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AIP AIRAC SUP
37/2025
EFF 07 AUG 2025

Publication date: 18 JUN 2025

ENVA - Nye RNP AR-prosedyrer for Trondheim lufthavn, Værnes

Erstatter AIP AIRAC SUP 28/2025 som ble feilaktig fjernet

Vedlagt denne AIP AIRAC SUP finnes RNP AR-prosedyrer til RWY 09 og RWY 27 ved Trondheim lufthavn, Værnes.

De vedlagte prosedyrene publiseres kun for kontrollflygings- og godkjenningøyemed og vil i utgangspunktet ikke være tilgjengelig for vanlige operasjoner. Frem til prosedyrene er godkjente av Luftfartstilsynet er prosedyrene suspenderte.

Operatører bes om å ikke anmode lufttrafikkjenesten om å fly RNP AR-prosedyrer.

Informasjon om VSS-penetrering kan finnes i ENVA AD 2.25 Visual segment surface (VSS) penetration.

Vedlagt er følgende prosedyrer komplett med kart, anbefalt koding og liste med signifikante punkter:

1. RNP N RWY 09 (AR)
2. RNP S RWY 09 (AR)
3. RNP W RWY 09 (AR)
4. RNP N RWY 27 (AR)
5. RNP S RWY 27 (AR)
6. RNP W RWY 27 (AR)

- Vedlegg -

ENVA - New RNP AR procedures for Trondheim airport, Varnes

Replaces AIP AIRAC SUP 28/2025 which was mistakenly removed

Attached to this AIP AIRAC SUP are RNP AR procedures for RWY 09 and RWY 27 at Trondheim airport, Varnes.

The attached procedures are intended solely for flight validation purposes. The procedures have not yet been approved by the Norwegian Civil Aviation Authority and are suspended from normal operational use.

Operators are asked not to request these procedures from Air Traffic Services.

Information about VSS penetration can be found in ENVA AD 2.25 Visual segment surface (VSS) penetration.

Attached are the following procedures complete with chart, recommended coding and significant points pages:

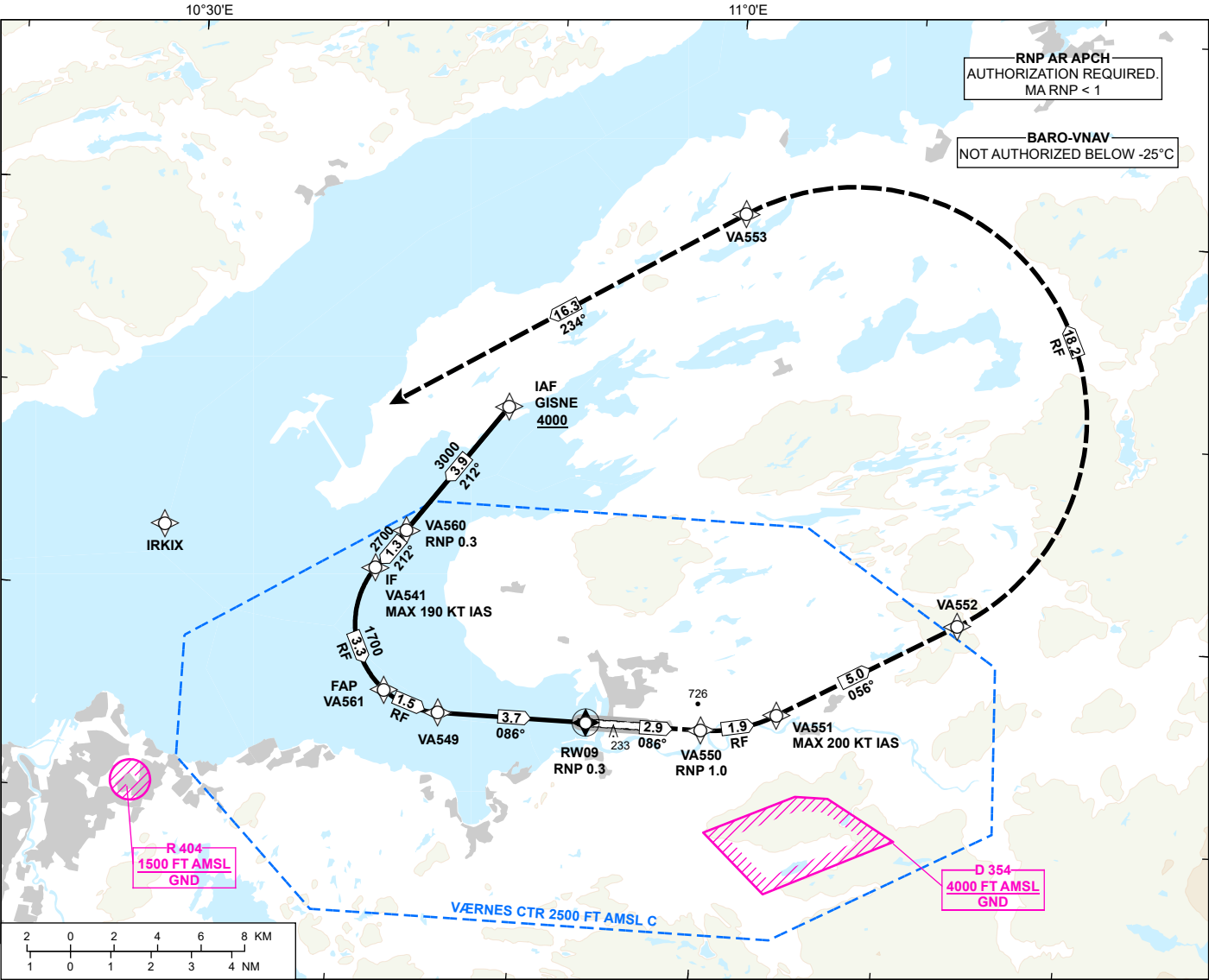
1. RNP N RWY 09 (AR)
2. RNP S RWY 09 (AR)
3. RNP W RWY 09 (AR)
4. RNP N RWY 27 (AR)
5. RNP S RWY 27 (AR)
6. RNP W RWY 27 (AR)

- Attachment -

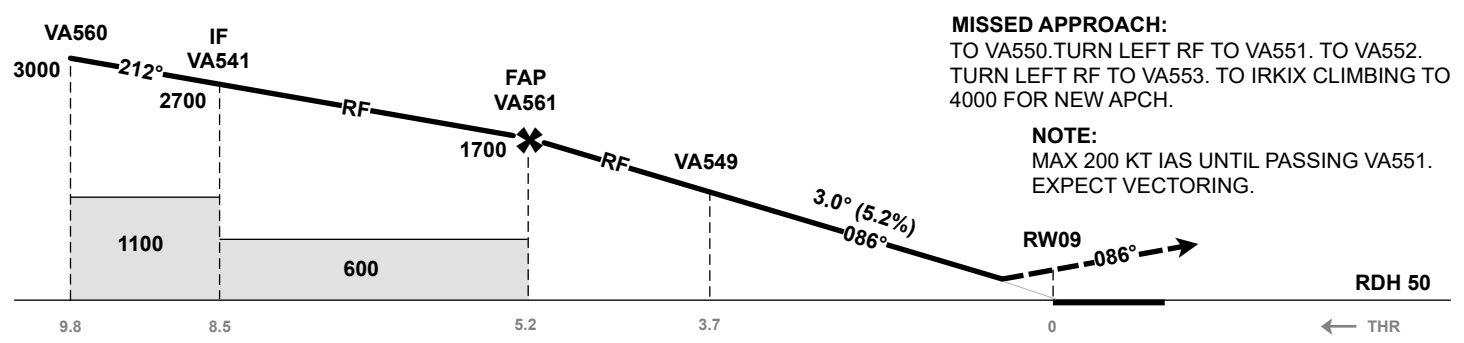
ATS AIRSPACE CLASSIFICATION: REF ENR 1.4

INSTRUMENT APPROACH CHART - ICAO

5₈ MSA 25 NM ARP	ATIS: 127.555	AD ELEV: 64	TRONDHEIM VÆRNES RNP N RWY 09 (AR) TRANSITION ALTITUDE 7000
	APP: 118.605 119.155	THR ELEV: 17	
	TWR: 119.405 133.755	HGT RELATED TO THR 09	
		CIRCLING HGT RELATED TO AD ELEV	
		DIST IN NM. ELEV, ALT AND HGT IN FT	
	SCALE 1:300 000	VAR 4°E (2020)	



DIST TO RWY09	9	8	7	6	5	4	3	2
ALT (HGT)	-	-	-	-	-	-	-	-



CAT OF ACFT		A	B	C	D
OCA (H) STRAIGHT- IN	RNP 0.3 (3.1%*)	423 (406)	444 (427)	466 (449)	485 (468)
	RNP 0.3 (4.0%*)	336 (319)	359 (342)	383 (366)	403 (386)
	RNP 0.3 (5.0%*)	282 (265)	307 (290)	332 (315)	354 (337)
	-	-	-	-	-
CIRCLING	-	-	-	-	-

NOTE: *MNM MISSED APCH CLIMB GRADIENT.

CHANGES: COMPLETE REVISION.

ENVA RNP N RWY 09 (AR) - RECOMMENDED CODING

SN	PD	WI	Fly-over	°M (°T)	MAG VAR	DIST (NM)	REC NAVAID	TD	ALT (FT)	Speed (KT)	VPA (°)/TCH (FT)	ARC CENTRE RADIUS (NM)	RNP (NM)
10	IF	GISNE	-	-	-4.0	-	-	-	A4000+	-	-	-	1.0
20	TF	VA560	-	-	-4.0	3.9	-	-	A3000+	-	-	-	1.0
30	TF	VA541	-	-	-4.0	1.3	-	-	A2700+	K190-	-	-	0.3
40	RF	VA561	-	-	-4.0	3.3	-	L	A1700+	-	-	VA001 2.200	0.3
50	RF	VA549	-	-	-4.0	1.5	-	L	-	-	-3.0	VA001 2.200	0.3
60	TF	RW09	Y	-	-4.0	3.7	-	-	-	-	-3.0/50	-	0.3
70	TF	VA550	-	-	-4.0	2.9	-	-	-	-	-	-	0.3
80	RF	VA551	-	-	-4.0	1.9	-	L	-	K200-	-	VA002 3.700	1.0
90	TF	VA552	-	-	-4.0	5.0	-	-	-	-	-	-	1.0
100	RF	VA553	-	-	-4.0	18.2	-	L	-	-	-	VA005 5.748	1.0
110	TF	IRKIX	-	-	-4.0	16.3	-	-	A4000+	-	-	-	1.0

Note: Recommended coding is based on ARINC 424 and is provided solely to indicate which procedure design protection areas were used in the Instrument Flight Procedure Design process.

Note: Published OCA(H) values are obstacle clearance values. Decision heights (DH) below 250 FT shall not be used due to approach operation Type A limitations.

ENVA RNP N RWY 09 (AR) - SIGNIFICANT POINTS

Name	Latitude	Longitude
GISNE	633508.27N	0104808.42E
IRKIX	633141.37N	0102931.78E
VA001	632939.70N	0104518.36E
VA002	633108.08N	0105953.87E
VA005	633522.49N	0110720.69E
VA541	633056.90N	0104119.81E
VA549	632728.12N	0104517.85E
VA550	632726.78N	0105951.40E
VA551	632755.82N	0110359.11E
VA552	633023.47N	0111340.90E
VA553	634015.66N	0110037.07E
VA560	633159.88N	0104301.95E
VA561	632755.91N	0104217.48E

INSTRUMENT APPROACH CHART - ICAO

5₈

MSA 25 NM ARP

ATIS: 127.555

APP: 118.605 119.155

TWR: 119.405 133.755

AD ELEV: 64

THR ELEV: 17

HGT RELATED TO THR 09

CIRCLING HGT RELATED TO AD ELEV

DIST IN NM. ELEV, ALT AND HGT IN FT

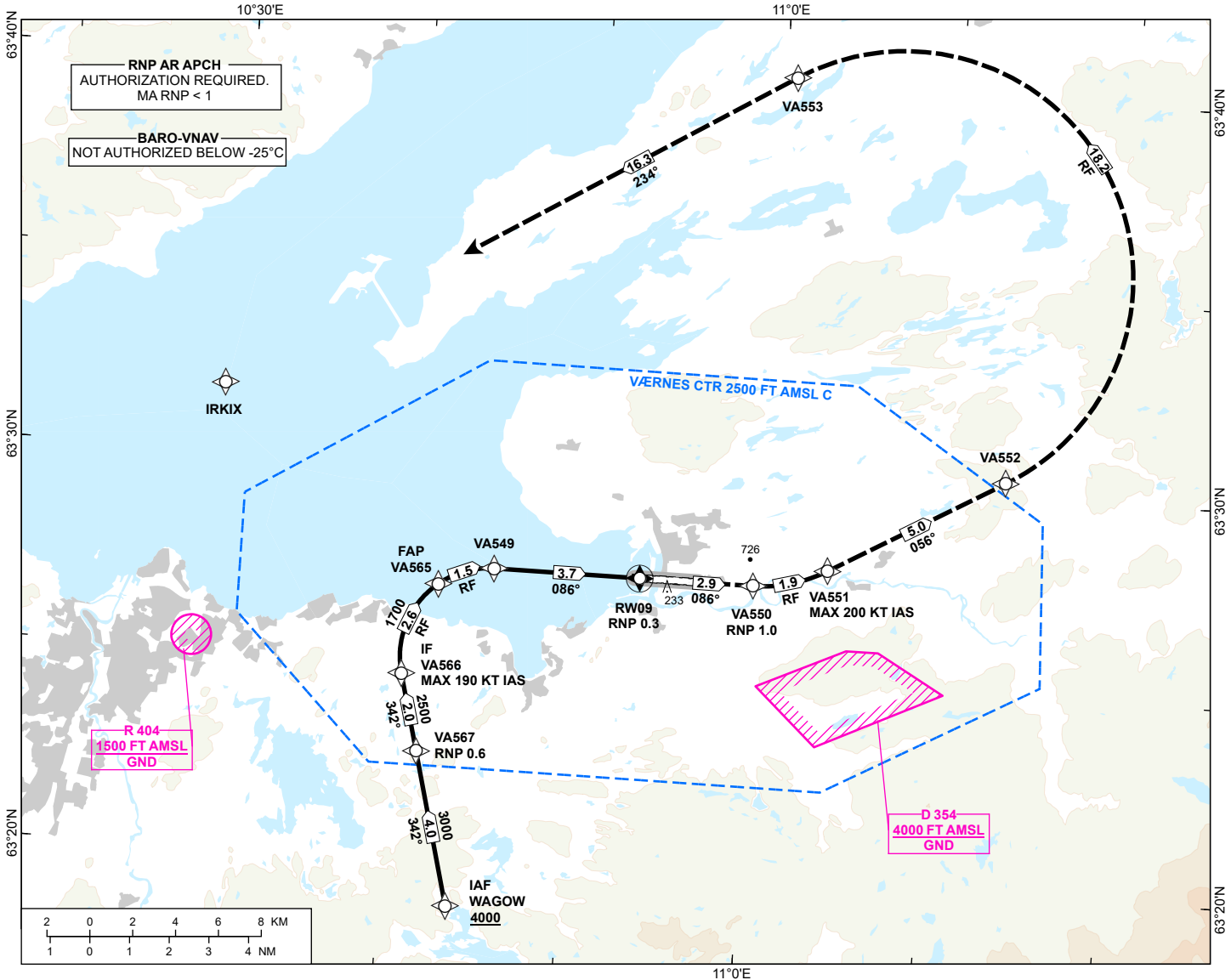
SCALE 1:300 000

VAR 4°E (2020)

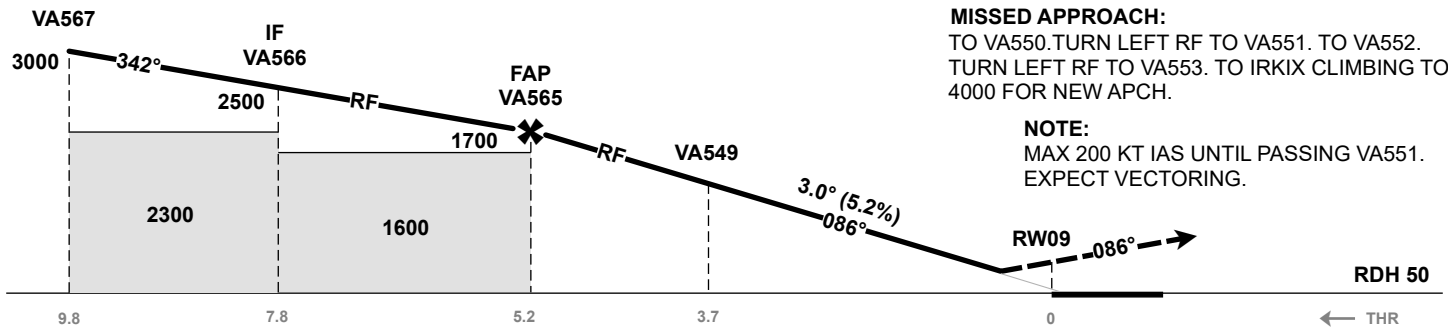
TRONDHEIM
VÆRNES

RNP S RWY 09 (AR)

TRANSITION ALTITUDE
7000



DIST TO RW09	9	8	7	6	5	4	3	2
ALT (HGT)	-	-	-	-	-	-	-	-



MISSED APPROACH:
TO VA550. TURN LEFT RF TO VA551. TO VA552. TURN LEFT RF TO VA553. TO IRKIX CLIMBING TO 4000 FOR NEW APCH.

NOTE:
MAX 200 KT IAS UNTIL PASSING VA551. EXPECT VECTORING.

CAT OF ACFT		A	B	C	D
OCA (H) STRAIGHT- IN	RNP 0.3 (3.1%*)	423 (406)	444 (427)	466 (449)	485 (468)
	RNP 0.3 (4.0%*)	336 (319)	359 (342)	383 (366)	403 (386)
	RNP 0.3 (5.0%*)	282 (265)	307 (290)	332 (315)	354 (337)
	-	-	-	-	-
CIRCLING		-	-	-	-

NOTE: *MNM MISSED APCH CLIMB GRADIENT.

CHANGES: COMPLETE REVISION.

ENVA RNP S RWY 09 (AR) - RECOMMENDED CODING

SN	PD	WI	Fly-over	°M (°T)	MAG VAR	DIST (NM)	REC NAVAID	TD	ALT (FT)	Speed (KT)	VPA (°)/TCH (FT)	ARC CENTRE RADIUS (NM)	RNP (NM)
10	IF	WAGOW	-	-	-4.0	-	-	-	A4000+	-	-	-	1.0
20	TF	VA567	-	-	-4.0	4.0	-	-	A3000+	-	-	-	1.0
30	TF	VA566	-	-	-4.0	2.0	-	-	A2500+	K190-	-	-	0.6
40	RF	VA565	-	-	-4.0	2.6	-	R	A1700+	-	-	VA004 2.227	0.6
50	RF	VA549	-	-	-4.0	1.5	-	R	-	-	-3.0	VA004 2.227	0.3
60	TF	RW09	Y	-	-4.0	3.7	-	-	-	-	-3.0/50	-	0.3
70	TF	VA550	-	-	-4.0	2.9	-	-	-	-	-	-	0.3
80	RF	VA551	-	-	-4.0	1.9	-	L	-	K200-	-	VA002 3.700	1.0
90	TF	VA552	-	-	-4.0	5.0	-	-	-	-	-	-	1.0
100	RF	VA553	-	-	-4.0	18.2	-	L	-	-	-	VA005 5.748	1.0
110	TF	IRKIX	-	-	-4.0	16.3	-	-	A4000+	-	-	-	1.0

Note: Recommended coding is based on ARINC 424 and is provided solely to indicate which procedure design protection areas were used in the Instrument Flight Procedure Design process.

Note: Published OCA(H) values are obstacle clearance values. Decision heights (DH) below 250 FT shall not be used due to approach operation Type A limitations.

ENVA RNP S RWY 09 (AR) - SIGNIFICANT POINTS

Name	Latitude	Longitude
IRKIX	633141.37N	0102931.78E
VA002	633108.08N	0105953.87E
VA004	632514.92N	0104517.29E
VA005	633522.49N	0110720.69E
VA549	632728.12N	0104517.85E
VA550	632726.78N	0105951.40E
VA551	632755.82N	0110359.11E
VA552	633023.47N	0111340.90E
VA553	634015.66N	0110037.07E
VA565	632700.87N	0104217.03E
VA566	632441.64N	0104029.46E
VA567	632245.83N	0104136.21E
WAGOW	631855.90N	0104348.28E

INSTRUMENT APPROACH CHART - ICAO

5₈

MSA 25 NM ARP

ATIS: 127.555

APP: 118.605 119.155

TWR: 119.405 133.755

AD ELEV: 64

THR ELEV: 17

HGT RELATED TO THR 09

CIRCLING HGT RELATED TO AD ELEV

DIST IN NM. ELEV, ALT AND HGT IN FT

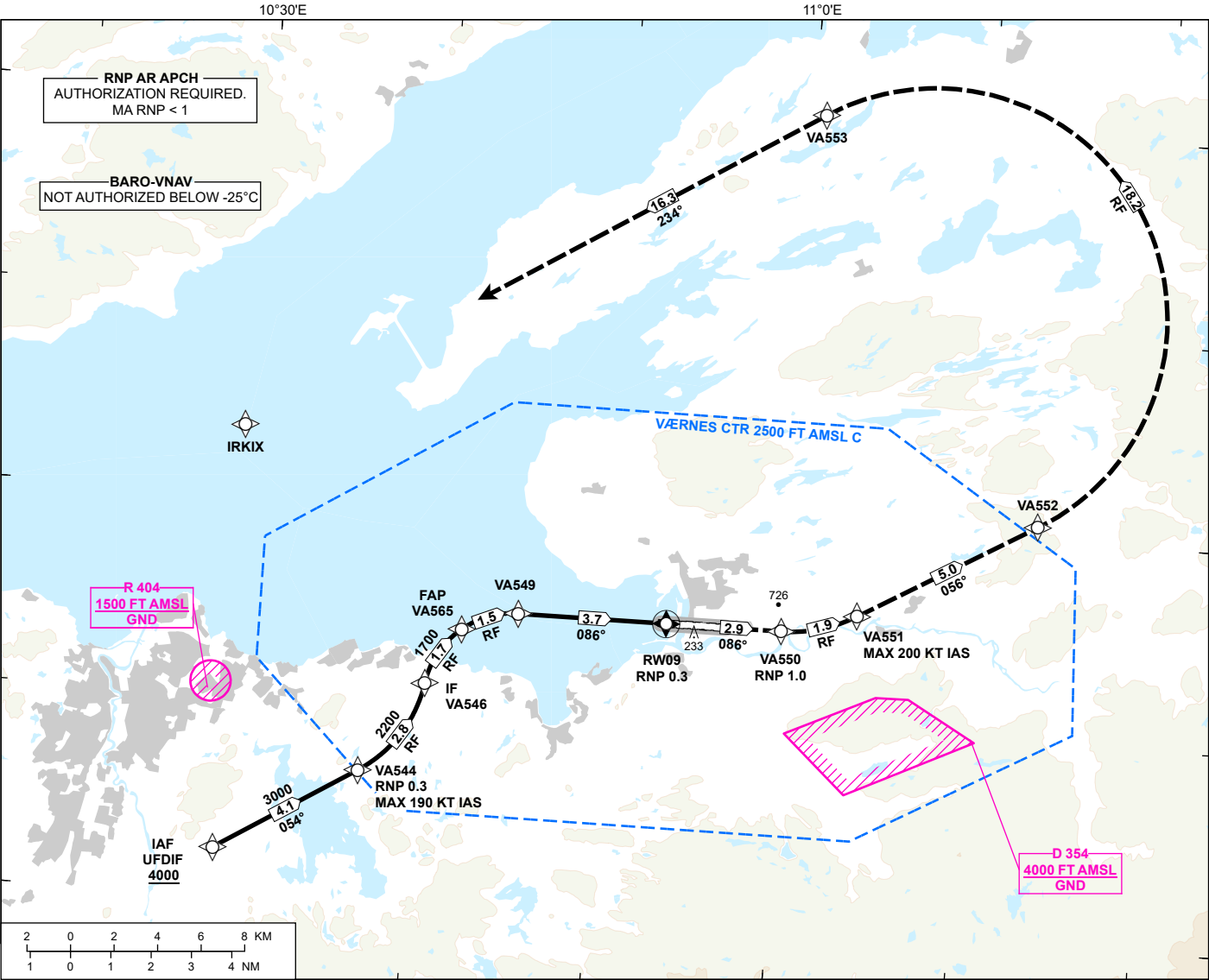
SCALE 1:300 000

VAR 4°E (2020)

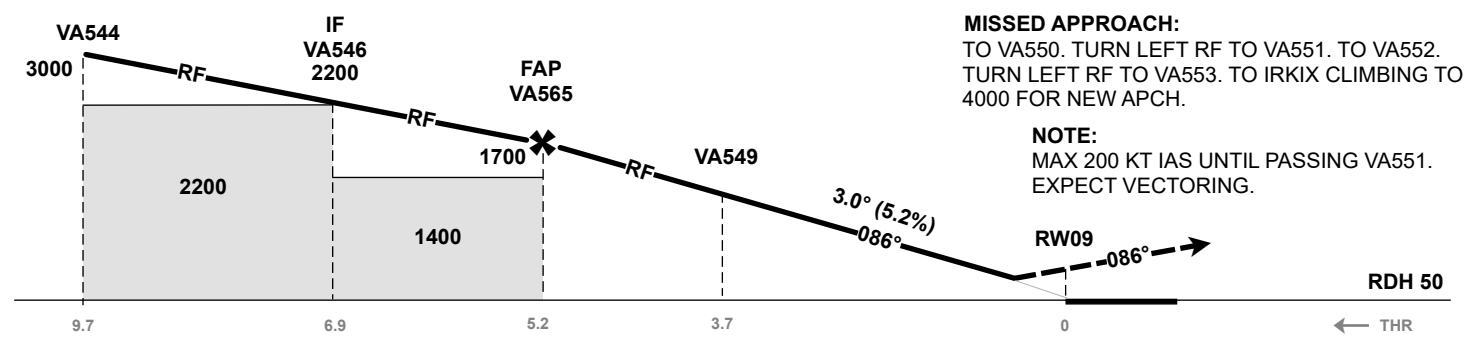
TRONDHEIM
VÆRNES

RNP W RWY 09 (AR)

TRANSITION ALTITUDE
7000



DIST TO RW09	9	8	7	6	5	4	3	2
ALT (HGT)	-	-	-	-	-	-	-	-



MISSED APPROACH:
TO VA550. TURN LEFT RF TO VA551. TO VA552.
TURN LEFT RF TO VA553. TO IRKIX CLIMBING TO
4000 FOR NEW APCH.

NOTE:
MAX 200 KT IAS UNTIL PASSING VA551.
EXPECT VECTORING.

CAT OF ACFT		A	B	C	D
OCA (H) STRAIGHT- IN	RNP 0.3 (3.1%*)	423 (406)	444 (427)	466 (449)	485 (468)
	RNP 0.3 (4.0%*)	336 (319)	359 (342)	383 (366)	403 (386)
	RNP 0.3 (5.0%*)	282 (265)	307 (290)	332 (315)	354 (337)
	-	-	-	-	-
CIRCLING	-	-	-	-	-

NOTE: *MNM MISSED APCH CLIMB GRADIENT.

CHANGES: COMPLETE REVISION.

ENVA RNP W RWY 09 (AR) - RECOMMENDED CODING

SN	PD	WI	Fly-over	°M (°T)	MAG VAR	DIST (NM)	REC NAVAID	TD	ALT (FT)	Speed (KT)	VPA (°)/TCH (FT)	ARC CENTRE RADIUS (NM)	RNP (NM)
10	IF	UFDIF	-	-	-4.0	-	-	-	A4000+	-	-	-	1.0
20	TF	VA544	-	-	-4.0	4.1	-	-	A3000+	K190-	-	-	1.0
30	RF	VA546	-	-	-4.0	2.8	-	L	A2200+	-	-	VA003 3.283	0.3
40	RF	VA565	-	-	-4.0	1.7	-	R	A1700+	-	-	VA004 2.227	0.3
50	RF	VA549	-	-	-4.0	1.5	-	R	-	-	-3.0	VA004 2.227	0.3
60	TF	RW09	Y	-	-4.0	3.7	-	-	-	-	-3.0/50	-	0.3
70	TF	VA550	-	-	-4.0	2.9	-	-	-	-	-	-	0.3
80	RF	VA551	-	-	-4.0	1.9	-	L	-	K200-	-	VA002 3.700	1.0
90	TF	VA552	-	-	-4.0	5.0	-	-	-	-	-	-	1.0
100	RF	VA553	-	-	-4.0	18.2	-	L	-	-	-	VA005 5.748	1.0
110	TF	IRKIX	-	-	-4.0	16.3	-	-	A4000+	-	-	-	1.0

Note: Recommended coding is based on ARINC 424 and is provided solely to indicate which procedure design protection areas were used in the Instrument Flight Procedure Design process.

Note: Published OCA(H) values are obstacle clearance values. Decision heights (DH) below 250 FT shall not be used due to approach operation Type A limitations.

ENVA RNP W RWY 09 (AR) - SIGNIFICANT POINTS

Name	Latitude	Longitude
IRKIX	633141.37N	0102931.78E
UFDIF	632112.38N	0102920.67E
VA002	633108.08N	0105953.87E
VA003	632607.78N	0103310.99E
VA004	632514.92N	0104517.29E
VA005	633522.49N	0110720.69E
VA544	632320.89N	0103701.90E
VA546	632536.32N	0104023.78E
VA549	632728.12N	0104517.85E
VA550	632726.78N	0105951.40E
VA551	632755.82N	0110359.11E
VA552	633023.47N	0111340.90E
VA553	634015.66N	0110037.07E
VA565	632700.87N	0104217.03E

INSTRUMENT APPROACH CHART - ICAO

5₈

MSA 25 NM ARP

ATIS: 127.555

APP: 118.605 119.155

TWR: 119.405 133.755

AD ELEV: 64

THR ELEV: 57

HGT RELATED TO THR 27

CIRCLING HGT RELATED TO AD ELEV

DIST IN NM. ELEV, ALT AND HGT IN FT

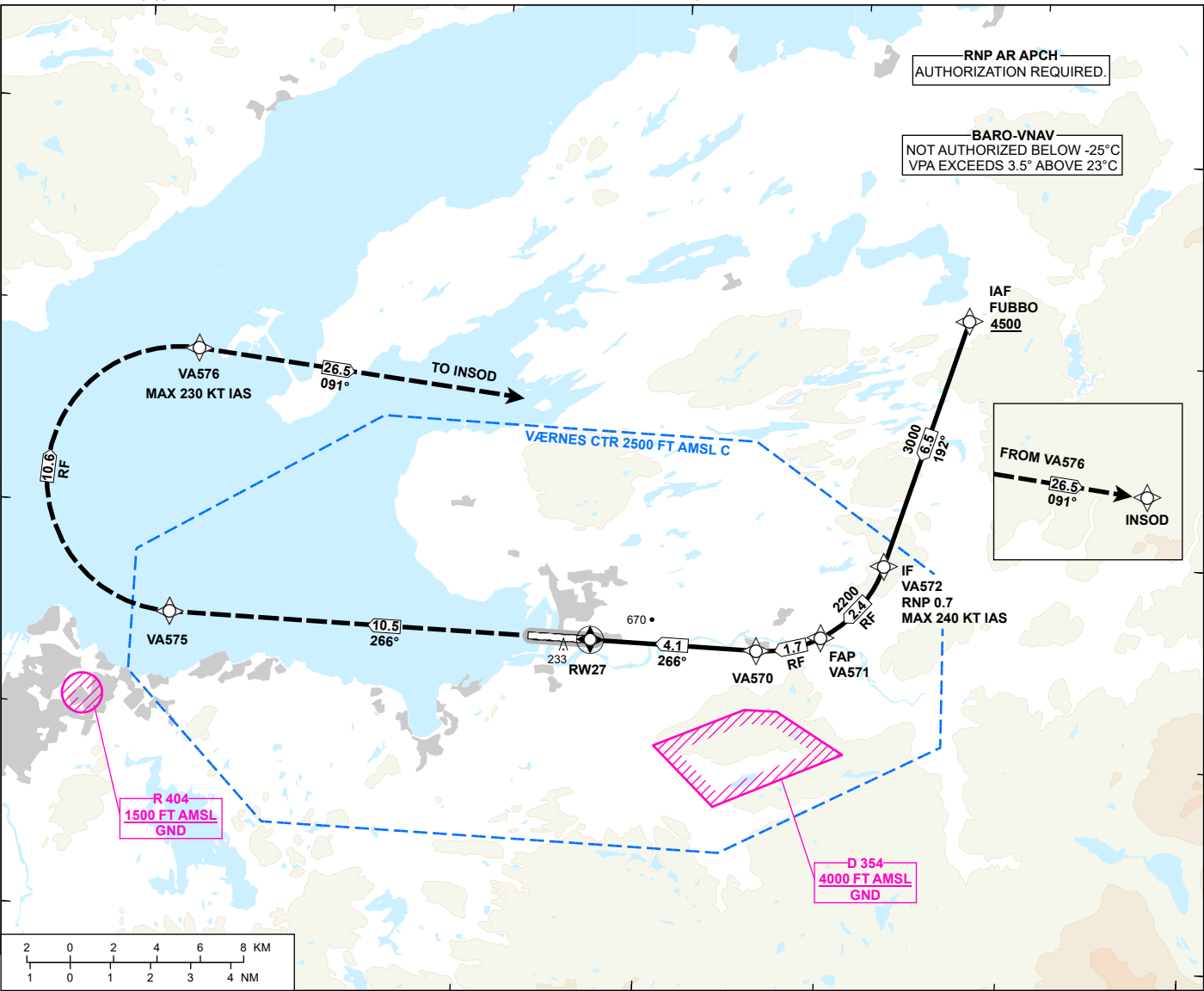
SCALE 1:300 000

VAR 4°E (2020)

TRONDHEIM
VÆRNES

RNP N RWY 27 (AR)

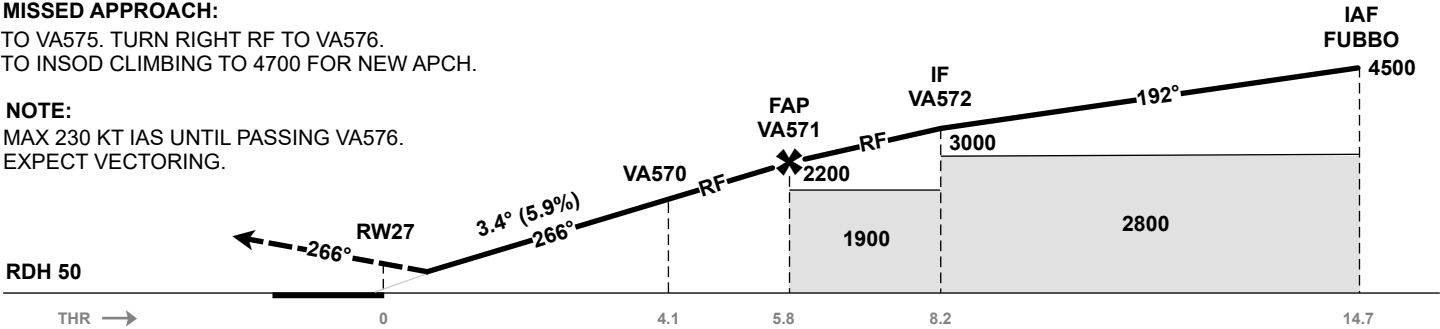
TRANSITION ALTITUDE
7000



DIST TO RW27	9	8	7	6	5	4	3	2
ALT (HGT)	-	-	-	-	-	-	-	-

MISSED APPROACH:
TO VA575. TURN RIGHT RF TO VA576.
TO INSOD CLIMBING TO 4700 FOR NEW APCH.

NOTE:
MAX 230 KT IAS UNTIL PASSING VA576.
EXPECT VECTORING.



CAT OF ACFT		A	B	C	D
OCA (H) STRAIGHT- IN	RNP 0.3	855 (798)	866 (809)	877 (820)	888 (831)
	RNP 0.2	714 (657)	725 (668)	736 (679)	747 (690)
	RNP 0.1	340 (283)	351 (294)	362 (305)	382 (325)
CIRCLING		-	-	-	-

NOTE:

ENVA RNP N RWY 27 (AR) - RECOMMENDED CODING

SN	PD	WI	Fly-over	°M (°T)	MAG VAR	DIST (NM)	REC NAVAID	TD	ALT (FT)	Speed (KT)	VPA (°)/TCH (FT)	ARC CENTRE RADIUS (NM)	RNP (NM)
10	IF	FUBBO	-	-	-4.0	-	-	-	A4500+	-	-	-	1.0
20	TF	VA572	-	-	-4.0	6.5	-	-	A3000+	K240-	-	-	1.0
30	RF	VA571	-	-	-4.0	2.4	-	R	A2200+	-	-	VA008 3.150	0.7
40	RF	VA570	-	-	-4.0	1.7	-	R	-	-	-3.4	VA008 3.150	0.3
50	TF	RW27	Y	-	-4.0	4.1	-	-	-	-	-3.4/50	-	0.3
60	TF	VA575	-	-	-4.0	10.5	-	-	-	-	-	-	1.0
70	RF	VA576	-	-	-4.0	10.6	-	R	-	K230-	-	VA010 3.300	1.0
80	TF	INSOD	-	-	-4.0	26.5	-	-	A4700+	-	-	-	1.0

Note: Recommended coding is based on ARINC 424 and is provided solely to indicate which procedure design protection areas were used in the Instrument Flight Procedure Design process.

Note: Published OCA(H) values are obstacle clearance values. Decision heights (DH) below 250 FT shall not be used due to approach operation Type A limitations.

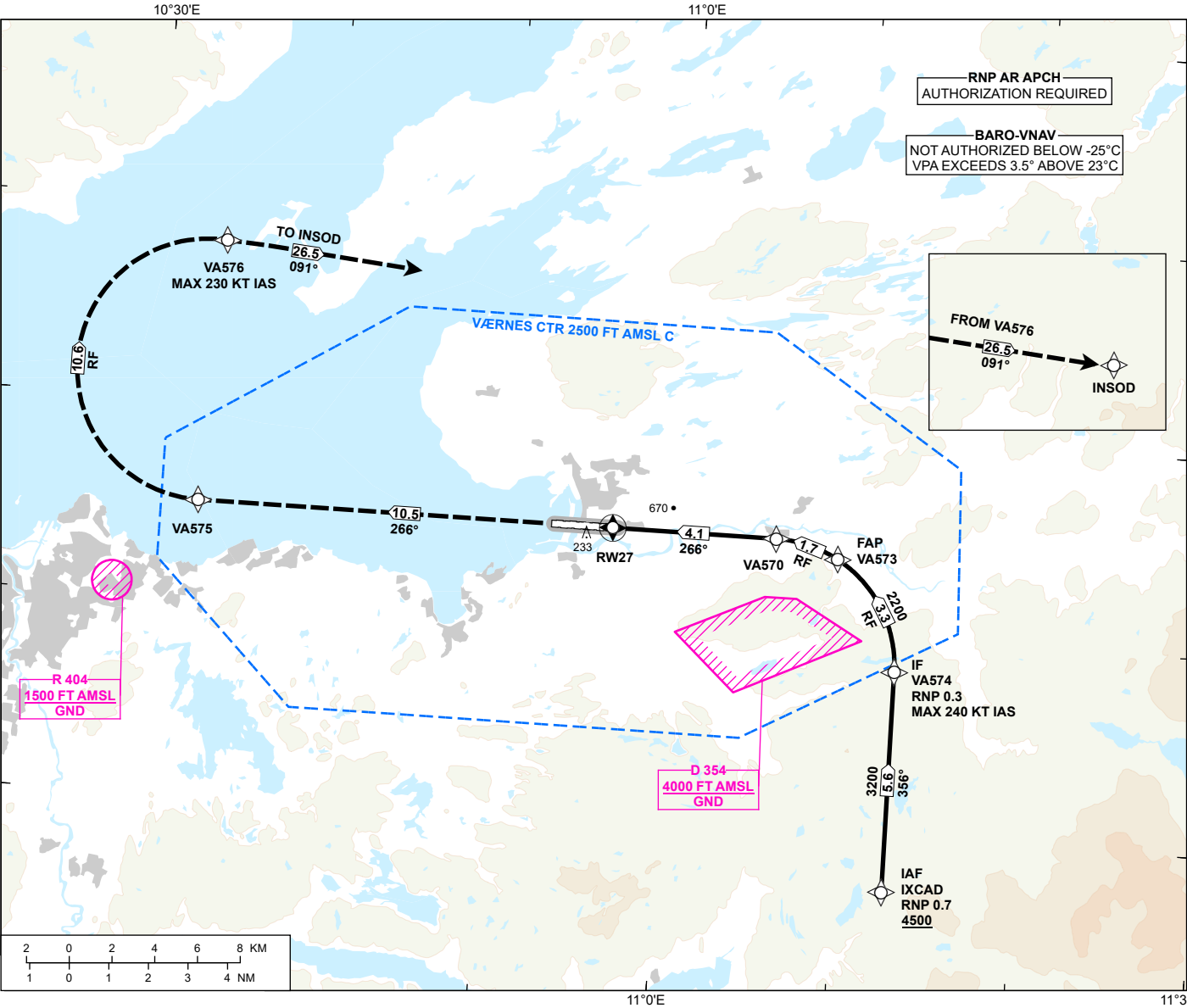
ENVA RNP N RWY 27 (AR) - SIGNIFICANT POINTS

Name	Latitude	Longitude
FUBBO	633554.22N	0111630.83E
INSOD	633136.85N	0113247.77E
VA008	633034.23N	0110547.18E
VA010	633045.52N	0103309.31E
VA570	632725.82N	0110544.29E
VA571	632750.69N	0110916.49E
VA572	632942.71N	0111232.83E
VA575	632728.14N	0103307.35E
VA576	633402.20N	0103346.50E

INSTRUMENT APPROACH CHART - ICAO

58 MSA 25 NM ARP	ATIS: 127.555	AD ELEV: 64
	APP: 118.605 119.155	THR ELEV: 57
	TWR: 119.405 133.755	HGT RELATED TO THR 27
	CIRCLING HGT RELATED TO AD ELEV	
	DIST IN NM. ELEV, ALT AND HGT IN FT	
SCALE 1:300 000		VAR 4°E (2020)
TRANSITION ALTITUDE		7000

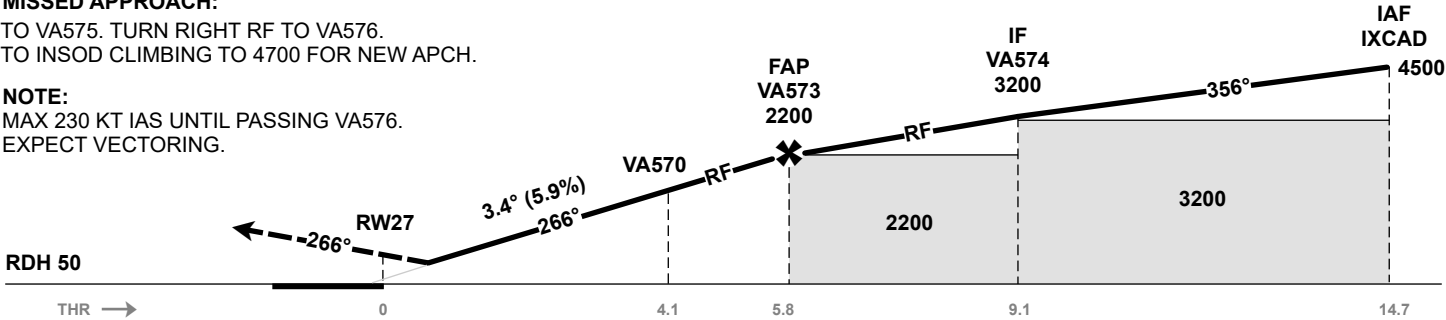
TRONDHEIM
VÆRNES
RNP S RWY 27 (AR)



DIST TO RW27	9	8	7	6	5	4	3	2
ALT (HGT)	-	-	-	-	-	-	-	-

MISSED APPROACH:
TO VA575. TURN RIGHT RF TO VA576.
TO INSOD CLIMBING TO 4700 FOR NEW APCH.

NOTE:
MAX 230 KT IAS UNTIL PASSING VA576.
EXPECT VECTORING.



CAT OF ACFT		A	B	C	D
OCA (H) STRAIGHT- IN	RNP 0.3	855 (798)	866 (809)	877 (820)	888 (831)
	RNP 0.2	714 (657)	725 (668)	736 (679)	747 (690)
	RNP 0.1	340 (283)	351 (294)	362 (305)	382 (325)
CIRCLING		-	-	-	-

NOTE:

CHANGES: NEW PROCEDURE.

ENVA RNP S RWY 27 (AR) - RECOMMENDED CODING

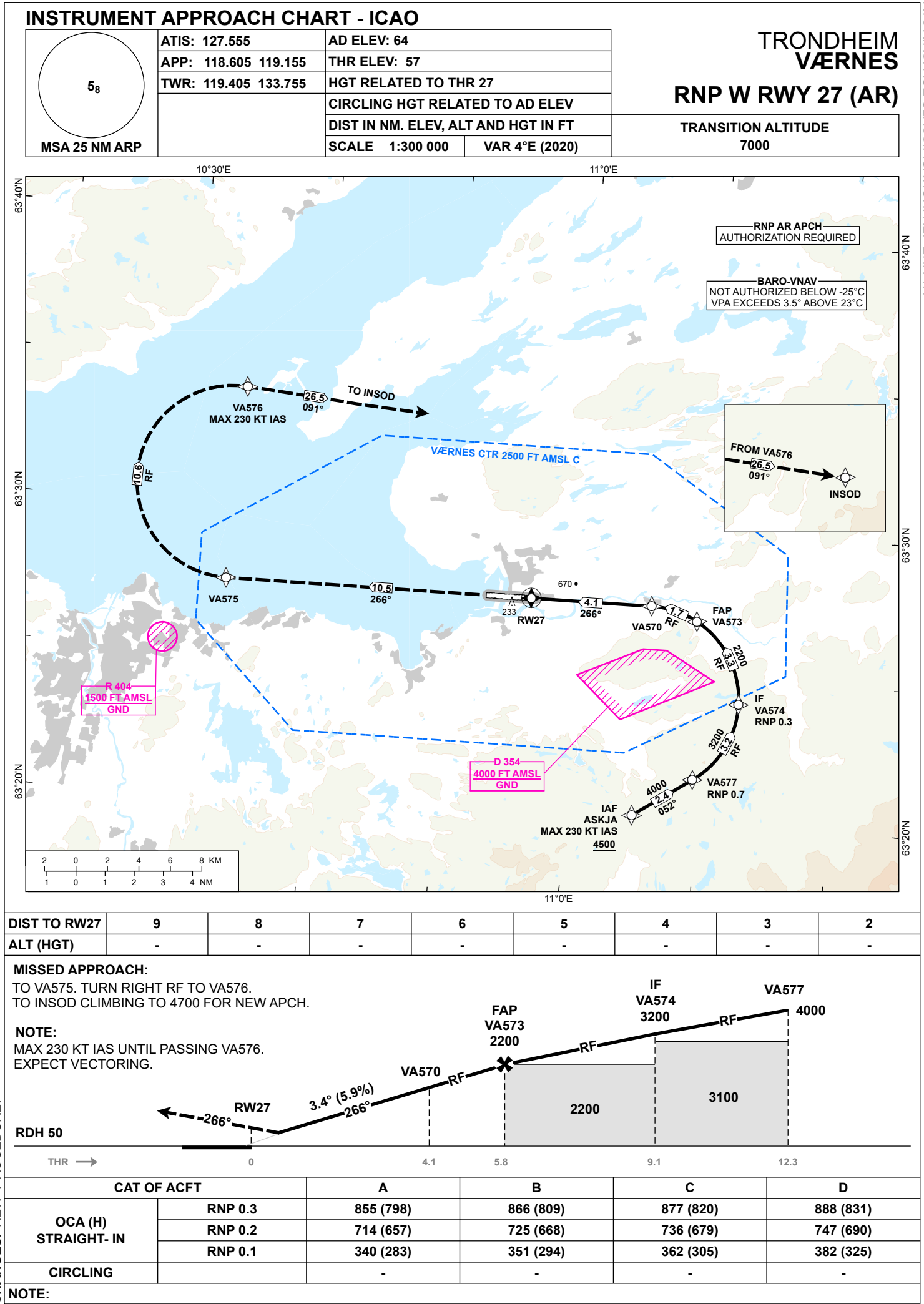
SN	PD	WI	Fly-over	°M (°T)	MAG VAR	DIST (NM)	REC NAVAID	TD	ALT (FT)	Speed (KT)	VPA (°)/TCH (FT)	ARC CENTRE RADIUS (NM)	RNP (NM)
10	IF	IXCAD	-	-	-4.0	-	-	-	A4500+	-	-	-	0.7
20	TF	VA574	-	-	-4.0	5.6	-	-	A3200+	K240-	-	-	0.7
30	RF	VA573	-	-	-4.0	3.3	-	L	A2200+	-	-	VA009 3.200	0.3
40	RF	VA570	-	-	-4.0	1.7	-	L	-	-	-3.4	VA009 3.200	0.3
50	TF	RW27	Y	-	-4.0	4.1	-	-	-	-	-3.4/50	-	0.3
60	TF	VA575	-	-	-4.0	10.5	-	-	-	-	-	-	1.0
70	RF	VA576	-	-	-4.0	10.6	-	R	-	K230-	-	VA010 3.300	1.0
80	TF	INSOD	-	-	-4.0	26.5	-	-	A4700+	-	-	-	1.0

Note: Recommended coding is based on ARINC 424 and is provided solely to indicate which procedure design protection areas were used in the Instrument Flight Procedure Design process.

Note: Published OCA(H) values are obstacle clearance values. Decision heights (DH) below 250 FT shall not be used due to approach operation Type A limitations.

ENVA RNP S RWY 27 (AR) - SIGNIFICANT POINTS

Name	Latitude	Longitude
INSOD	633136.85N	0113247.77E
IXCAD	631841.97N	0111248.03E
VA009	632414.43N	0110541.37E
VA010	633045.52N	0103309.31E
VA570	632725.82N	0110544.29E
VA573	632659.95N	0110915.92E
VA574	632414.53N	0111248.31E
VA575	632728.14N	0103307.35E
VA576	633402.20N	0103346.50E



ENVA RNP W RWY 27 (AR) - RECOMMENDED CODING

SN	PD	WI	Fly-over	°M (°T)	MAG VAR	DIST (NM)	REC NAVAID	TD	ALT (FT)	Speed (KT)	VPA (°)/TCH (FT)	ARC CENTRE RADIUS (NM)	RNP (NM)
10	IF	ASKJA	-	-	-4.0	-	-	-	A4500+	K230-	-	-	1.0
20	TF	VA577	-	-	-4.0	2.4	-	-	A4000+	-	-	-	1.0
30	RF	VA574	-	-	-4.0	3.2	-	L	A3200+	-	-	VA009 3.200	0.7
40	RF	VA573	-	-	-4.0	3.3	-	L	A2200+	-	-	VA009 3.200	0.3
50	RF	VA570	-	-	-4.0	1.7	-	L	-	-	-3.4	VA009 3.200	0.3
60	TF	RW27	Y	-	-4.0	4.1	-	-	-	-	-3.4/50	-	0.3
70	TF	VA575	-	-	-4.0	10.5	-	-	-	-	-	-	1.0
80	RF	VA576	-	-	-4.0	10.6	-	R	-	K230-	-	VA010 3.300	1.0
90	TF	INSOD	-	-	-4.0	26.5	-	-	A4700+	-	-	-	1.0

Note: Recommended coding is based on ARINC 424 and is provided solely to indicate which procedure design protection areas were used in the Instrument Flight Procedure Design process.

Note: Published OCA(H) values are obstacle clearance values. Decision heights (DH) below 250 FT shall not be used due to approach operation Type A limitations.

ENVA RNP W RWY 27 (AR) - SIGNIFICANT POINTS

Name	Latitude	Longitude
ASKJA	632015.22N	0110510.61E
INSOD	633136.85N	0113247.77E
VA009	632414.43N	0110541.37E
VA010	633045.52N	0103309.31E
VA570	632725.82N	0110544.29E
VA573	632659.95N	0110915.92E
VA574	632414.53N	0111248.31E
VA575	632728.14N	0103307.35E
VA576	633402.20N	0103346.50E
VA577	632135.10N	0110937.75E