS INTCP ALT	GS	DA	THR	ALS length	LDA
IRE 110.30/CH40x	ROE 112.00/CH 57x	287°	2000 FT	3.0°	-	51	900 M	6568 FT

NOTES:
- a CIRCLING SOUTH OF AERODROME ONLY
- b BASE TURN FAU OUTBOUND:
  CAT. A-B 135°
  CAT. C-E 151° - MAX SPEED 220 KIAS



LOC CDFA 3.00° / 5.2%					
DME IRE	2	3	4	5	6
DIST THR	1.8	2.8	3.8	4.8	5.8
ALT	690	1010	1330	1640	1960

MISSED APPROACH
Climb to minimum 700 ft, turn left and climb on track 263° to 2000 ft. Turn left to FAU NDB (ROE R-107, IRE DME 4.9) and hold.



MIPS	CATEGORY	A	B	C	D	E
	S-ILS 29	**308** - 600 257 (300-0.8/1.3)	**318** - 600 267 (300-0.8/1.3)	**328** - 600 277 (300-0.8/1.3)	**341** - 650 290 (300-0.8/1.4)	**413** - 1000 362 (400-1.0/1.7)
	S-LOC 29	**590** - 1000 539 (600-1.0/1.7)				
	CIRCLING a	**860** - 1.5 808 (900-1.5)	**1020** - 1.6 968 (1000-1.6)	**1120** - 2.4 1068 (1100-2.4)	**1120** - 3.6 1068 (1100-3.6)	**1220** - 3.6 1168 (1200-3.6)

CHANGES: MAX HLDG ALTITUDE WITHDRAWN.

AIR COMMAND DENMARK - MIL AIM 09 JUL 2026 - RDAF FLIP SUP.

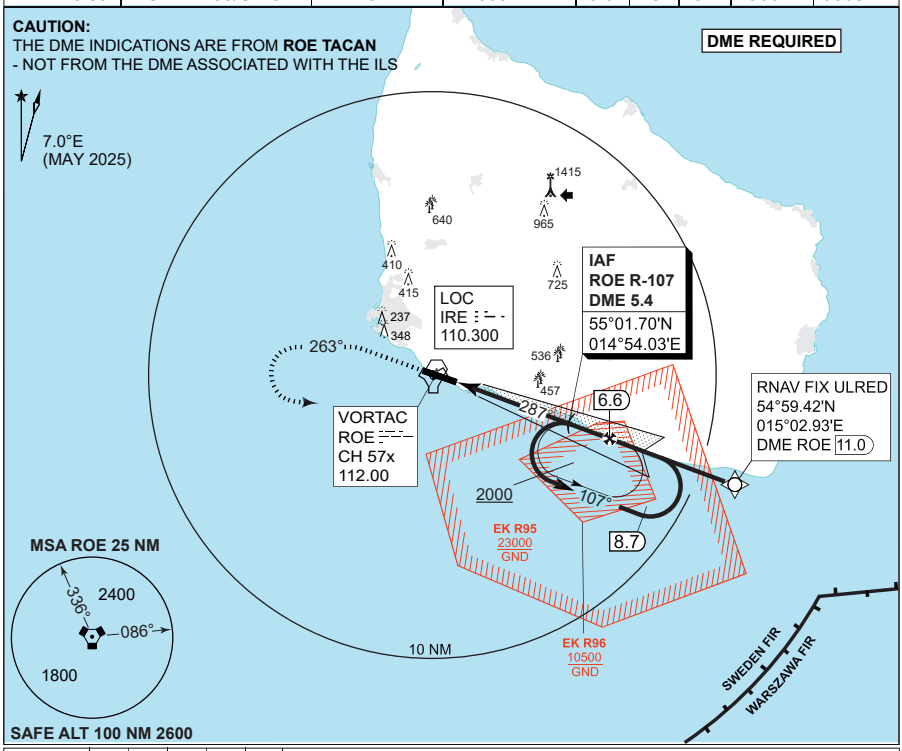
MIPS
INSTRUMENT APPROACH CHART

AD ELEV 52

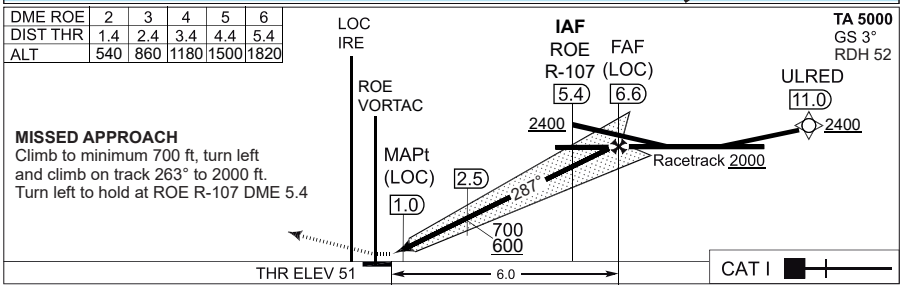
COPTER ILS or LOC Z RWY 29
ROENNE (EKRN)

SWEDEN CONTROL	ROENNE TOWER
134.980 128.180	257.800 118.330

LOC	VORTAC	APP COURSE	GS INTCP ALT	GS	DA	THR	ALS length	LDA
IRE 110.30	ROE 112.00/CH 57x	287°	2000 FT	3.0°	**251**	51	900 M	6568 FT



DME ROE	2	3	4	5	6
DIST THR	1.4	2.4	3.4	4.4	5.4
ALT	540	860	1180	1500	1820



MISSED APPROACH
Climb to minimum 700 ft, turn left and climb on track 263° to 2000 ft. Turn left to hold at ROE R-107 DME 5.4

	CATEGORY	H
MIPS	H-ILS 29	**251** - 400 200 (200-0.4/0.8)
	H-LOC 29	**430** - 400 378 (400-0.4/0.8)

CHANGES: MAX HLDG ALTITUDE WITHDRAWN.

AIR COMMAND DENMARK - MIL AIM 09 JUL 2026 - RDAF FLIP SUP.

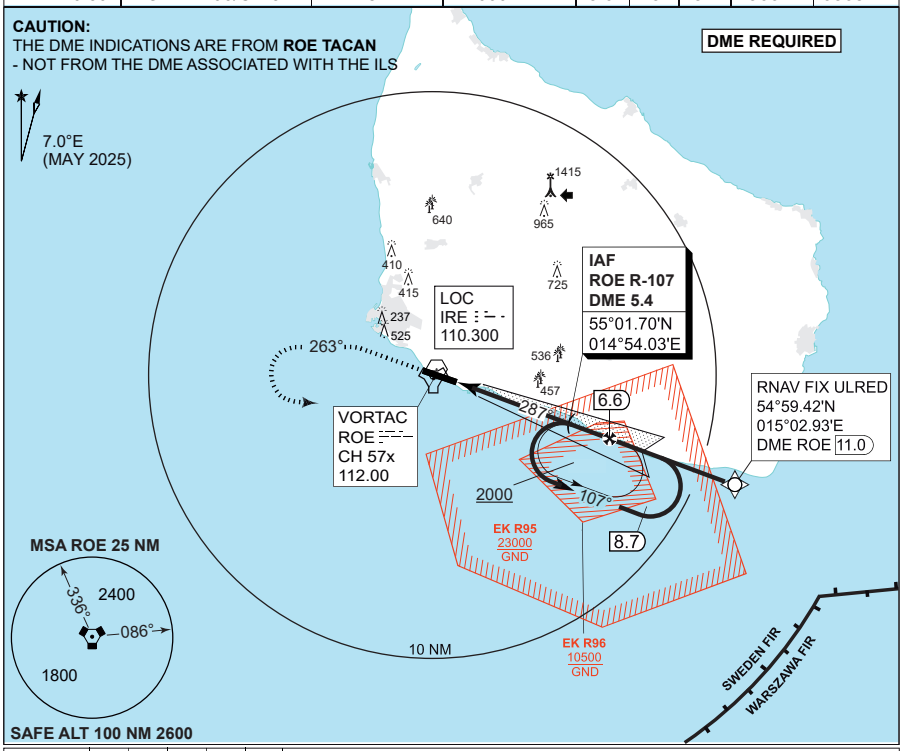
MIPS
INSTRUMENT APPROACH CHART

AD ELEV 52

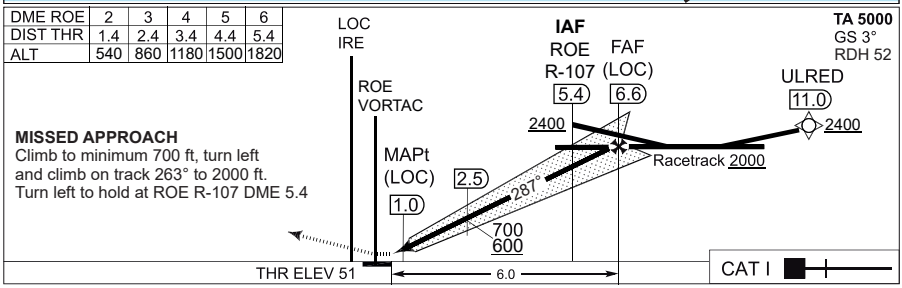
COPTER ILS or LOC Y RWY 29
ROENNE (EKRN)

SWEDEN CONTROL	ROENNE TOWER
134.980 128.180	257.800 118.330

LOC	VORTAC	APP COURSE	GS INTCP ALT	GS	DA	THR	ALS length	LDA
IRE 110.30	ROE 112.00/CH 57x	287°	2000 FT	3.0°	**251**	51	900 M	6568 FT



DME ROE	2	3	4	5	6
DIST THR	1.4	2.4	3.4	4.4	5.4
ALT	540	860	1180	1500	1820



MISSED APPROACH
Climb to minimum 700 ft, turn left and climb on track 263° to 2000 ft. Turn left to hold at ROE R-107 DME 5.4

	CATEGORY	H
MIPS	H-ILS 29	**251** - 400 200 (200-0.4/0.8)
	H-LOC 29	**430** - 400 378 (400-0.4/0.8)

CHANGES: MAX HLDG ALTITUDE WITHDRAWN.

AIR COMMAND DENMARK - MIL AIM 09 JUL 2026 - RDAF FLIP SUP.

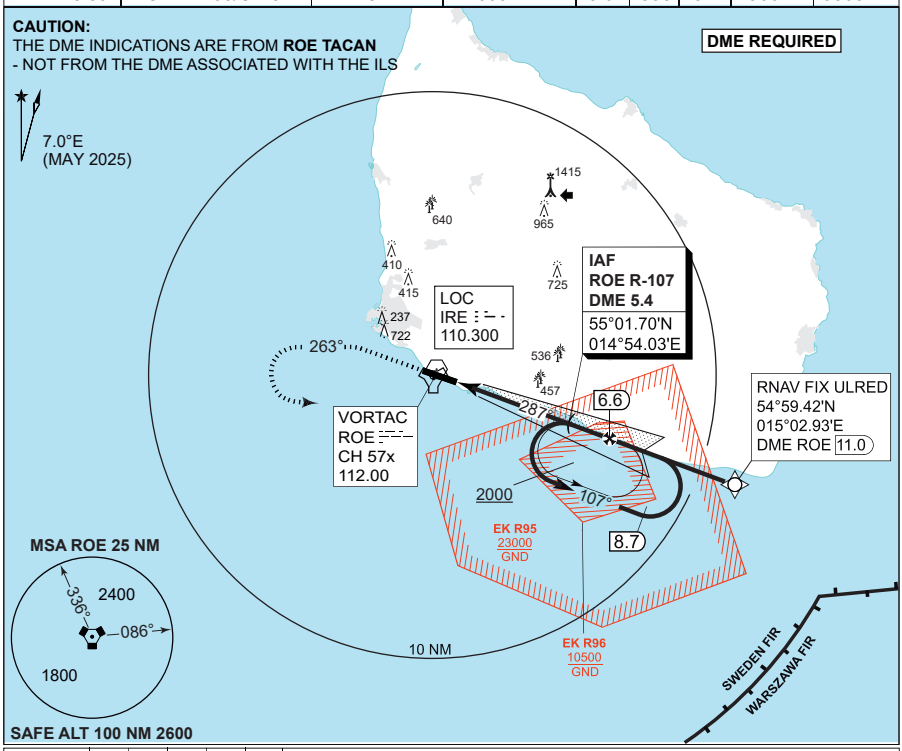
MIPS
INSTRUMENT APPROACH CHART

AD ELEV 52

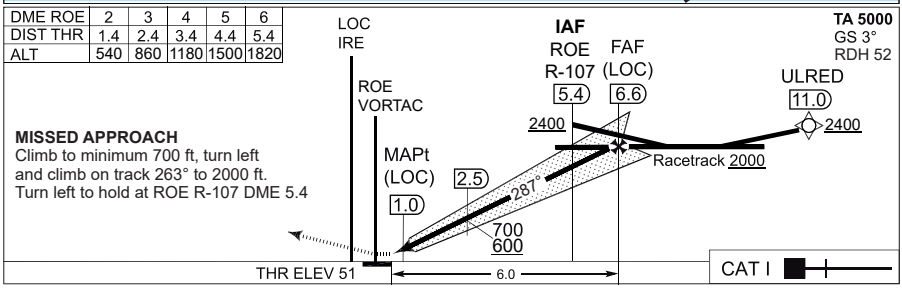
COPTER ILS or LOC X RWY 29
ROENNE (EKRN)

SWEDEN CONTROL	ROENNE TOWER
134.980 128.180	257.800 118.330

LOC	VORTAC	APP COURSE	GS INTCP ALT	GS	DA	THR	ALS length	LDA
IRE 110.30	ROE 112.00/CH 57x	287°	2000 FT	3.0°	**338**	51	900 M	6568 FT



DME ROE	2	3	4	5	6
DIST THR	1.4	2.4	3.4	4.4	5.4
ALT	540	860	1180	1500	1820



MISSED APPROACH
Climb to minimum 700 ft, turn left and climb on track 263° to 2000 ft. Turn left to hold at ROE R-107 DME 5.4

	CATEGORY	H
MIPS	H-ILS 29	**338** - 400 287 (300-0.4/0.8)
	H-LOC 29	**430** - 400 378 (400-0.4/0.8)

CHANGES: MAX HLDG ALTITUDE WITHDRAWN.

AIR COMMAND DENMARK - MIL AIM 09 JUL 2026 - RDAF FLIP SUP.

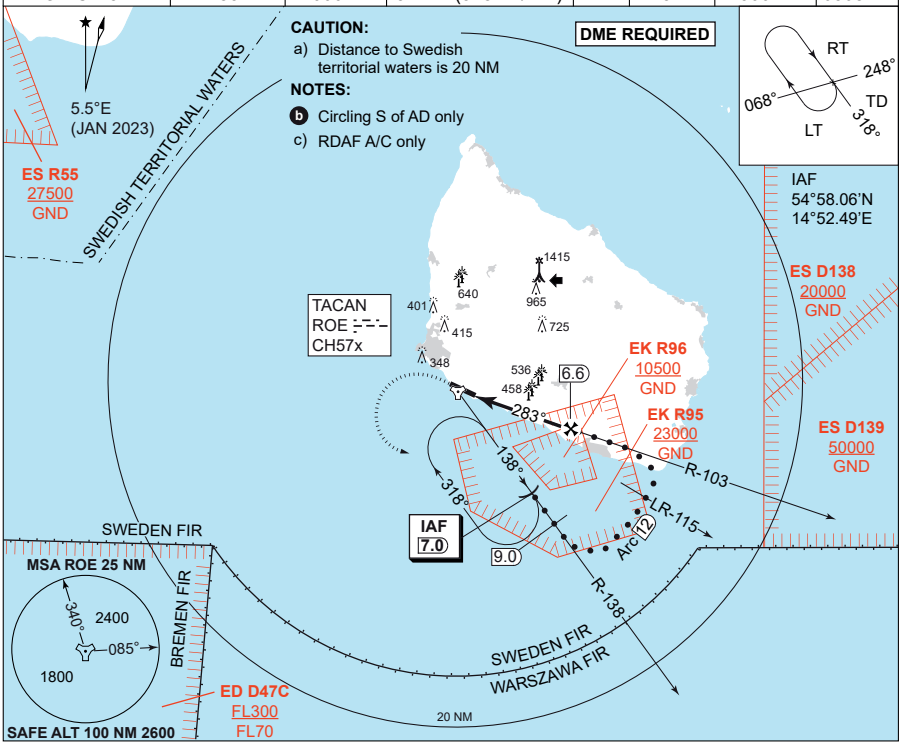
MIPS
INSTRUMENT APPROACH CHART

AD ELEV 52

HPMA TACAN Z RWY 29
ROENNE (EKRN)

SWEDEN CONTROL	ROENNE TOWER
134.980 128.180	257.800 118.330

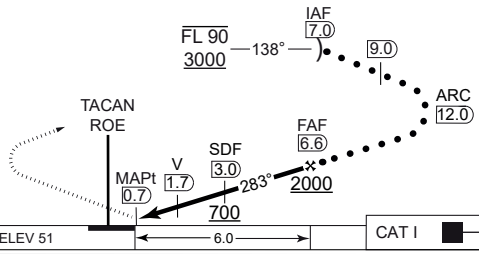
TACAN	APP COURSE	FAF ALT	DESCENT GR.	MDA	THR ELEV	ALS LENGTH	LDA
ROE CH 57x	283°	2000 FT	5.24% (318 FT/NM)	**460**	51	900 M	6568 FT



CDFA 3.00° / 5.24%					
DME ROE	2	3	4	5	6
DIST THR	1.4	2.4	3.4	4.4	5.4
ALT	540	860	1180	1500	1820

TA 5000

MISSED APPROACH
Climb on track 283 to 3000 ft.
When passing 700 ft
turn left inbound IAF
(ROE R-138 DME 7).



CATEGORY	HPMA
S-TACAN 29	**460** - 1200 408 (500-1.2/1.9)
CIRCLING	**650** - 3.2 598 (600-3.2)

CHANGES: PAGE NR.
MIPS

AIR COMMAND DENMARK - MIL AIM 10 JUL 2025 - RDAF FLIP SUP.

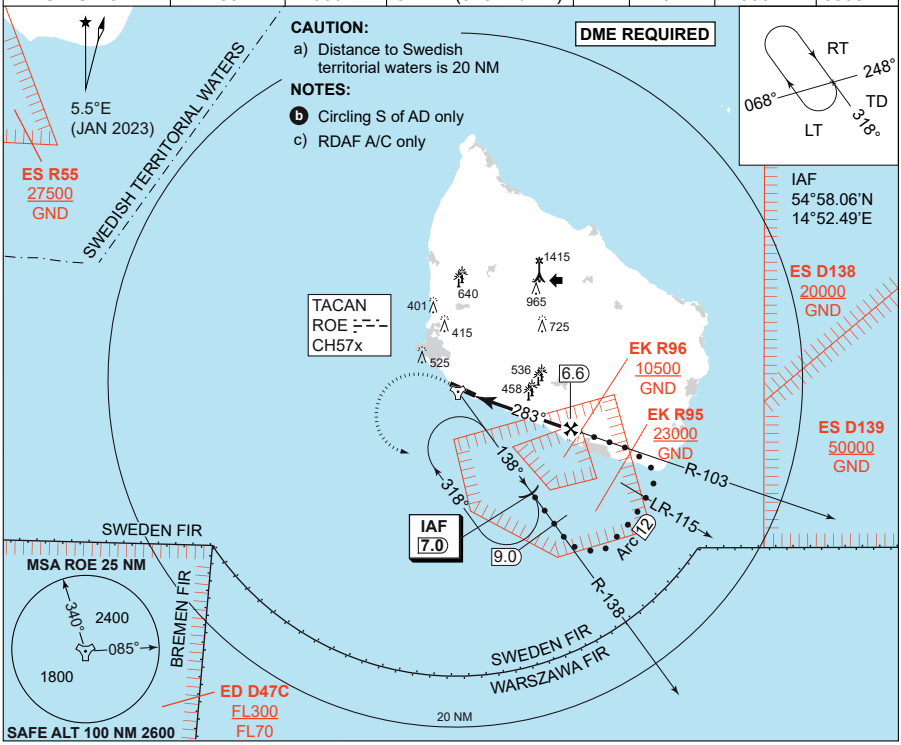
MIPS
INSTRUMENT APPROACH CHART

AD ELEV 52

HPMA TACAN Y RWY 29
ROENNE (EKRN)

SWEDEN CONTROL	ROENNE TOWER
134.980 128.180	257.800 118.330

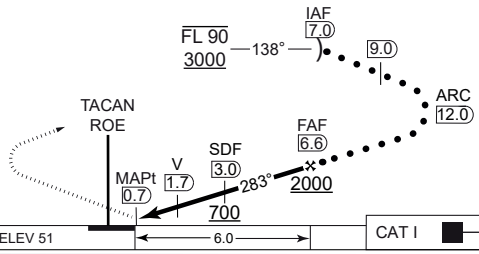
TACAN	APP COURSE	FAF ALT	DESCENT GR.	MDA	THR ELEV	ALS LENGTH	LDA
ROE CH 57x	283°	2000 FT	5.24% (318 FT/NM)	**460**	51	900 M	6568 FT



CDFA 3.00° / 5.24%					
DME ROE	2	3	4	5	6
DIST THR	1.4	2.4	3.4	4.4	5.4
ALT	540	860	1180	1500	1820

TA 5000

MISSED APPROACH
Climb on track 283 to 3000 ft.
When passing 700 ft
turn left inbound IAF
(ROE R-138 DME 7).



CATEGORY	HPMA
S-TACAN 29	**460** - 1200 408 (500-1.2/1.9)
CIRCLING	**830** - 3.2 778 (800-3.2)

CHANGES: PAGE NR.

AIR COMMAND DENMARK - MIL AIM 10 JUL 2025 - RDAF FLIP SUP.

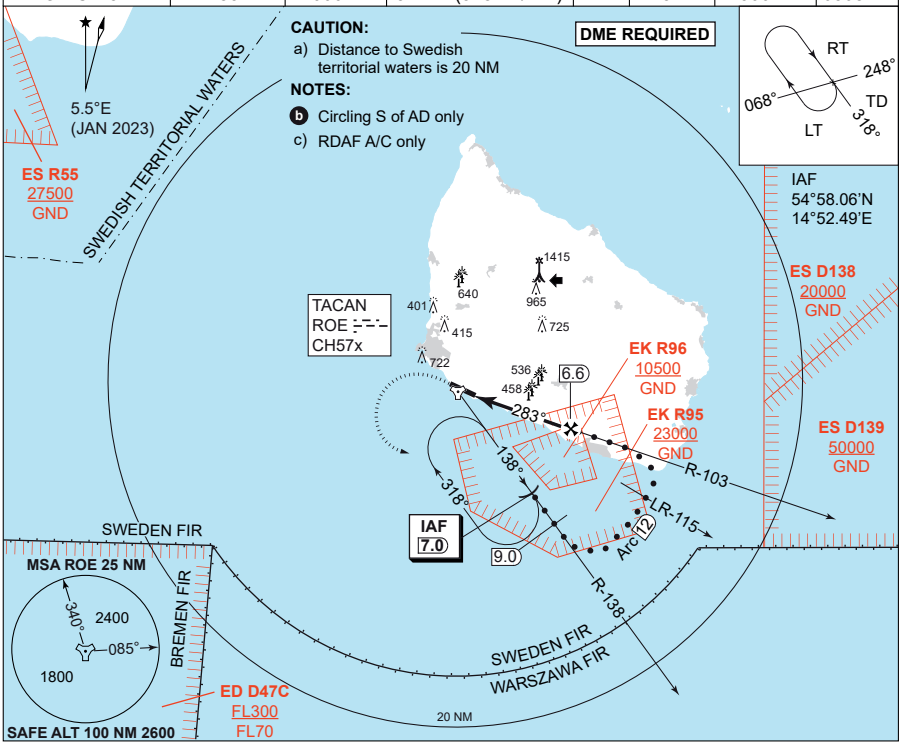
MIPS
INSTRUMENT APPROACH CHART

AD ELEV 52

HPMA TACAN X RWY 29
ROENNE (EKRN)

SWEDEN CONTROL	ROENNE TOWER
134.980 128.180	257.800 118.330

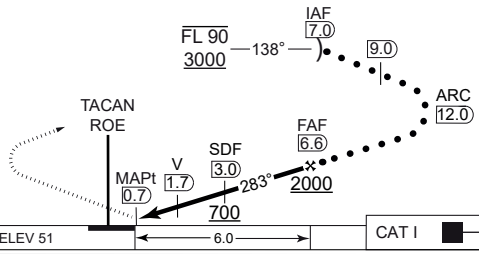
TACAN	APP COURSE	FAF ALT	DESCENT GR.	MDA	THR ELEV	ALS LENGTH	LDA
ROE CH 57x	283°	2000 FT	5.24% (318 FT/NM)	**460**	51	900 M	6568 FT



CDFA 3.00° / 5.24%					
DME ROE	2	3	4	5	6
DIST THR	1.4	2.4	3.4	4.4	5.4
ALT	540	860	1180	1500	1820

TA 5000

MISSED APPROACH
Climb on track 283 to 3000 ft.
When passing 700 ft
turn left inbound IAF
(ROE R-138 DME 7).



CHANGES: CIRCLING MINIMA.

	CATEGORY	HPMA
MIPS	S-TACAN 29	**460** - 1200 408 (500-1.2/1.9)
MIPS	CIRCLING	**1030** - 3.2 978 (1000-3.2)

AIR COMMAND DENMARK - MIL AIM 22 JAN 2026 - RDAF FLIP SUP.

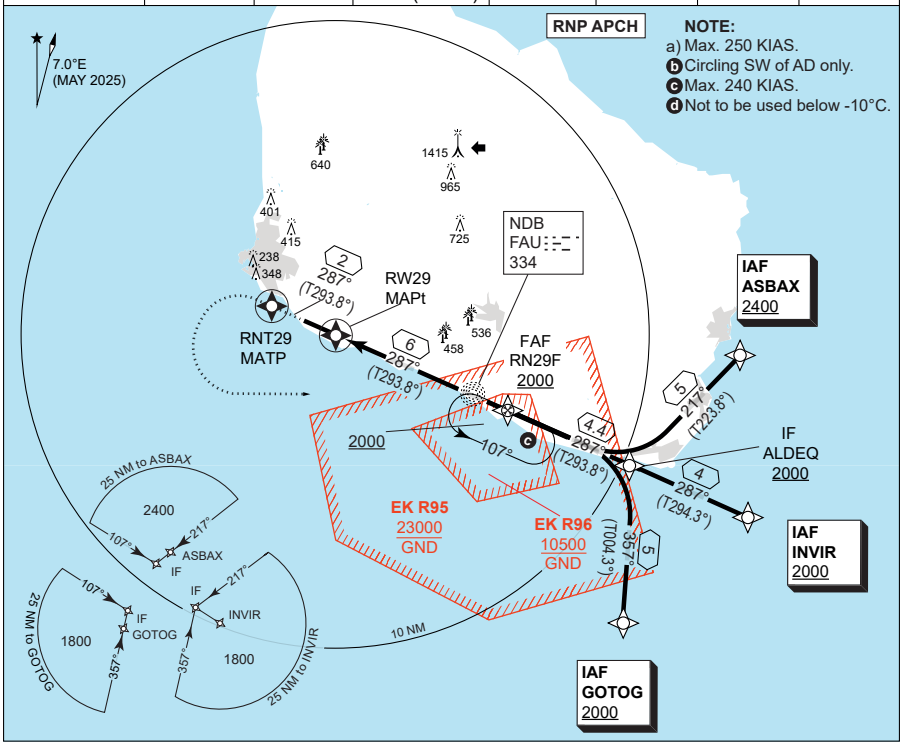
MIPS
INSTRUMENT APPROACH CHART

AD ELEV 52

RNP Z RWY 29
ROENNE (EKRN)

SWEDEN CONTROL	ROENNE TOWER
134.980 128.180	257.800 118.330

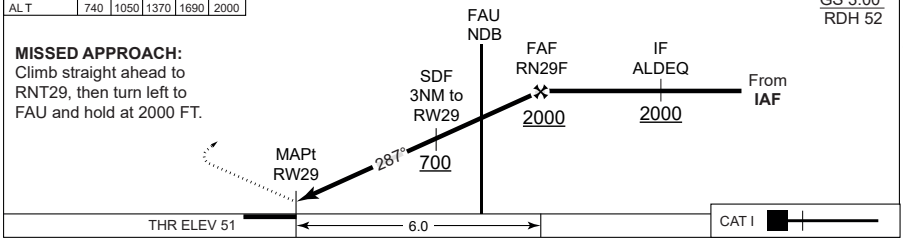
EGNOS CHANNEL	APP COURSE	FAF ALT	Descent GR	DA	THR ELEV	ALS length	LDA
92778 / E29A	287	2000 FT	3.00° (5.24%)	**See CAT**	51	900	6568 FT



CDFA: 3.00° / 5.24%					
DIST THR	2	3	4	5	6
AL T	740	1050	1370	1690	2000

TA 5000
GS 3.00°
RDH 52

MISSED APPROACH:
Climb straight ahead to RNT29, then turn left to FAU and hold at 2000 FT.



CATEGORY	A	B	C	D	E
MIPS S-LPV	**301** - 600 250 (300-0.8/1.3)	**302** - 600 251 (300-0.8/1.3)	**312** - 600 261 (300-0.8/1.3)	**324** - 600 273 (300-0.8/1.3)	
MIPS S-LNAV/VNAV d	**330** - 600 279 (300-0.8/1.3)	**340** - 650 289 (300-0.8/1.4)	**360** - 700 309 (400-0.8/1.4)	**390** - 800 339 (400-0.8/1.5)	
MIPS S-LNAV	**470** - 1200 418 (500-1.2/1.9)				
MIPS CIRCLING b	**470** - 1.5 418 (500-1.5)	**650** - 1.6 598 (600-1.6)	**730** - 2.4 678 (700-2.4)	**750** - 3.6 698 (700-3.6)	**840** - 3.6 788 (800-3.6)

CHANGES: MAX HLDG ALTITUDE WITHDRAWN.

AIR COMMAND DENMARK - MIL AIM 09 JUL 2026 - RDAF FLIP SUP.

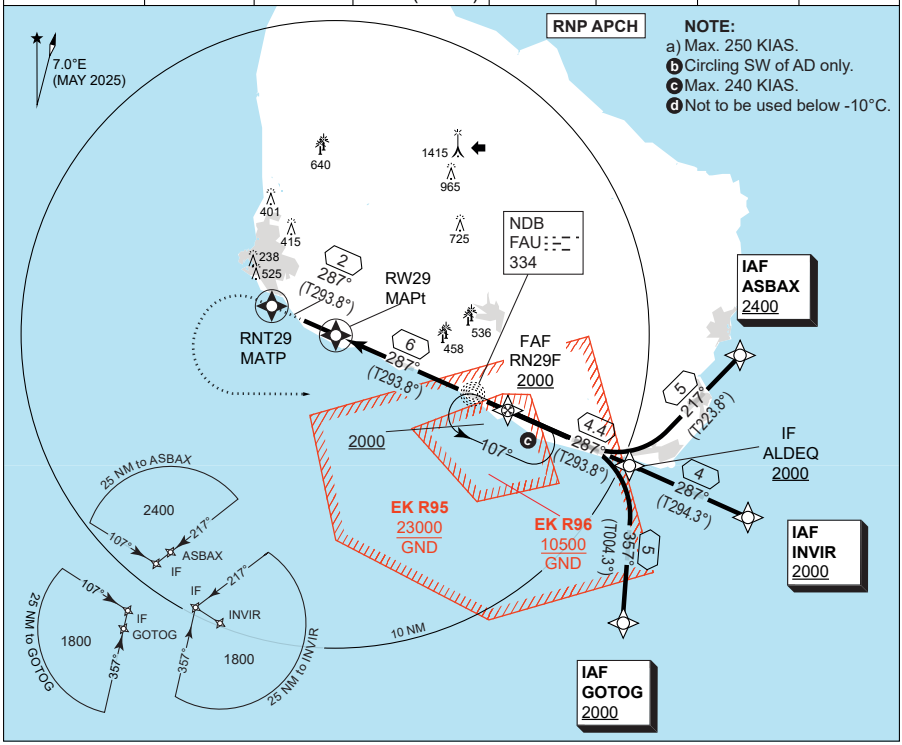
MIPS
INSTRUMENT APPROACH CHART

AD ELEV 52

RNP Y RWY 29
ROENNE (EKRN)

SWEDEN CONTROL	ROENNE TOWER
134.980 128.180	257.800 118.330

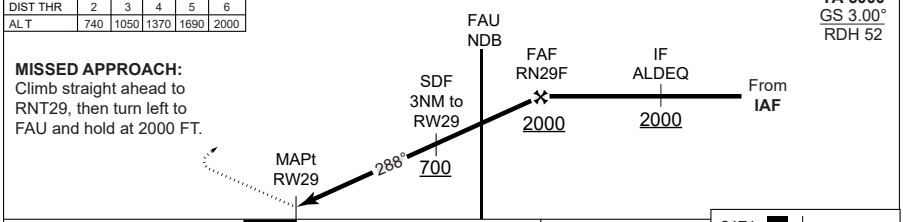
EGNOS CHANNEL	APP COURSE	FAF ALT	Descent GR	DA	THR ELEV	ALS length	LDA
84087 / E29B	287	2000 FT	3.00° (5.24%)	**See CAT**	51	900	6568 FT



CDFA: 3.00° / 5.24%					
DIST THR	2	3	4	5	6
AL T	740	1050	1370	1690	2000

TA 5000
GS 3.00°
RDH 52

MISSED APPROACH:
Climb straight ahead to RNT29, then turn left to FAU and hold at 2000 FT.



	CATEGORY	A	B	C	D	E
MIPS	LPV MACG 2.5%	**390** - 800 339 (400-0.8/1.5)	**400** - 900 349 (400-0.9/1.6)	**410** - 900 359 (400-0.9/1.6)	**420** - 1000 369 (400-1.0/1.7)	**426** - 1000 375 (400-1.0/1.7)
MIPS	LPV MACG 3.4%	**301** - 600 250 (300-0.8/1.3)	**302** - 600 251 (300-0.8/1.3)	**312** - 600 261 (300-0.8/1.3)	**324** - 600 273 (300-0.8/1.3)	**337** - 650 286 (300-0.8/1.4)
MIPS	LNAV/VNAV d	**350** - 650 299 (300-0.8/1.4)	**360** - 700 309 (400-0.8/1.4)	**380** - 800 329 (400-0.8/1.5)	**400** - 900 349 (400-0.9/1.6)	**440** - 1100 389 (400-1.1/1.8)
MIPS	LNAV	**470** - 1200 418 (500-1.2/1.9)				
MIPS	CIRCLING b	**780** - 1.5 728 (800-1.5)	**830** - 1.6 778 (800-1.6)	**920** - 2.4 868 (900-2.4)	**920** - 3.6 868 (900-3.6)	**1020** - 3.6 968 (1000-3.6)

CHANGES: MAX HLDG ALTITUDE WITHDRAWN.

AIR COMMAND DENMARK - MIL AIM 09 JUL 2026 - RDAF FLIP SUP.

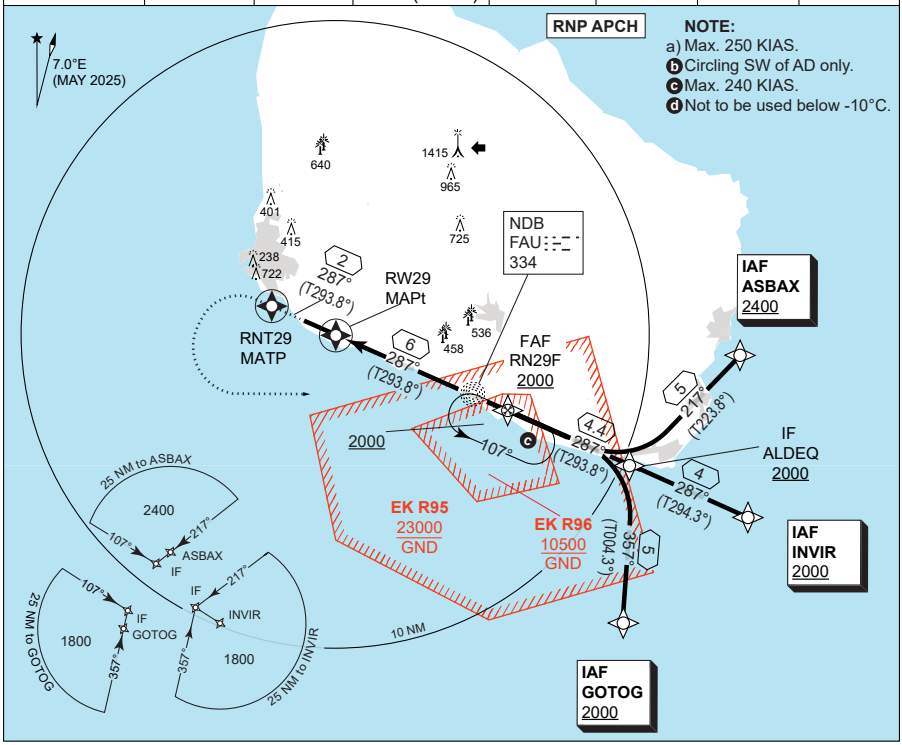
MIPS
INSTRUMENT APPROACH CHART

AD ELEV 52

RNP X RWY 29
ROENNE (EKRN)

SWEDEN CONTROL	ROENNE TOWER
134.980 128.180	257.800 118.330

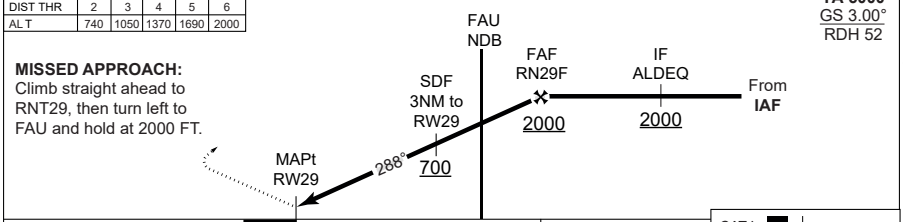
EGNOS CHANNEL	APP COURSE	FAF ALT	Descent GR	DA	THR ELEV	ALS length	LDA
49425 / E29D	287	2000 FT	3.00° (5.24%)	**See CAT**	51	900	6568 FT



CDFA: 3.00° / 5.24%					
DIST THR	2	3	4	5	6
AL T	740	1050	1370	1690	2000

TA 5000
GS 3.00°
RDH 52

MISSED APPROACH:
Climb straight ahead to RNT29, then turn left to FAU and hold at 2000 FT.



CATEGORY	A	B	C	D	E
LPV MACG 2.5%	**520** - 1500 469 (500-1.5/2.2)	**530** - 1500 479 (500-1.5/2.2)	**540** - 1500 489 (500-1.5/2.3)	**550** - 1500 499 (500-1.5/2.3)	**570** - 1600 519 (600-1.6/2.4)
LPV MACG 4.6%	**301** - 600 250 (300-0.8/1.3)	**302** - 600 251 (300-0.8/1.3)	**312** - 600 261 (300-0.8/1.3)	**324** - 600 273 (300-0.8/1.3)	**340** - 650 289 (300-0.8/1.4)
LNAV/VNAV d	**480** - 1300 429 (500-1.3/2.0)	**490** - 1300 439 (500-1.3/2.0)	**510** - 1400 459 (500-1.4/2.1)	**540** - 1500 489 (500-1.5/2.3)	**573** - 1700 522 (400-1.7/2.4)
LNAV	**600** - 1800 548 (600-1.8/2.5)				
CIRCLING b	**860** - 1.5 808 (900-1.5)	**1020** 1.6 968(1000-1.6)	**1120** 2.4 1068 (1100-2.4)	**1120** 3.6 1068 (1100-3.6)	**1220** 3.6 1168 (1200-3.6)

MIPS

CHANGES: MAX HLDG ALTITUDE WITHDRAWN.

AIR COMMAND DENMARK - MIL AIM 09 JUL 2026 - RDAF FLIP SUP.

EKRN RNP RWY 29 waypoint coordinates:

RWY 29 from GOTOG (Initial LEFT) APPROACH RNP

		CODING		DISPLAY	
GOTOG	IAF	54 54 24.69N	015 02 19.26E	54 54.412N	015 02.321E
ALDEQ	IF	54 59 23.86N	015 02 58.40E	54 59.398N	015 02.973E
RN29F	FAF	55 01 09.98N	014 55 58.76E	55 01.166N	014 55.979E
RW29	MAPt	55 03 34.73N	014 46 26.05E	55 03.579N	014 46.434E
RNT29	MATP	55 04 24.04N	014 43 11.23E	55 04.401N	014 43.187E
FAU	MAHF	55 01 41.49N	014 54 01.79E	55 01.692N	014 54.030E

RWY 29 from INVIR (Initial STRAIGHT) APPROACH RNP

		CODING		DISPLAY	
INVIR	IAF	54 57 46.11N	015 09 15.45E	54 57.769N	015 09.258E
ALDEQ	IF	54 59 23.86N	015 02 58.40E	54 59.398N	015 02.973E
RN29F	FAF	55 01 09.98N	014 55 58.76E	55 01.166N	014 55.979E
RW29	MAPt	55 03 34.73N	014 46 26.05E	55 03.579N	014 46.434E
RNT29	MATP	55 04 24.04N	014 43 11.23E	55 04.401N	014 43.187E
FAU	MAHF	55 01 41.49N	014 54 01.79E	55 01.692N	014 54.030E

RWY 29 from ASBAX (Initial RIGHT) APPROACH RNP

		CODING		DISPLAY	
ASBAX	IAF	55 02 58.91N	015 08 57.25E	55 02.982N	015 08.058E
ALDEQ	IF	54 59 23.86N	015 02 58.40E	54 59.398N	015 02.973E
RN29F	FAF	55 01 09.98N	014 55 58.76E	55 01.166N	014 55.979E
RW29	MAPt	55 03 34.73N	014 46 26.05E	55 03.579N	014 46.434E
RNT29	MATP	55 04 24.04N	014 43 11.23E	55 04.401N	014 43.187E
FAU	MAHF	55 01 41.49N	014 54 01.79E	55 01.692N	014 54.030E

Threshold coordinates RWY 29

	CODING		DISPLAY	
RWY 29	55 03 34.73N	014 46 26.05E	55 03.579N	014 46.434E

CHANGES: NEW CHART.

AIR COMMAND DENMARK - MIL AIM 10 JUL 2025