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AIP AIRAC SUP 01/2026 EFF 22 JAN 2026

Publication date: 18 DEC 2025

ENTC - Nye RNP AR-prosedyrer for Tromsø lufthavn, Langnes

Erstatter AIP AIRAC SUP 32/2025

Vedlagt denne AIP AIRAC SUP finnes RNP AR-prosedyrer til RWY 18 og RWY 36 ved Tromsø lufthavn, Langnes.

De vedlagte prosedyrene publiseres kun for kontrollflygings- og godkjenningsøyemed 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 lufttrafikktjenesten om å fly RNP AR-prosedyrene.

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

1. RNP E RWY 18 (AR)
2. RNP S RWY 18 (AR)
3. RNP W RWY 18 (AR)
4. RNP E RWY 36 (AR)
5. RNP O RWY 36 (AR)
6. RNP S RWY 36 (AR)
7. RNP W RWY 36 (AR)

- Vedlegg -

ENTC - New RNP AR procedures for Tromso airport, Langnes

Replaces AIP AIRAC SUP 32/2025

Attached to this AIP AIRAC SUP are RNP AR procedures for RWY 18 and RWY 36 at Tromso airport, Langnes.

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.

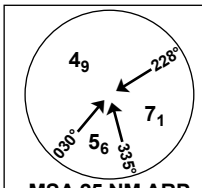
Operators are asked not to request these procedures from Air Traffic Services.

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

1. RNP E RWY 18 (AR)
2. RNP S RWY 18 (AR)
3. RNP W RWY 18 (AR)
4. RNP E RWY 36 (AR)
5. RNP O RWY 36 (AR)
6. RNP S RWY 36 (AR)
7. RNP W RWY 36 (AR)

- Attachment -

INSTRUMENT APPROACH CHART - ICAO

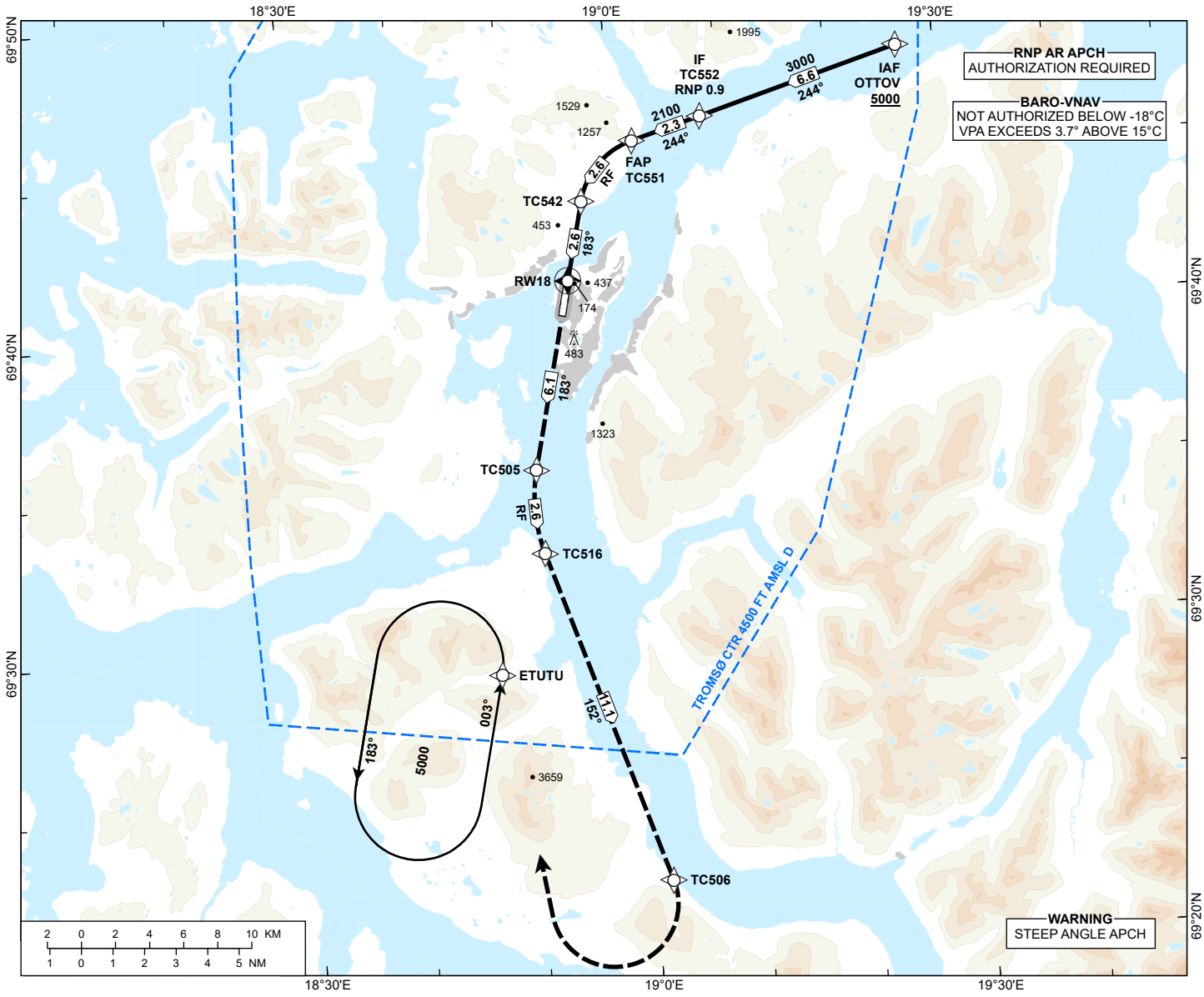


MSA 25 NM ARP

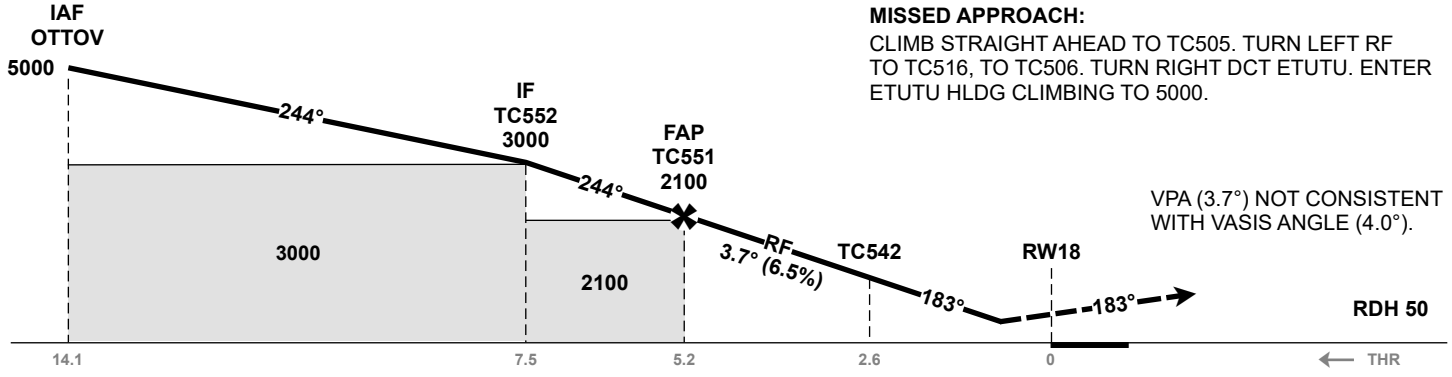
ATIS: 126.130	AD ELEV: 32
APP: 123.755	THR ELEV: 14
TWR: 118.305	HGT RELATED TO THR 18
	CIRCLING HGT RELATED TO AD ELEV
	DIST IN NM. ELEV, ALT AND HGT IN FT
	SCALE 1:370 000 / VAR 10° E (2020)

TROMSØ
LANGNES
RNP E RWY 18 (AR)

TRANSITION ALTITUDE
7000



DIST TO RW18	9	8	7	6	5	4	3	2
ALT (HGT)	-	-	-	-	-	-	-	-



MISSED APPROACH:
CLIMB STRAIGHT AHEAD TO TC505. TURN LEFT RF TO TC516, TO TC506. TURN RIGHT DCT ETUTU. ENTER ETUTU HLDG CLIMBING TO 5000.

VPA (3.7°) NOT CONSISTENT WITH VASIS ANGLE (4.0°).

RDH 50

CAT OF ACFT		A	B	C	D
OCA (H) STRAIGHT- IN	RNP 0.3 (3.2%*)	644 (630)	658 (644)	671 (657)	684 (670)
	RNP 0.1 (2.9%*)	362 (348)	379 (365)	392 (378)	405 (391)
CIRCLING		-	-	-	-

NOTE: *MNM MISSED APCH CLIMB GRADIENT.

CHANGES: COMPLETE REVISION.

ATS AIRSPACE CLASSIFICATION: REF ENR 1.4

ENTC RNP E RWY 18 (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)
010	IF	OTTOV	-	-	-10.0	-	-	-	A5000+	-	-	-	1.0
020	TF	TC552	-	-	-10.0	6.6	-	-	A3000+	-	-	-	1.0
030	TF	TC551	-	-	-10.0	2.3	-	-	A2100+	-	-	-	0.9
040	RF	TC542	-	-	-10.0	2.6	-	L	-	-	-3.7	TC012 2.48	0.3
050	TF	RW18	Y	-	-10.0	2.6	-	-	-	-	-3.7/50	-	0.3
060	TF	TC505	-	-	-10.0	6.1	-	-	-	-	-	-	1.0
070	RF	TC516	-	-	-10.0	2.6	-	L	-	-	-	TC003 5.0	1.0
080	TF	TC506	Y	-	-10.0	11.1	-	-	-	-	-	-	1.0
090	DF	ETUTU	-	-	-10.0	-	-	R	A5000	-	-	-	1.0
100	HM	ETUTU	-	003 (012.9)	-10.0	1 MIN	-	L	A5000+	-	-	-	1.0

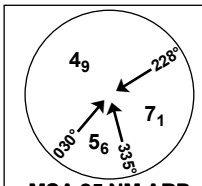
Note: Recommended coding is based on ARINC 424 and is provided solely to indicate which procedure design protection areas were used in the Instrument Flight Procedure Design process.

ENTC RNP E RWY 18 (AR) - SIGNIFICANT POINTS

Name	Latitude	Longitude
ETUTU	692907.41N	0184717.53E
OTTOV	694810.59N	0192636.90E
TC003	693423.19N	0190523.43E
TC012	694320.54N	0190400.94E
TC505	693531.13N	0185129.96E
TC506	692219.60N	0190127.88E
TC516	693251.93N	0185149.31E
TC542	694354.19N	0185704.69E
TC551	694542.84N	0190201.26E
TC552	694621.06N	0190821.02E

CHANGES: OTTOV, TC551, TC552

INSTRUMENT APPROACH CHART - ICAO

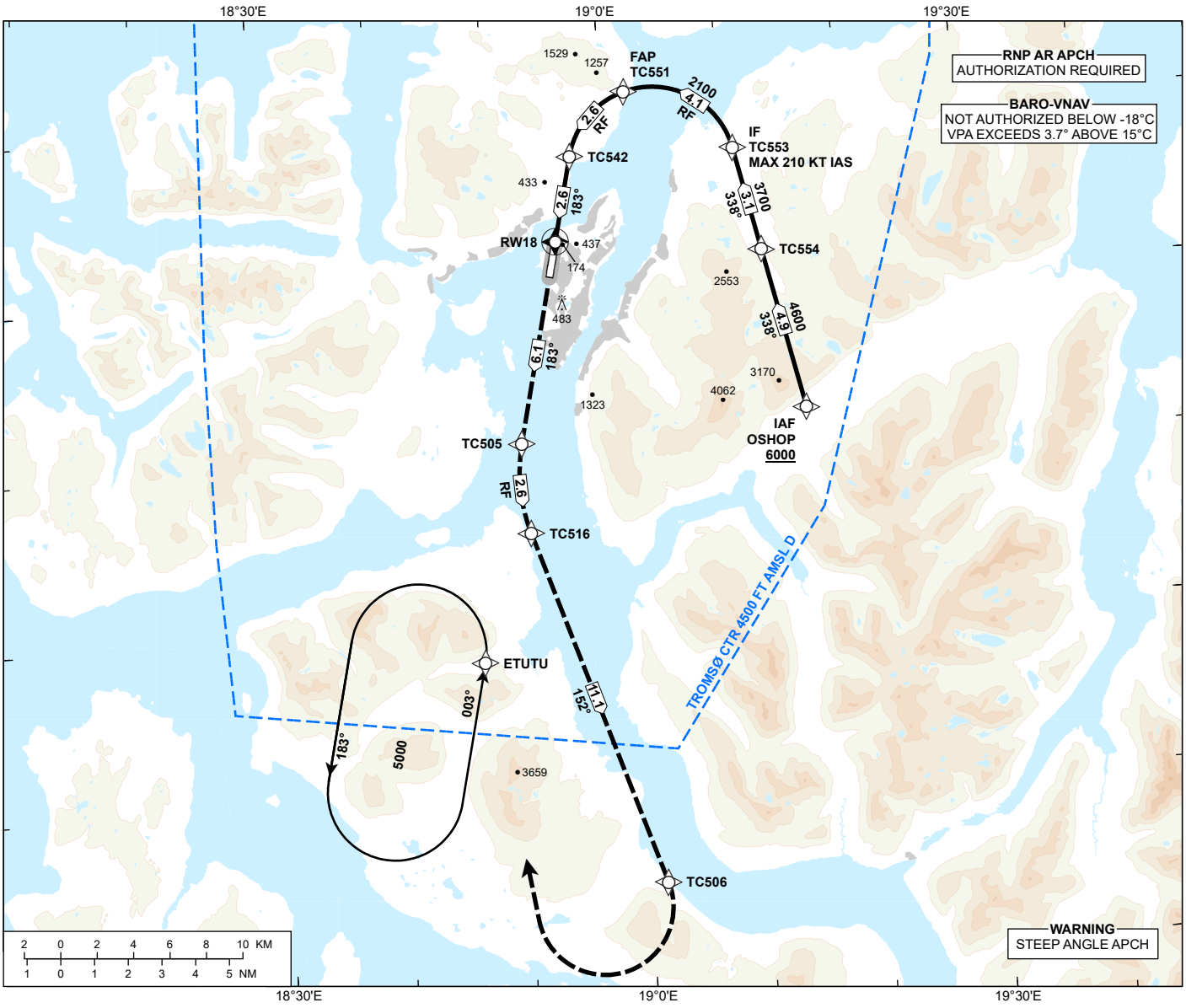


MSA 25 NM ARP

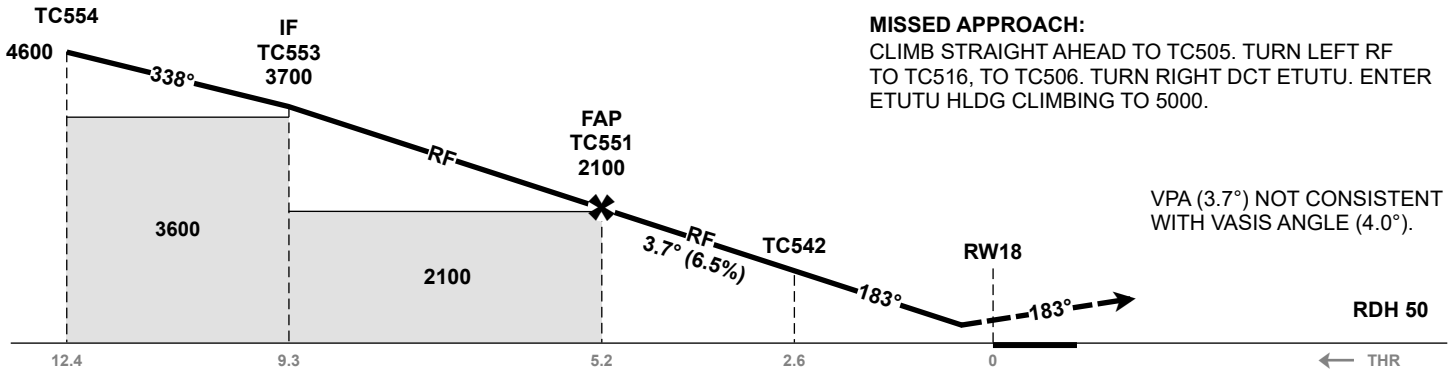
ATIS: 126.130	AD ELEV: 32
APP: 123.755	THR ELEV: 14
TWR: 118.305	HGT RELATED TO THR 18
	CIRCLING HGT RELATED TO AD ELEV
	DIST IN NM. ELEV, ALT AND HGT IN FT
	SCALE 1:350 000 VAR 10° E (2020)

TROMSØ
LANGNES
RNP S RWY 18 (AR)

TRANSITION ALTITUDE
7000



DIST TO RW18	9	8	7	6	5	4	3	2
ALT (HGT)	-	-	-	-	-	-	-	-



MISSED APPROACH:
CLIMB STRAIGHT AHEAD TO TC505. TURN LEFT RF TO TC516, TO TC506. TURN RIGHT DCT ETUTU. ENTER ETUTU HLDG CLIMBING TO 5000.

VPA (3.7°) NOT CONSISTENT WITH VASIS ANGLE (4.0°).

CAT OF ACFT		A	B	C	D
OCA (H) STRAIGHT- IN	RNP 0.3 (3.2%*)	644 (630)	658 (644)	671 (657)	684 (670)
	RNP 0.1 (2.9%*)	362 (348)	379 (365)	392 (378)	405 (391)
CIRCLING		-	-	-	-

NOTE: *MNM MISSED APCH CLIMB GRADIENT.

CHANGES: COMPLETE REVISION.

ATS AIRSPACE CLASSIFICATION: REF ENR 1.4

ENTC RNP S RWY 18 (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)
010	IF	OSHOP	-	-	-10.0	-	-	-	A6000+	-	-	-	1.0
020	TF	TC554	-	-	-10.0	4.9	-	-	A4600+	-	-	-	1.0
030	TF	TC553	-	-	-10.0	3.1	-	-	A3700+	K210-	-	-	1.0
040	RF	TC551	-	-	-10.0	4.1	-	L	A2100+	-	-	TC012 2.48	1.0
050	RF	TC542	-	-	-10.0	2.6	-	L	-	-	-3.7	TC012 2.48	0.3
060	TF	RW18	Y	-	-10.0	2.6	-	-	-	-	-3.7/50	-	0.3
070	TF	TC505	-	-	-10.0	6.1	-	-	-	-	-	-	1.0
080	RF	TC516	-	-	-10.0	2.6	-	L	-	-	-	TC003 5.0	1.0
090	TF	TC506	Y	-	-10.0	11.1	-	-	-	-	-	-	1.0
100	DF	ETUTU	-	-	-10.0	-	-	R	A5000	-	-	-	1.0
110	HM	ETUTU	-	003 (012.9)	-10.0	1 MIN	-	L	A5000+	-	-	-	1.0

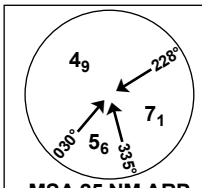
Note: Recommended coding is based on ARINC 424 and is provided solely to indicate which procedure design protection areas were used in the Instrument Flight Procedure Design process.

ENTC RNP S RWY 18 (AR) - SIGNIFICANT POINTS

Name	Latitude	Longitude
ETUTU	692907.41N	0184717.53E
OSHOP	693603.98N	0191545.38E
TC003	693423.19N	0190523.43E
TC012	694320.54N	0190400.94E
TC505	693531.13N	0185129.96E
TC506	692219.60N	0190127.88E
TC516	693251.93N	0185149.31E
TC542	694354.19N	0185704.69E
TC551	694542.84N	0190201.26E
TC553	694351.62N	0191058.84E
TC554	694048.64N	0191251.21E

CHANGES: OSHOP, TC551, TC553, TC554

INSTRUMENT APPROACH CHART - ICAO



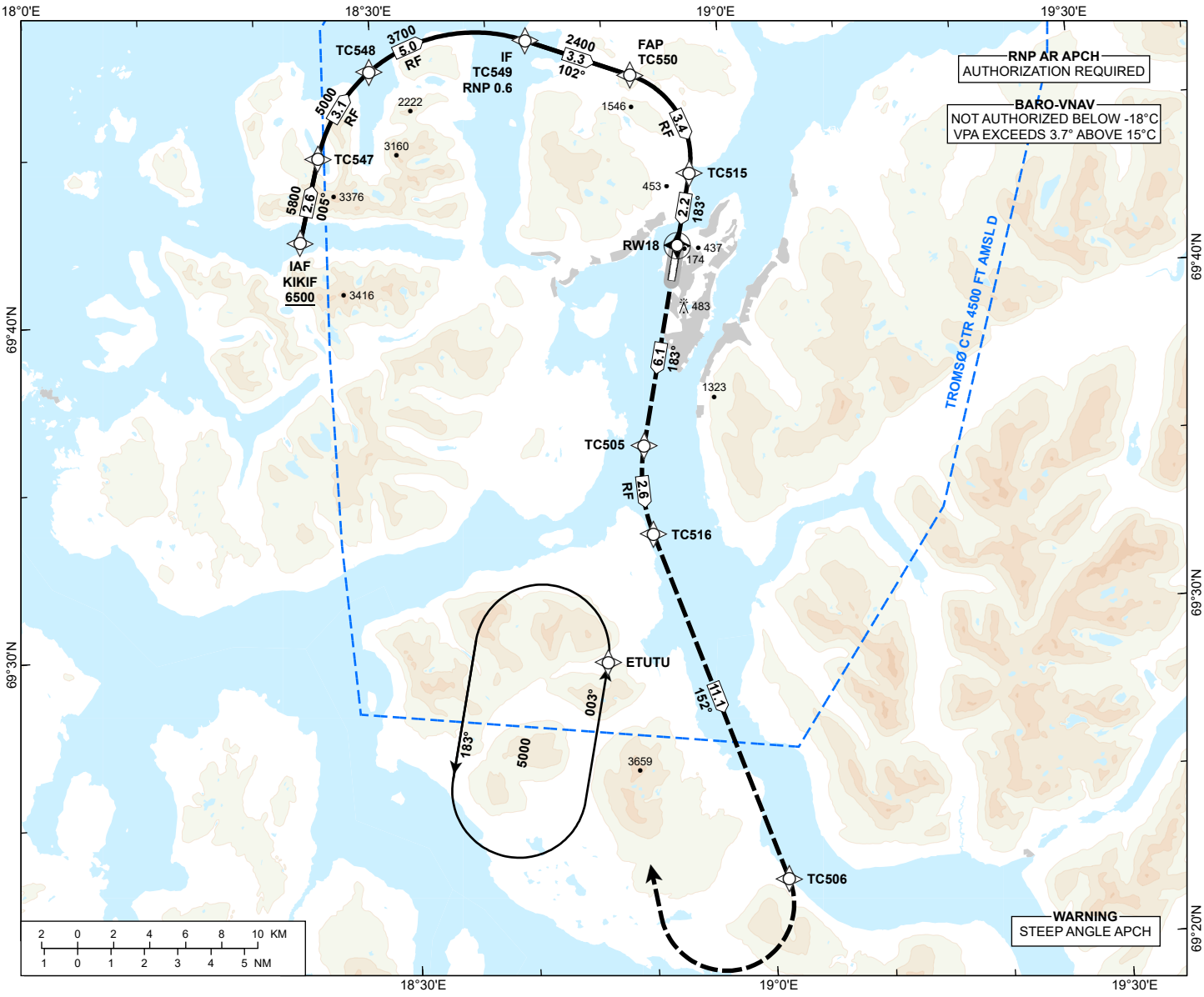
MSA 25 NM ARP

ATIS: 126.130	AD ELEV: 32
APP: 123.755	THR ELEV: 14
TWR: 118.305	HGT RELATED TO THR 18
	CIRCLING HGT RELATED TO AD ELEV
	DIST IN NM. ELEV, ALT AND HGT IN FT
	SCALE 1:350 000 / VAR 10° E (2020)

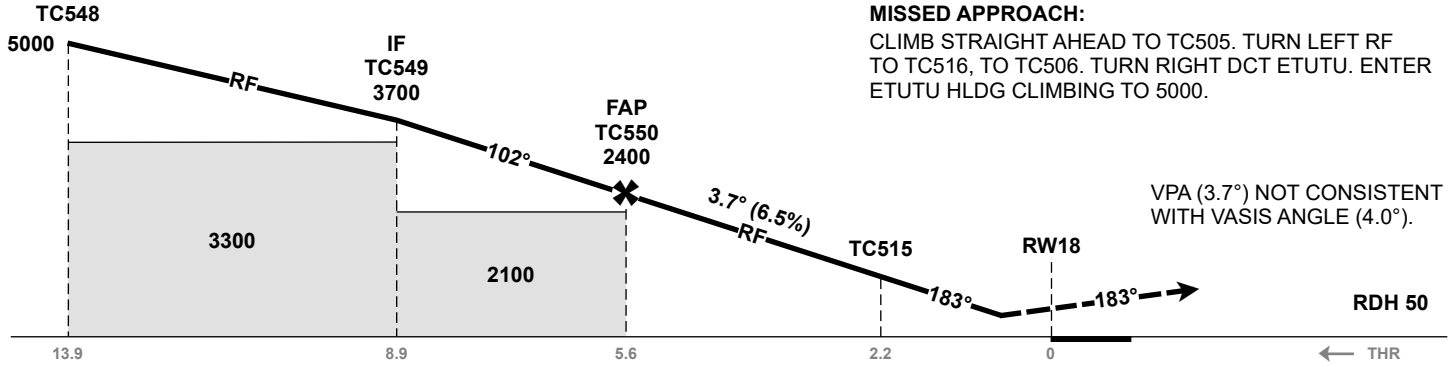
TROMSØ
LANGNES

RNP W RWY 18 (AR)

TRANSITION ALTITUDE
7000



DIST TO RW18	9	8	7	6	5	4	3	2
ALT (HGT)	-	-	-	-	-	-	-	-



MISSED APPROACH:
CLIMB STRAIGHT AHEAD TO TC505. TURN LEFT RF TO TC516, TO TC506. TURN RIGHT DCT ETUTU. ENTER ETUTU HLDG CLIMBING TO 5000.

VPA (3.7°) NOT CONSISTENT WITH VASIS ANGLE (4.0°).

CAT OF ACFT		A	B	C	D
OCA (H) STRAIGHT- IN	RNP 0.3 (3.2%*)	644 (630)	658 (644)	671 (657)	684 (670)
	RNP 0.1 (2.9%*)	362 (348)	379 (365)	392 (378)	405 (391)
CIRCLING		-	-	-	-

NOTE: *MNM MISSED APCH CLIMB GRADIENT.

CHANGES: COMPLETE REVISION.

ATS AIRSPACE CLASSIFICATION: REF ENR 1.4

ENTC RNP W RWY 18 (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)
010	IF	KIKIF	-	-	-10.0	-	-	-	A6500+	-	-	-	1.0
020	TF	TC547	-	-	-10.0	2.6	-	-	A5800+	-	-	-	1.0
030	RF	TC548	-	-	-10.0	3.1	-	R	A5000+	-	-	TC015 4.8	1.0
040	RF	TC549	-	-	-10.0	5.0	-	R	A3700+	-	-	TC015 4.8	1.0
050	TF	TC550	-	-	-10.0	3.3	-	-	A2400+	-	-	-	0.6
060	RF	TC515	-	-	-10.0	3.7	-	R	-	-	-3.7	TC016 2.64	0.3
070	TF	RW18	Y	-	-10.0	2.2	-	-	-	-	-3.7/50	-	0.3
080	TF	TC505	-	-	-10.0	6.1	-	-	-	-	-	-	1.0
090	RF	TC516	-	-	-10.0	2.6	-	L	-	-	-	TC003 5.0	1.0
100	TF	TC506	Y	-	-10.0	11.1	-	-	-	-	-	-	1.0
110	DF	ETUTU	-	-	-10.0	-	-	R	A5000	-	-	-	1.0
120	HM	ETUTU	-	003 (012.9)	-10.0	1 MIN	-	L	A5000+	-	-	-	1.0

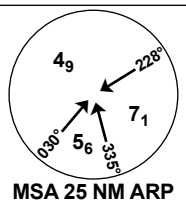
Note: Recommended coding is based on ARINC 424 and is provided solely to indicate which procedure design protection areas were used in the Instrument Flight Procedure Design process.

ENTC RNP W RWY 18 (AR) - SIGNIFICANT POINTS

Name	Latitude	Longitude
ETUTU	692907.41N	0184717.53E
KIKIF	694209.35N	0182303.52E
TC003	693423.19N	0190523.43E
TC015	694322.58N	0183818.03E
TC016	694409.05N	0184927.47E
TC505	693531.13N	0185129.96E
TC506	692219.60N	0190127.88E
TC515	694333.53N	0185650.85E
TC516	693251.93N	0185149.31E
TC547	694438.16N	0182459.74E
TC548	694708.74N	0182948.46E
TC549	694748.91N	0184325.92E
TC550	694635.51N	0185216.91E

CHANGES: TC015, TC016, TC547, TC548, TC549, TC550

INSTRUMENT APPROACH CHART - ICAO



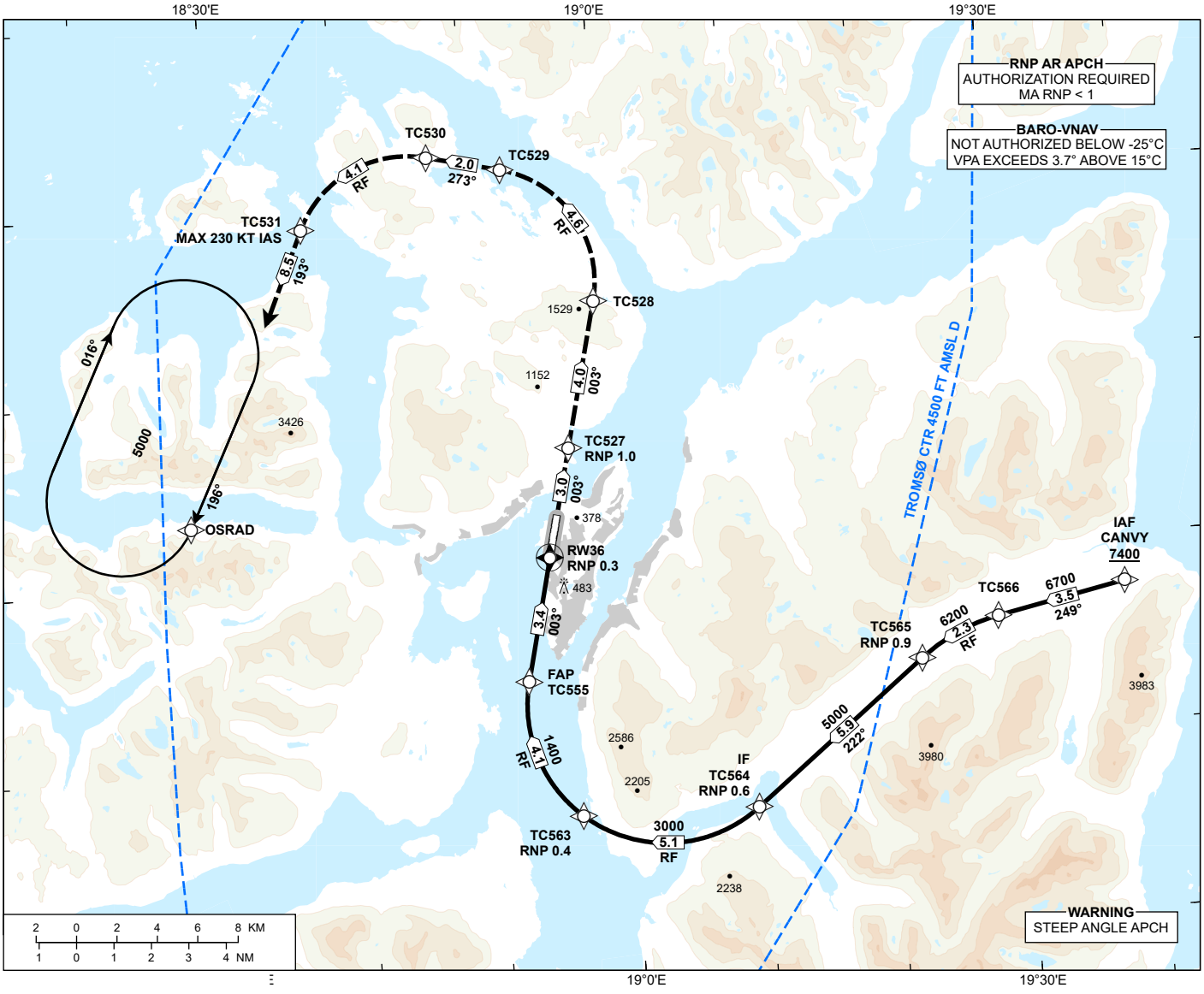
MSA 25 NM ARP

ATIS: 126.130	AD ELEV: 32
APP: 123.755	THR ELEV: 27
TWR: 118.305	HGT RELATED TO THR 36
	CIRCLING HGT RELATED TO AD ELEV
	DIST IN NM. ELEV, ALT AND HGT IN FT
	SCALE 1:320 000 / VAR 10° E (2020)

TROMSØ
LANGNES

RNP E RWY 36 (AR)

TRANSITION ALTITUDE
7000

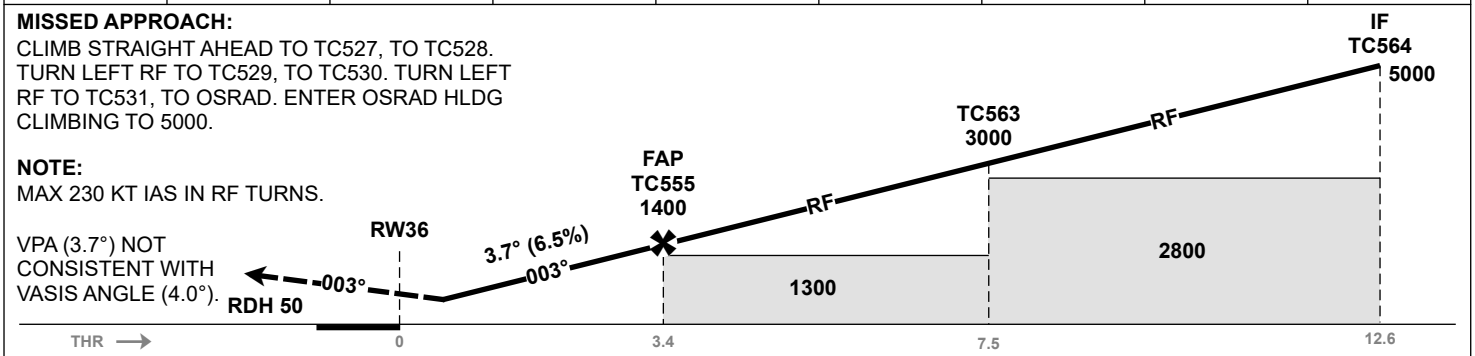


DIST TO RW36	9	8	7	6	5	4	3	2
ALT (HGT)	-	-	-	-	-	-	-	-

MISSED APPROACH:
CLIMB STRAIGHT AHEAD TO TC527, TO TC528. TURN LEFT RF TO TC529, TO TC530. TURN LEFT RF TO TC531, TO OSRAD. ENTER OSRAD HLDG CLIMBING TO 5000.

NOTE:
MAX 230 KT IAS IN RF TURNS.

VPA (3.7°) NOT CONSISTENT WITH VASIS ANGLE (4.0°).



CAT OF ACFT		A	B	C	D
OCA (H) STRAIGHT- IN	RNP 0.3 (2.5%*)	663 (636)	692 (665)	732 (705)	753 (726)
	RNP 0.3 (3.0%*)	625 (598)	639 (612)	652 (625)	665 (638)
	RNP 0.1 (3.0%*)	485 (458)	514 (487)	555 (528)	577 (550)
	RNP 0.1 (5.0%*)	287 (260)	317 (290)	346 (319)	372 (345)
CIRCLING		-	-	-	-

NOTE: *MNM MISSED APCH CLIMB GRADIENT.

CHANGES: COMPLETE REVISION.

ATS AIRSPACE CLASSIFICATION: REF ENR 1.4

ENTC RNP E RWY 36 (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)
010	IF	CANVY	-	-	-10.0	-	-	-	A7400+	-	-	-	1,0
020	TF	TC566	-	-	-10.0	3.5	-	-	A6700+	-	-	-	1.0
030	RF	TC565	-	-	-10.0	2.3	-	L	A6200+	-	-	TC020 5.0	1.0
040	TF	TC564	-	-	-10.0	5.9	-	-	A5000+	-	-	-	0.9
050	RF	TC563	-	-	-10.0	5.1	-	R	A3000+	-	-	TC021 3.7	0.6
060	RF	TC555	-	-	-10.0	4.1	-	R	A1400+	-	-	TC021 3.7	0.4
070	TF	RW36	Y	-	-10.0	3.4	-	-	-	-	-3.7/50	-	0.3
080	TF	TC527	-	-	-10.0	3.0	-	-	-	-	-	-	0.3
090	TF	TC528	-	-	-10.0	4.0	-	-	-	-	-	-	1.0
100	RF	TC529	-	-	-10.0	4.6	-	L	-	-	-	TC006 3.03	1.0
110	TF	TC530	-	-	-10.0	2.0	-	-	-	-	-	-	1.0
120	RF	TC531	-	-	-10.0	4.1	-	L	-	K230-	-	TC007 3.03	1.0
130	TF	OSRAD	-	-	-10.0	8.5	-	-	A5000	-	-	-	1.0
140	HM	OSRAD	-	196 (206.0)	-10.0	1 MIN	-	R	A5000+	-	-	-	1.0

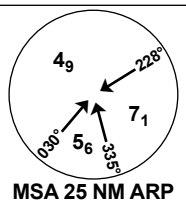
Note: Recommended coding is based on ARINC 424 and is provided solely to indicate which procedure design protection areas were used in the Instrument Flight Procedure Design process.

ENTC RNP E RWY 36 (AR) - SIGNIFICANT POINTS

Name	Latitude	Longitude
CANVY	693843.08N	0193826.86E
OSRAD	694140.13N	0182725.65E
TC006	694748.32N	0185047.17E
TC007	694815.14N	0184509.28E
TC020	693308.65N	0193129.29E
TC021	693616.00N	0190250.29E
TC527	694314.79N	0185639.19E
TC528	694707.07N	0185917.19E
TC529	695044.76N	0185245.15E
TC530	695111.58N	0184707.30E
TC531	694927.34N	0183708.40E
TC555	693706.23N	0185232.65E
TC563	693326.85N	0185602.36E
TC564	693323.21N	0190925.52E
TC565	693702.53N	0192236.49E
TC566	693801.45N	0192838.02E

CHANGES: TC020, TC021 ,TC555, TC563, TC564, TC565, TC566

INSTRUMENT APPROACH CHART - ICAO



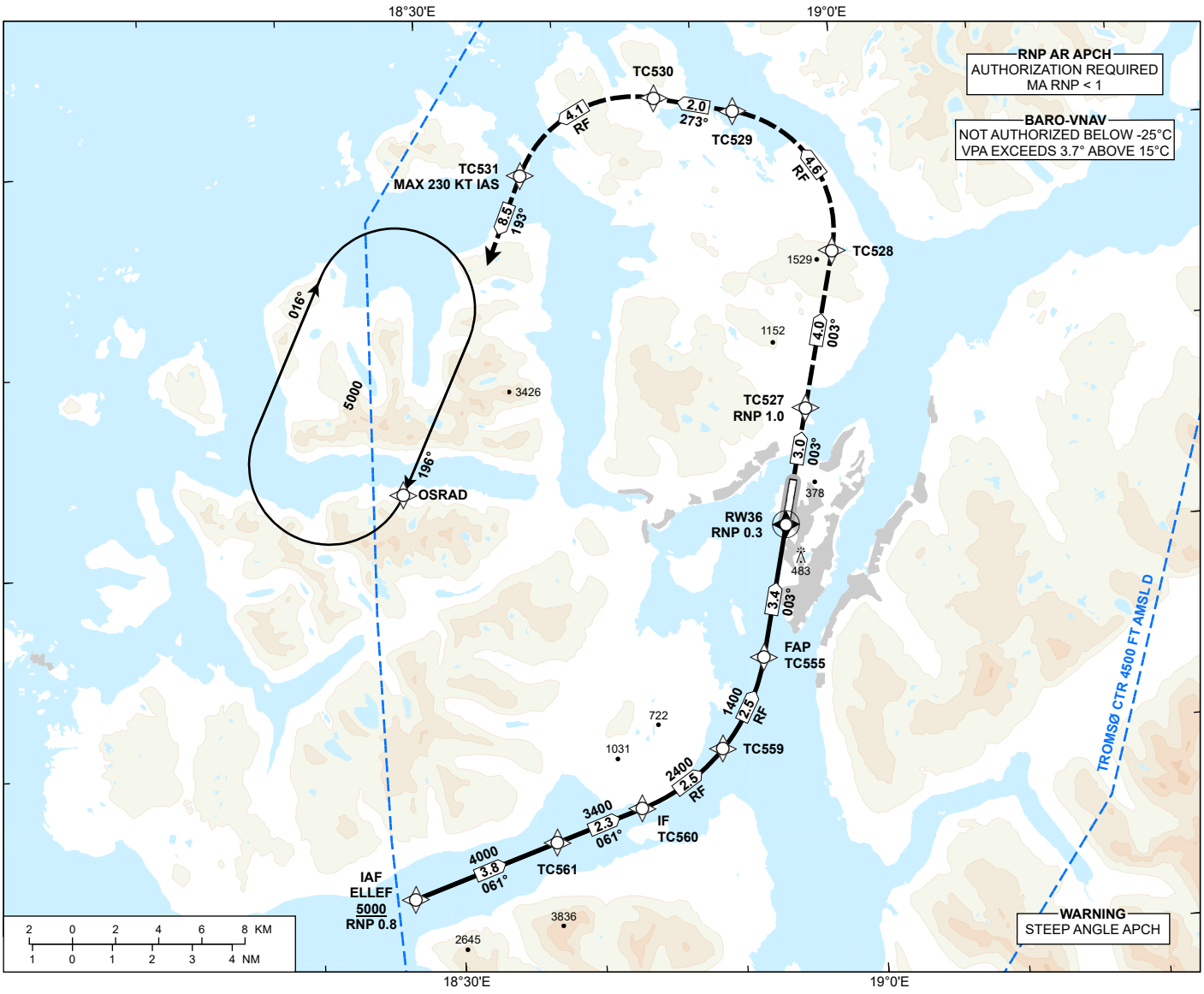
MSA 25 NM ARP

ATIS: 126.130	AD ELEV: 32
APP: 123.755	THR ELEV: 27
TWR: 118.305	HGT RELATED TO THR 36
	CIRCLING HGT RELATED TO AD ELEV
	DIST IN NM. ELEV, ALT AND HGT IN FT
	SCALE 1:300 000 / VAR 10° E (2020)

TROMSØ
LANGNES

RNP O RWY 36 (AR)

TRANSITION ALTITUDE
7000

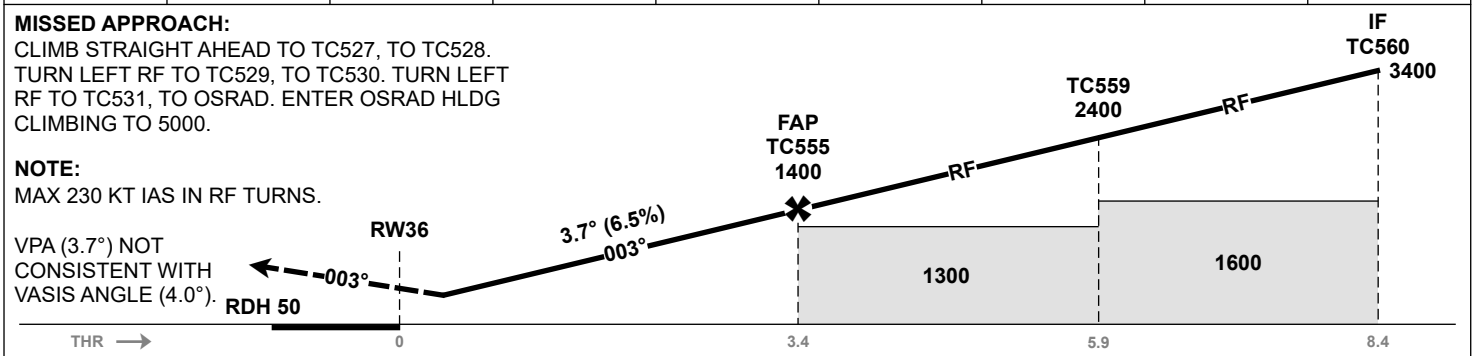


DIST TO RW36	9	8	7	6	5	4	3	2
ALT (HGT)	-	-	-	-	-	-	-	-

MISSED APPROACH:
CLIMB STRAIGHT AHEAD TO TC527, TO TC528. TURN LEFT RF TO TC529, TO TC530. TURN LEFT RF TO TC531, TO OSRAD. ENTER OSRAD HLDG CLIMBING TO 5000.

NOTE:
MAX 230 KT IAS IN RF TURNS.

VPA (3.7°) NOT CONSISTENT WITH VASIS ANGLE (4.0°).



CAT OF ACFT		A	B	C	D
OCA (H) STRAIGHT- IN	RNP 0.3 (2.5%*)	663 (636)	692 (665)	732 (705)	753 (726)
	RNP 0.3 (3.0%*)	625 (598)	639 (612)	652 (625)	665 (638)
	RNP 0.1 (3.0%*)	485 (458)	514 (487)	555 (528)	577 (550)
	RNP 0.1 (5.0%*)	287 (260)	317 (290)	346 (319)	372 (345)
CIRCLING		-	-	-	-

NOTE: *MNM MISSED APCH CLIMB GRADIENT.

CHANGES: COMPLETE REVISION.

ATS AIRSPACE CLASSIFICATION: REF ENR 1.4

ENTC RNP O RWY 36 (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)
010	IF	ELLEF	-	-	-10.0	-	-	-	A5000+	-	-	-	0.8
020	TF	TC561	-	-	-10.0	3.8	-	-	A4000+	-	-	-	0.8
030	TF	TC560	-	-	-10.0	2.3	-	-	A3400+	-	-	-	0.8
040	RF	TC559	-	-	-10.0	2.5	-	L	A2400+	-	-	TC018 4.97	0.8
050	RF	TC555	-	-	-10.0	2.5	-	L	A1400+	-	-	TC018 4.97	0.8
060	TF	RW36	Y	-	-10.0	3.4	-	-	-	-	-3.7/50	-	0.3
070	TF	TC527	-	-	-10.0	3.0	-	-	-	-	-	-	0.3
080	TF	TC528	-	-	-10.0	4.0	-	-	-	-	-	-	1.0
090	RF	TC529	-	-	-10.0	4.6	-	L	-	-	-	TC006 3.03	1.0
100	TF	TC530	-	-	-10.0	2.0	-	-	-	-	-	-	1.0
110	RF	TC531	-	-	-10.0	4.1	-	L	-	K230-	-	TC007 3.03	1.0
120	TF	OSRAD	-	-	-10.0	8.5	-	-	A5000	-	-	-	1.0
130	HM	OSRAD	-	196 (206.0)	-10.0	1 MIN	-	R	A5000+	-	-	-	1.0

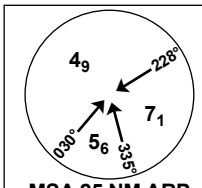
Note: Recommended coding is based on ARINC 424 and is provided solely to indicate which procedure design protection areas were used in the Instrument Flight Procedure Design process.

ENTC RNP O RWY 36 (AR) - SIGNIFICANT POINTS

Name	Latitude	Longitude
ELLEF	693134.62N	0182642.06E
OSRAD	694140.13N	0182725.65E
TC006	694748.32N	0185047.17E
TC007	694815.14N	0184509.28E
TC018	693812.80N	0183841.80E
TC527	694314.79N	0185639.19E
TC528	694707.07N	0185917.18E
TC529	695044.76N	0185245.14E
TC530	695111.58N	0184707.30E
TC531	694927.34N	0183708.40E
TC555	693706.22N	0185232.65E
TC559	693453.03N	0184912.14E
TC560	693331.13N	0184311.94E
TC561	693247.62N	0183700.39E

CHANGES: TC018, TC561, TC560, TC559, TC555

INSTRUMENT APPROACH CHART - ICAO



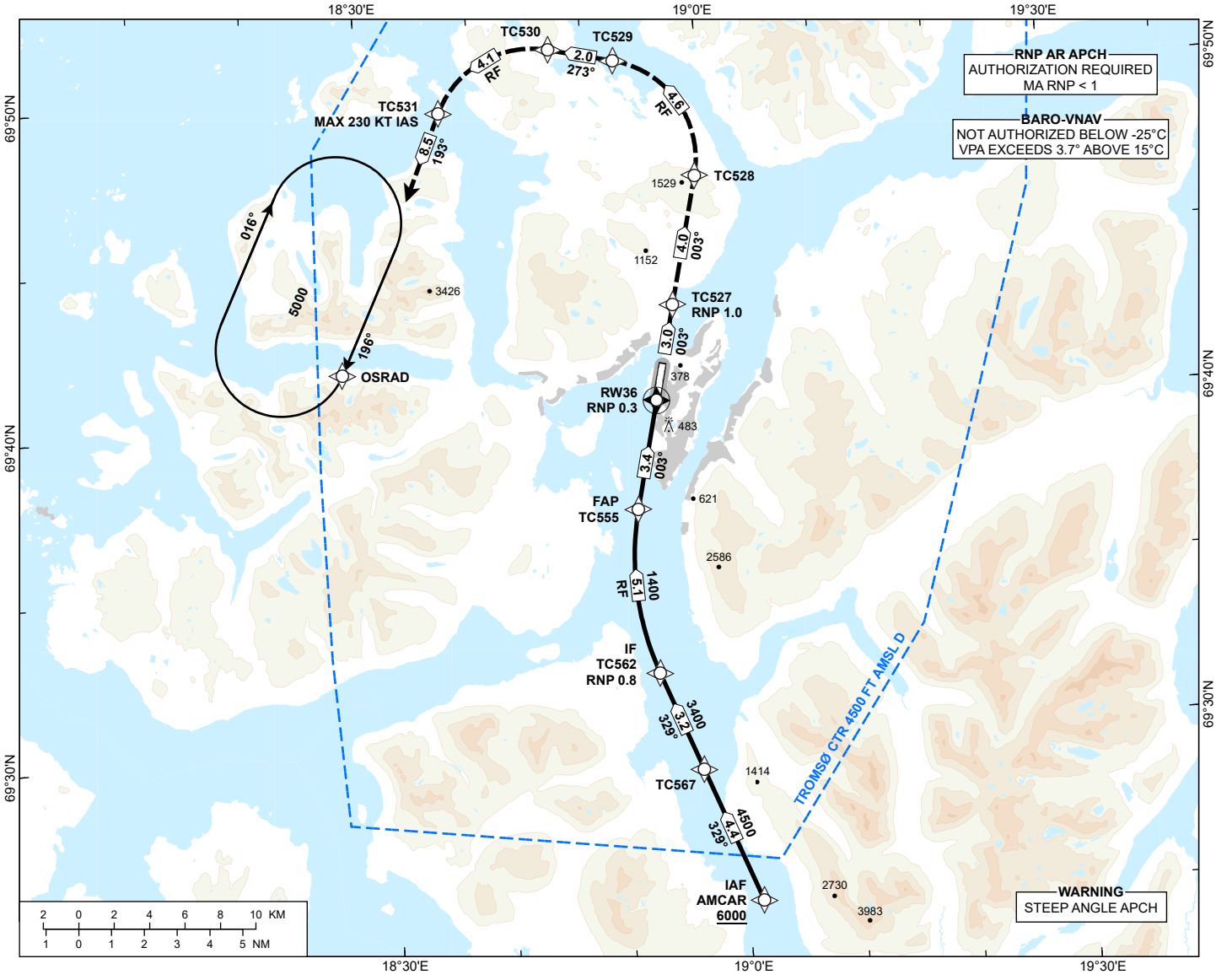
MSA 25 NM ARP

ATIS: 126.130	AD ELEV: 32	
APP: 123.755	THR ELEV: 27	
TWR: 118.305	HGT RELATED TO THR 36	
	CIRCLING HGT RELATED TO AD ELEV	
	DIST IN NM. ELEV, ALT AND HGT IN FT	
	SCALE 1:360 000	VAR 10° E (2020)

TROMSØ
LANGNES

RNP S RWY 36 (AR)

TRANSITION ALTITUDE
7000

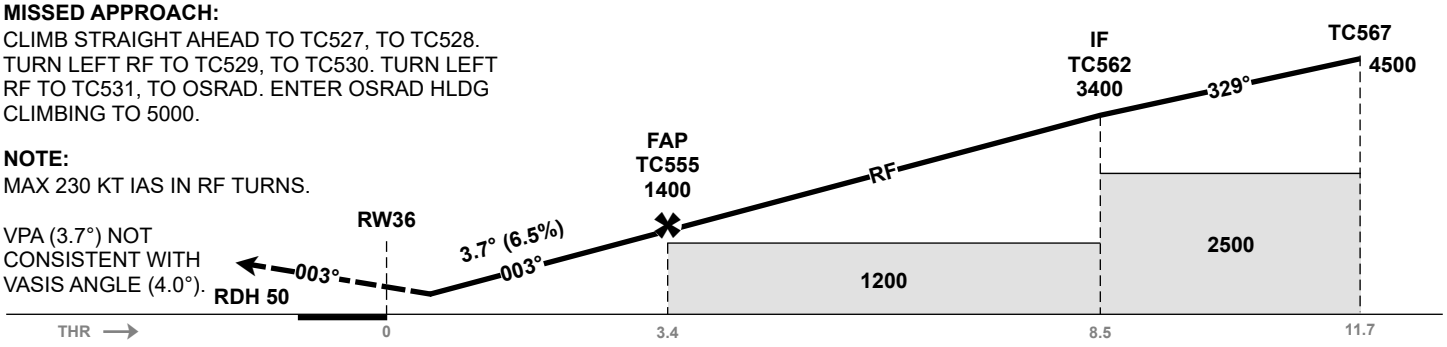


DIST TO RW36	9	8	7	6	5	4	3	2
ALT (HGT)	-	-	-	-	-	-	-	-

MISSED APPROACH:
CLIMB STRAIGHT AHEAD TO TC527, TO TC528. TURN LEFT RF TO TC529, TO TC530. TURN LEFT RF TO TC531, TO OSRAD. ENTER OSRAD HLDG CLIMBING TO 5000.

NOTE:
MAX 230 KT IAS IN RF TURNS.

VPA (3.7°) NOT CONSISTENT WITH VASIS ANGLE (4.0°).



CAT OF ACFT		A	B	C	D
OCA (H) STRAIGHT- IN	RNP 0.3 (2.5%*)	663 (636)	692 (665)	732 (705)	753 (726)
	RNP 0.3 (3.0%*)	625 (598)	639 (612)	652 (625)	665 (638)
	RNP 0.1 (3.0%*)	485 (458)	514 (487)	555 (528)	577 (550)
	RNP 0.1 (5.0%*)	287 (260)	317 (290)	346 (319)	372 (345)
CIRCLING		-	-	-	-

NOTE: *MNM MISSED APCH CLIMB GRADIENT.

CHANGES: COMPLETE REVISION.

ATS AIRSPACE CLASSIFICATION: REF ENR 1.4

ENTC RNP S RWY 36 (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)
010	IF	AMCAR	-	-	-10.0	-	-	-	A6000+	-	-	-	1.0
020	TF	TC567	-	-	-10.0	4.4	-	-	A4500+	-	-	-	1.0
030	TF	TC562	-	-	-10.0	3.2	-	-	A3400+	-	-	-	1.0
040	RF	TC555	-	-	-10.0	5.1	-	R	A1400+	-	-	TC019 8.6	0.8
050	TF	RW36	Y	-	-10.0	3.4	-	-	-	-	-3.7/50	-	0.3
060	TF	TC527	-	-	-10.0	3.0	-	-	-	-	-	-	0.3
070	TF	TC528	-	-	-10.0	4.0	-	-	-	-	-	-	1.0
080	RF	TC529	-	-	-10.0	4.6	-	L	-	-	-	TC006 3.03	1.0
090	TF	TC530	-	-	-10.0	2.0	-	-	-	-	-	-	1.0
100	RF	TC531	-	-	-10.0	4.1	-	L	-	K230-	-	TC007 3.03	1.0
110	TF	OSRAD	-	-	-10.0	8.5	-	-	A5000	-	-	-	1.0
120	HM	OSRAD	-	196 (206.0)	-10.0	1 MIN	-	R	A5000+	-	-	-	1.0

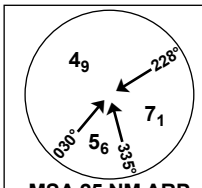
Note: Recommended coding is based on ARINC 424 and is provided solely to indicate which procedure design protection areas were used in the Instrument Flight Procedure Design process.

ENTC RNP S RWY 36 (AR) - SIGNIFICANT POINTS

Name	Latitude	Longitude
AMCAR	692500.80N	0190116.01E
OSRAD	694140.13N	0182725.65E
TC006	694748.32N	0185047.17E
TC007	694815.14N	0184509.28E
TC019	693508.45N	0191626.91E
TC527	694314.79N	0185639.19E
TC528	694707.07N	0185917.18E
TC529	695044.76N	0185245.14E
TC530	695111.58N	0184707.30E
TC531	694927.34N	0183708.40E
TC555	693706.22N	0185232.65E
TC562	693205.68N	0185332.41E
TC567	692905.96N	0185649.18E

CHANGES: TC019, TC555, TC562, TC567

INSTRUMENT APPROACH CHART - ICAO



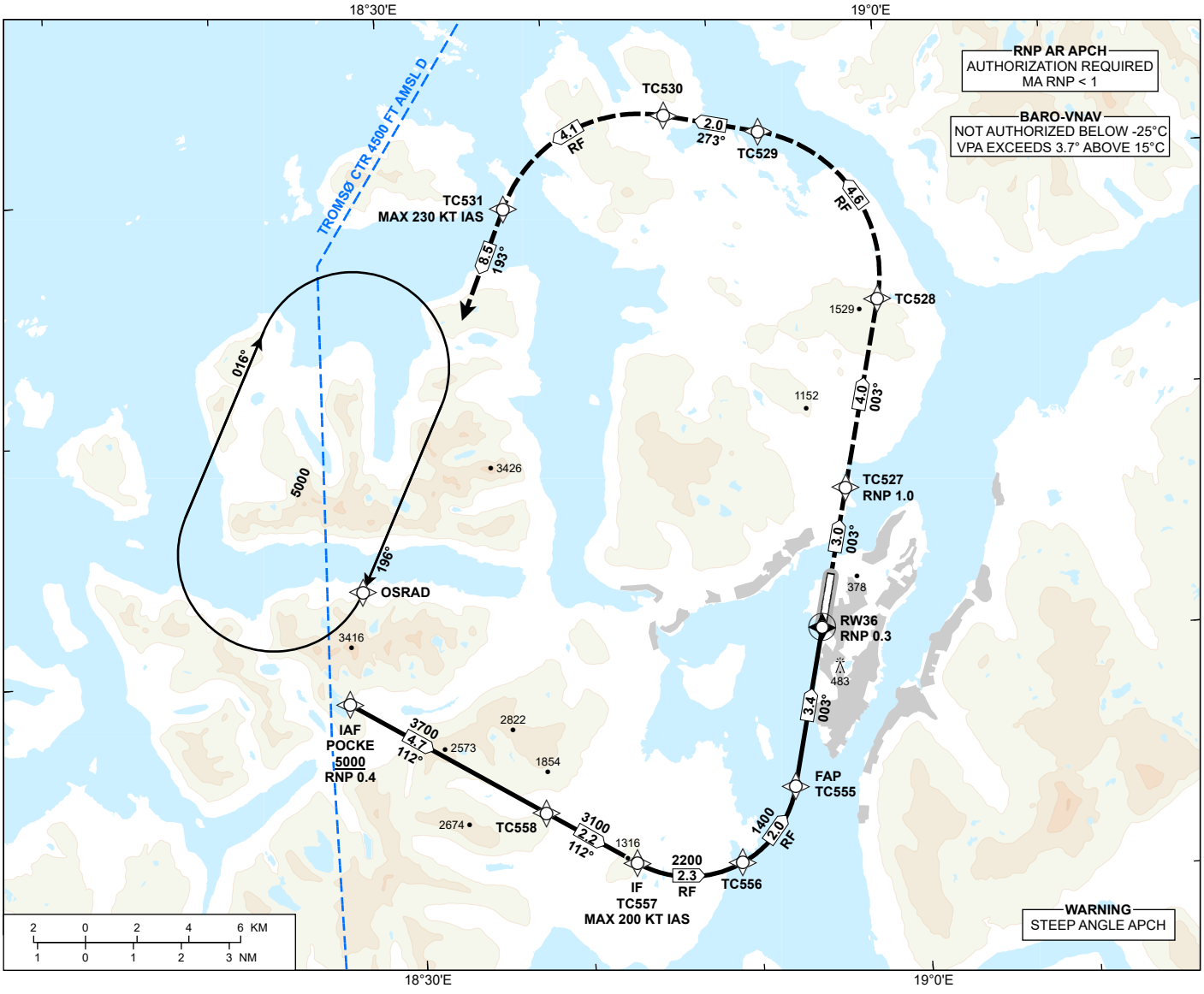
MSA 25 NM ARP

ATIS: 126.130	AD ELEV: 32
APP: 123.755	THR ELEV: 27
TWR: 118.305	HGT RELATED TO THR 36
	CIRCLING HGT RELATED TO AD ELEV
	DIST IN NM. ELEV, ALT AND HGT IN FT
	SCALE 1:250 000 / VAR 10° E (2020)

TROMSØ LANGNES

RNP W RWY 36 (AR)

TRANSITION ALTITUDE 7000

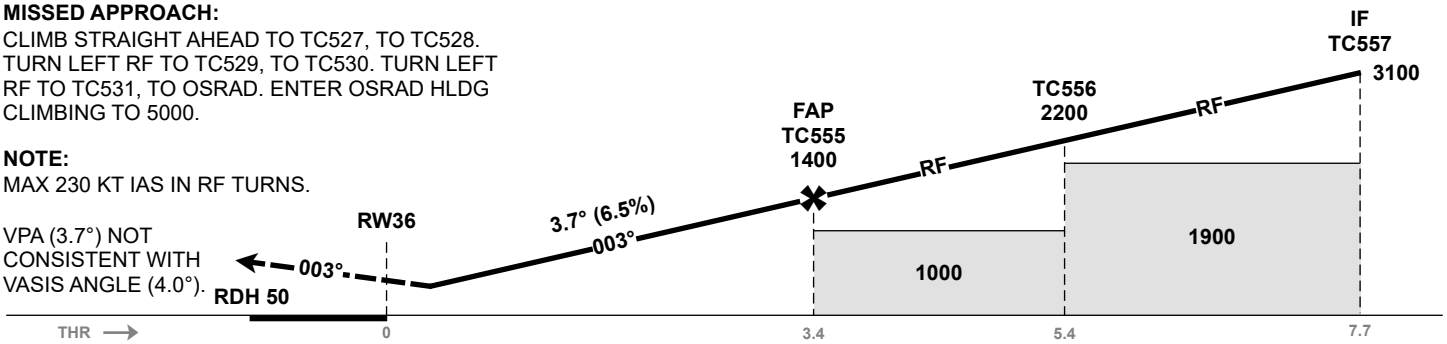


DIST TO RW36	9	8	7	6	5	4	3	2
ALT (HGT)	-	-	-	-	-	-	-	-

MISSED APPROACH:
CLIMB STRAIGHT AHEAD TO TC527, TO TC528. TURN LEFT RF TO TC529, TO TC530. TURN LEFT RF TO TC531, TO OSRAD. ENTER OSRAD HLDG CLIMBING TO 5000.

NOTE:
MAX 230 KT IAS IN RF TURNS.

VPA (3.7°) NOT CONSISTENT WITH VASIS ANGLE (4.0°).



CAT OF ACFT		A	B	C	D
OCA (H) STRAIGHT- IN	RNP 0.3 (2.5%*)	663 (636)	692 (665)	732 (705)	753 (726)
	RNP 0.3 (3.0%*)	625 (598)	639 (612)	652 (625)	665 (638)
	RNP 0.1 (3.0%*)	485 (458)	514 (487)	555 (528)	577 (550)
	RNP 0.1 (5.0%*)	287 (260)	317 (290)	346 (319)	372 (345)
CIRCLING		-	-	-	-

NOTE: *MNM MISSED APCH CLIMB GRADIENT.

CHANGES: COMPLETE REVISION.

ATS AIRSPACE CLASSIFICATION: REF ENR 1.4

ENTC RNP W RWY 36 (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)
010	IF	POCKE	-	-	-10.0	-	-	-	A5000+	-	-	-	0.4
020	TF	TC558	-	-	-10.0	4.7	-	-	A3700+	-	-	-	0.4
030	TF	TC557	-	-	-10.0	2.2	-	-	A3100+	K200-	-	-	0.4
040	RF	TC556	-	-	-10.0	2.3	-	L	A2200+	-	-	TC017 2.25	0.4
050	RF	TC555	-	-	-10.0	2.0	-	L	A1400+	-	-	TC017 2.25	0.4
060	TF	RW36	Y	-	-10.0	3.4	-	-	-	-	-3.7/50	-	0.3
070	TF	TC527	-	-	-10.0	3.0	-	-	-	-	-	-	0.3
080	TF	TC528	-	-	-10.0	4.0	-	-	-	-	-	-	1.0
090	RF	TC529	-	-	-10.0	4.6	-	L	-	-	-	TC006 3.03	1.0
100	TF	TC530	-	-	-10.0	2.0	-	-	-	-	-	-	1.0
110	RF	TC531	-	-	-10.0	4.1	-	L	-	K230-	-	TC007 3.03	1.0
120	TF	OSRAD	-	-	-10.0	8.5	-	-	A5000	-	-	-	1.0
130	HM	OSRAD	-	196 (206.0)	-10.0	1 MIN	-	R	A5000+	-	-	-	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.

ENTC RNP W RWY 36 (AR) - SIGNIFICANT POINTS

Name	Latitude	Longitude
OSRAD	694140.13N	0182725.65E
POCKE	693920.69N	0182617.24E
TC006	694748.32N	0185047.17E
TC007	694815.14N	0184509.28E
TC017	693736.47N	0184616.68E
TC527	694314.79N	0185639.19E
TC528	694707.07N	0185917.19E
TC529	695044.76N	0185245.15E
TC530	695111.58N	0184707.30E
TC531	694927.34N	0183708.40E
TC555	693706.23N	0185232.65E
TC556	693535.71N	0184906.36E
TC557	693542.86N	0184250.34E
TC558	693651.96N	0183736.69E

CHANGES: TC017, TC555, TC556, TC557, TC558