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AIP Supplement for Estonia

eAIP ESTONIA

AIRAC
AIP Lisa / *AIP SUP*
07/2020
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UFN
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Lennart Meri Tallinna lennuvälja ajutiste helikopteri RNP lähenemis- ja SID protseduuride testimine

1 Üldine

See peatükk täiendab järgmist AIP-i osa: AD 2 EETN.

See AIRAC AIP Lisa sisaldab ajutisi RNP lähenemis- ja SID protseduure helikopteritele, mida testitakse Lennart Meri Tallinna lennuvälja rajale 08/26.

2 Periood

Testlende teostatakse ajavahemikul **13. august 2020 kuni 27. august 2020 EST**.

3 RNP lähenemis- ja SID protseduuride testimine

Testlendude eesmärk on veenduda, et lähenemis- ja SID protseduurid on kasutatavad ja ohutud lendamiseks.

Ajutiste RNP lähenemis- ja SID protseduuride ja testlende on lubatud teostada ainult PPA Lennusalga volitatud ettevõttel protseduuride valideerimise eesmärkidel. Testimistulemused dokumenteeritakse õhusõiduki meeskonna poolt.

Protseduurid on välja töötatud vastavalt kehtivatele ICAO juhendmaterjalidele, dokumendis PANS-OPS Doc 8168, Vol II toodud Basic GNSS ja satelliidipõhise tugisüsteemi (SBAS) kriteeriumitele.

Täiendavat infot RNP protseduuridest ja SBAS seadmetest leiate ICAO juhendmaterjalidest ja dokumendist PANS-OPS Doc 8168, Vol I.

RNP protseduuride jaoks vajalik RAIM ja EGNOS info avaldatakse NOTAM-iga.

Testlende teostavate õhusõidukite pilootidel on enne RNP lähenemisprotseduuri alustamist ja kogu protseduuri kasutamise vältel kohustus veenduda, et õhusõiduki pardal on Lennart Meri Tallinna lennuväljal hetkel kehtiv QNH.

Peale testlendude edukat läbiviimist avaldatakse RNP lähenemis- ja SID protseduurid Eesti AIP-is vastavalt AIRAC tsüklile.

Flight Trials of Lennart Meri Tallinn Airport Temporary RNP Approach and SID Procedures for Helicopters

1 General

This section supplements the following portion of the AIP: AD 2 EETN.

This AIRAC AIP SUP contains temporary RNP approach and SID procedures for helicopters, which will be tested at Lennart Meri Tallinn airport RWY 08/26.

2 Period

Flight trials will take place between **13 AUG 2020 until 27 AUG 2020 EST**.

3 Flight Trials of RNP Approach and SID Procedures

The purpose of flight trials is to verify that the approach and SID procedures are usable and safe for flying.

The flight trials of temporary RNP approach and SID procedures are only allowed to be performed by companies authorised by Police and Borderguard Board Aviation Group for the purpose of validating the procedures. Trial results will be documented by flight crew.

Procedures have been designed according to current ICAO guidelines, PANS-OPS Doc 8168, Vol II for Basic GNSS and satellite-based augmentation system (SBAS) criteria.

Detailed information on RNP procedures for Basic GNSS receivers and SBAS systems can be found in the ICAO guidelines, PANS-OPS Doc 8168, Vol I.

Necessary RAIM and EGNOS information for RNP procedures will be published by NOTAM.

The aircraft pilots conducting the trial flights shall ensure the aircraft uses the latest QNH of Lennart Meri Tallinn airport before and during the RNP approach procedure.

After the successful completion of flight trials, RNP approach and SID procedures will be published in the Estonian AIP according to the AIRAC cycle.

4 Muu

Võimalikud muudatused AIRAC AIP lisale avaldatakse NOTAM-i või uue AIP lisaga.

4 Other

Possible changes to AIRAC AIP SUP will be published by NOTAM or new AIP SUP.

5 Lisad

5 Appendixes

Lisa nimetus ***Name of appendix***	**Leht** ***Page***
Instrumentaallähenemiskaart - ICAO - EETN RNP H RWY 08 *Instrument Approach Chart - ICAO - EETN RNP H RWY 08*	Lisa 1 *Appendix 1*
EETN RNP H rada 08 - kodeerimine *EETN RNP H RWY 08 - Coding*	Lisa 2 *Appendix 2*
Lõpplähenemise segmendi andmete plokk - EETN RNP H RWY 08 *Final Approach Segment Data Block - EETN RNP H RWY 08*	Lisa 3 *Appendix 3*
Instrumentaallähenemiskaart - ICAO - EETN RNP H RWY 26 *Instrument Approach Chart - ICAO - EETN RNP H RWY 26*	Lisa 4 *Appendix 4*
EETN RNP H rada 26 - kodeerimine *EETN RNP H RWY 26 - Coding*	Lisa 5 *Appendix 5*
Lõpplähenemise segmendi andmete plokk - EETN RNP H RWY 26 *Final Approach Segment Data Block - EETN RNP H RWY 26*	Lisa 6 *Appendix 6*
Standardse väljumise kaart - Instrument - ICAO - EETN RNP SID RWY 08 *Standard Departure Chart - Instrument - ICAO - EETN RNP SID RWY 08*	Lisa 7 *Appendix 7*
EETN RNP SID rada 08 - kodeerimine *EETN RNP SID RWY 08 - Coding*	Lisa 8 *Appendix 8*
Standardse väljumise kaart - Instrument - ICAO - EETN RNP SID RWY 26 *Standard Departure Chart - Instrument - ICAO - EETN RNP SID RWY 26*	Lisa 9 *Appendix 9*
EETN RNP SID rada 26 - kodeerimine *EETN RNP SID RWY 26 - Coding*	Lisa 10 *Appendix 10*

INSTRUMENT APPROACH CHART - ICAO

EGNOS
CH 98229
E08B

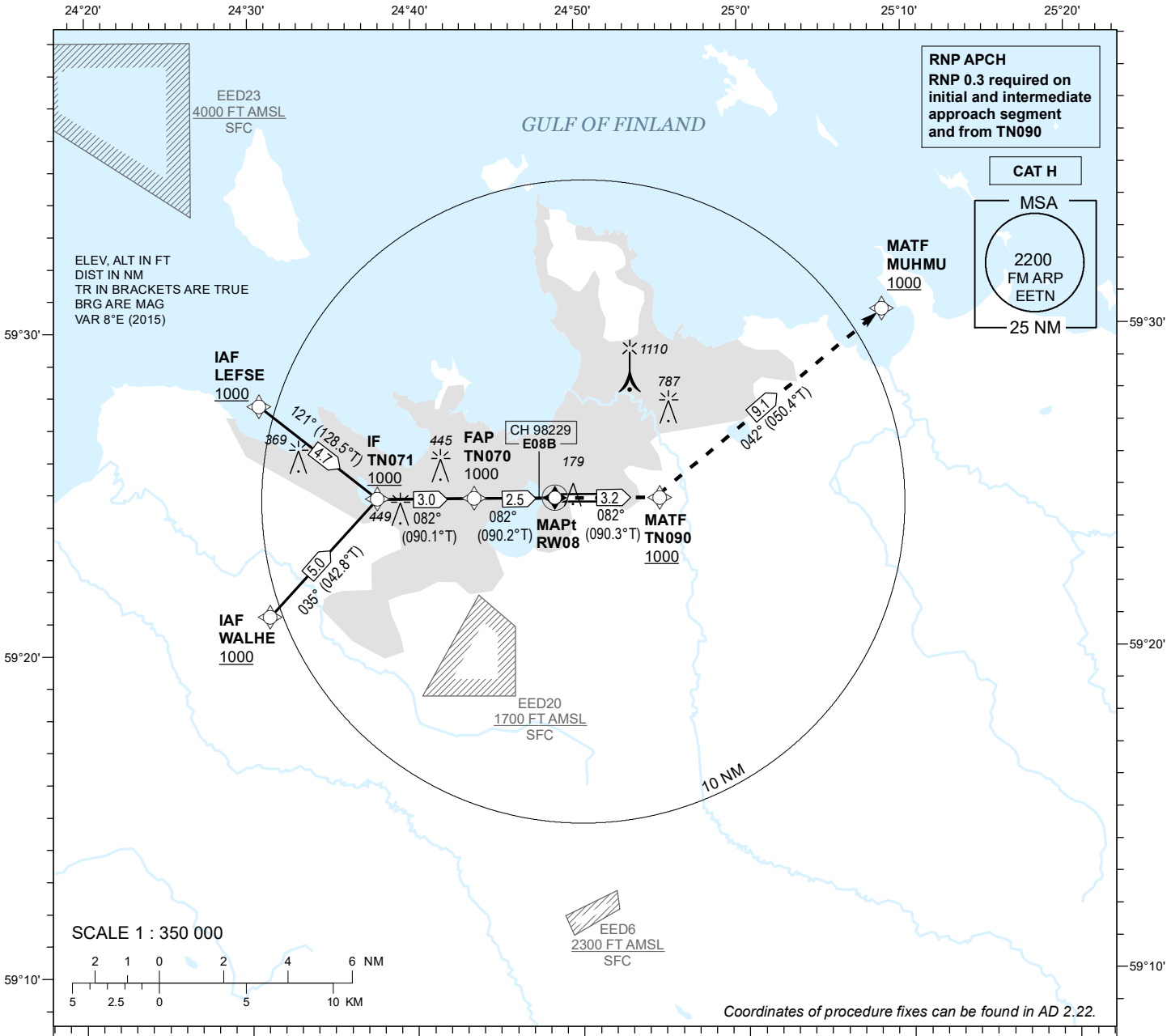
AD ELEV **135** FT
HEIGHTS RELATED TO
THR RWY 08 ELEV **130** FT

RADAR	127.905
TOWER	135.905
ATIS	124.880 / TEL: +372 625 8210

LENNART MERI TALLINN (EETN)

RNP H RWY 08

(CAT H)

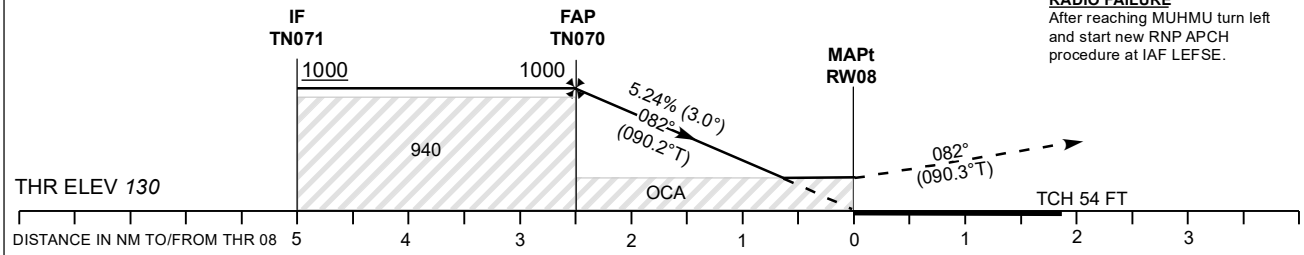


Coordinates of procedure fixes can be found in AD 2.22.

TRANSITION ALT *5000*

MISSED APPROACH
Climb to TN090 reaching 1000 FT, turn left to MUHMU and remain TWR CH 135.905.

RADIO FAILURE
After reaching MUHMU turn left and start new RNP APCH procedure at IAF LEFSE.



Timing not authorized for defining the MAPt.

ALS specially approved for Cat I RVR 550 m.

OCA (H)	CAT H
LPV Cat I	*324* (194)

Final Approach DIST	2.5 NM	2.0 NM	1.5 NM	1.0 NM	0.5 NM
ALT	980	820	660	500	340
HGT	850	690	530	370	210

	KT	60	80	100	120	140
FAP-MAPt 2.5 NM	MIN:SEC	2:32	1:54	1:32	1:16	1:06
Rate of descent	FT / MIN	310	420	530	630	740

CHANGES: New Chart.

TÜHJAKS JÄETUD
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EETN RNP H RWY 08 - coding

PROC ID	Navigation Specification	P/T	WPT name	Type	Fly-over	Course ° T	Course °MAG	Distance NM	Turn Direction	Altitude ft	MAX IAS kt
LEFSE	RNP 0.3	IF	LEFSE	IAF	-	-	-	-	-	+1000	-
		TF	TN071	IF	-	128.5	121	4.7	L	+1000	-
	RNP APCH	TF	TN070	FAP	-	090.1	082	3	-	1000	-
		TF	RW08	MAPt	Y	090.2	082	2.5	-	-	-
	RNP 0.3	TF	TN090	MATF	-	090.3	082	3.2	L	+1000	-
		TF	MUHMU	MATF	-	050.4	042	9.1	-	+1000	-

PROC ID	Navigation Specification	P/T	WPT name	Type	Fly-over	Course ° T	Course °MAG	Distance NM	Turn Direction	Altitude ft	MAX IAS kt
WALHE	RNP 0.3	IF	WALHE	IAF	-	-	-	-	-	+1000	-
		TF	TN071	IF	-	042.8	035	5.0	R	+1000	-
	RNP APCH	TF	TN070	FAP	-	090.1	082	3	-	1000	-
		TF	RW08	MAPt	Y	090.2	082	2.5	-	-	-
	RNP 0.3	TF	TN090	MATF	-	090.3	082	3.2	L	+1000	-
		TF	MUHMU	MATF	-	050.4	042	9.1	-	+1000	-

WPT name	COORDINATES
LEFSE	592743.2N 0243037.6E
MUHMU	593031.5N 0250839.5E
RW08	592447.97N 0244836.55E
TN070	592448.6N 0244339.4E
TN071	592448.9N 0243747.1E
TN090	592446.9N 0245457.0E
WALHE	592111.2N 0243111.6E

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Input data

Operation Type	0
SBAS Provider	1 (EGNOS)
Airport Identifier	EETN
Runway	08
Runway Letter	0 (None)
Approach Performance Designator	0
Route Indicator	
Reference Path Data Selector	0
Reference Path Identifier	E08B
LTP/FTP Latitude	592447.9660N
LTP/FTP Longitude	0244836.5455E
LTP/FTP Ellipsoidal Height (metres)	57.9
FPAP Latitude	592447.4140N
Delta FPAP Latitude (seconds)	-0.5520
FPAP Longitude	0245203.9640E
Delta FPAP Longitude (seconds)	207.4185
Threshold Crossing Height	54.0
TCH Units Selector	0 (feet)
Glidepath Angle (degrees)	3.00
Course Width (metres)	105.00
Length Offset (metres)	32
HAL (metres)	40.0
VAL (metres)	35.0

Output data

Data Block	10 0E 14 05 05 08 00 00 02 38 30 05 BC 57 7F 19 83 B9 A5 0A 43 16 B0 FB FF 75 54 06 1C 02 2C 01 64 04 C8 AF 10 1F 64 4C
Calculated CRC Value	101F644C

Required Additional Data

ICAO Code	EE
LTP/FTP Orthometric Height (metres)	39.6

EUROCONTROL FAS DB tool Version 3.2.0

TÜHJAKS JÄETUD
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INSTRUMENT APPROACH CHART - ICAO

EGNOS CH 85313 E26B

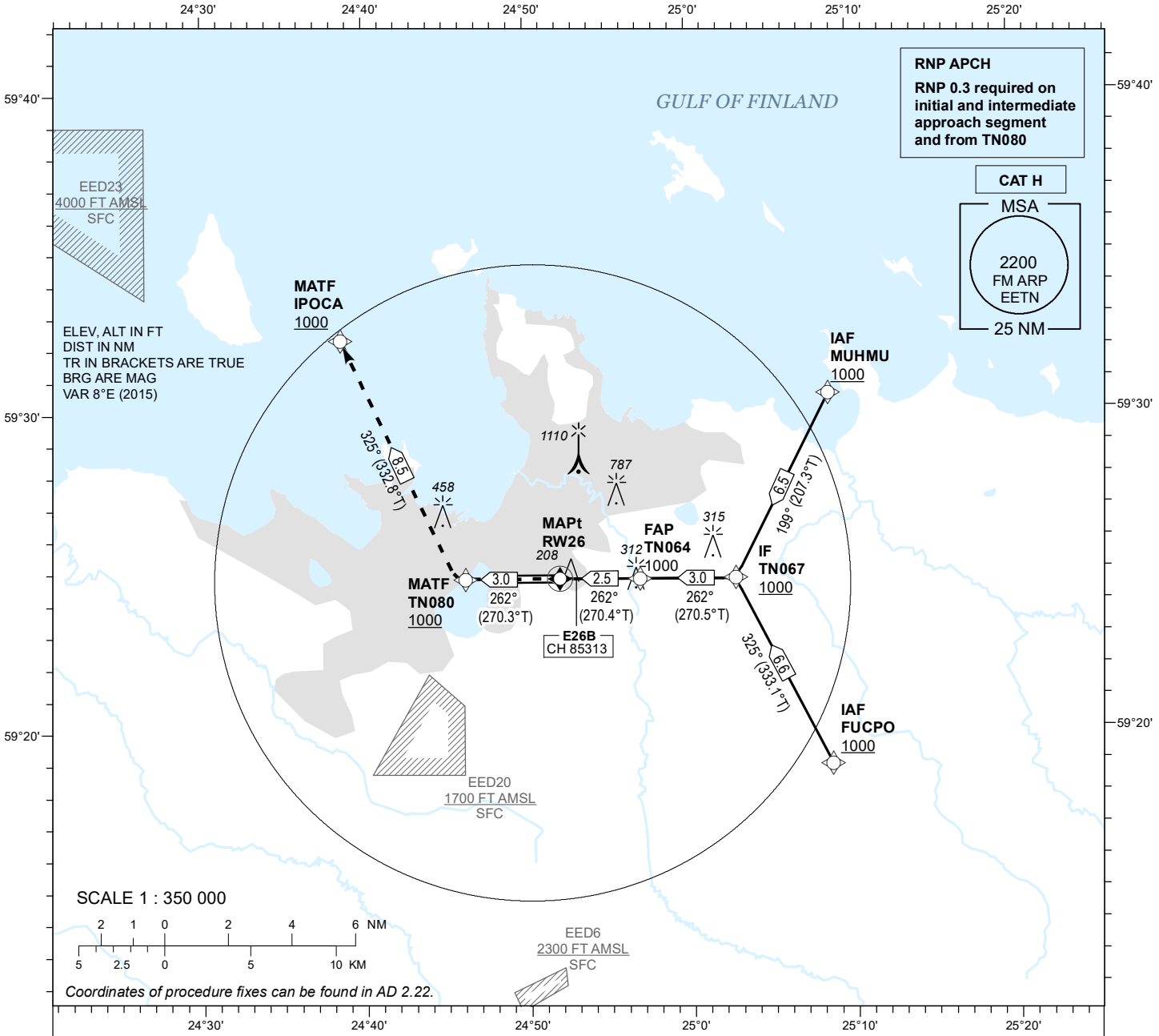
AD ELEV **135** FT
HEIGHTS RELATED TO
THR RWY 26 ELEV **135** FT

RADAR	127.905
TOWER	135.905
ATIS	124.880 / TEL: +372 625 8210

LENNART MERI TALLINN (EETN)

RNP H RWY 26

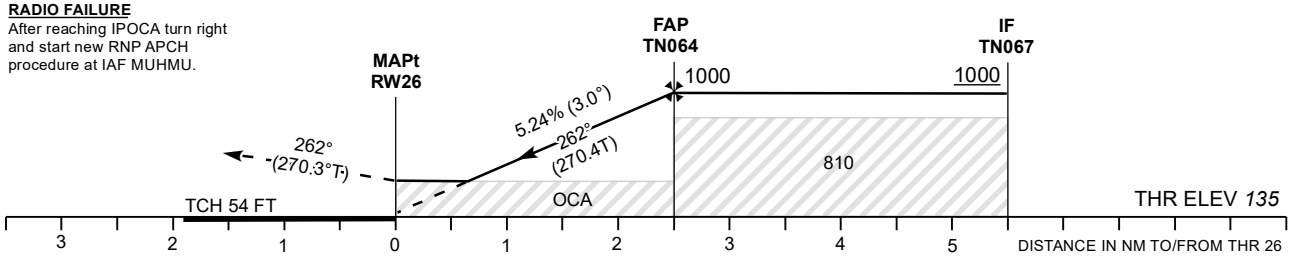
(CAT H)



TRANSITION ALT *5000*

MISSED APPROACH
Climb to TN080 reaching 1000 FT, turn right to IPOCA and remain TWR CH 135.905.

RADIO FAILURE
After reaching IPOCA turn right and start new RNP APCH procedure at IAF MUHMU.



Timing not authorized for defining the MAPt.

Final Approach DIST	0.5 NM	1.0 NM	1.5 NM	2.0 NM	2.5 NM
ELEV	350	510	670	830	990
HGT	210	370	530	690	850

	KT	60	80	100	120	140
FAP-MAPt 2.5 NM	MIN:SEC	2:31	1:54	1:31	1:16	1:05
Rate of descent	FT / MIN	310	420	530	630	740

OCA (H)	CAT H
LPV Cat I 4.2%*	*366* (231)
LPV Cat I 4.5%*	*335* (200)

* MNM MISSED APCH CLIMB GRADIENT

CHANGES: New Chart.

TÜHJAKS JÄETUD
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EETN RNP H RWY 26 - coding

PROC ID	Navigation Specification	P/T	WPT name	Type	Fly-over	Course ° T	Course °MAG	Distance NM	Turn Direction	Altitude ft	MAX IAS kt
MUHMU	RNP 0.3	IF	MUHMU	IAF	-	-	-	-	-	+1000	-
		TF	TN067	IF	-	207.3	199	6.5	R	+1000	-
	RNP APCH	TF	TN064	FAP	-	270.5	262	3.0	-	1000	-
		TF	RW26	MAPt	Y	270.4	262	2.5	-	-	-
	RNP 0.3	TF	TN080	MATF	-	270.3	262	3.0	R	+1000	-
		TF	IPOCA	MATF	-	332.8	325	8.5	-	+1000	-

PROC ID	Navigation Specification	P/T	WPT name	Type	Fly-over	Course ° T	Course °MAG	Distance NM	Turn Direction	Altitude ft	MAX IAS kt
FUCPO	RNP 0.3	IF	FUCPO	IAF	-	-	-	-	-	+1000	-
		TF	TN067	IF	-	333.1	325	6.6	L	+1000	-
	RNP APCH	TF	TN064	FAP	-	270.5	262	3.0	-	1000	-
		TF	RW26	MAPt	Y	270.4	262	2.5	-	-	-
	RNP 0.3	TF	TN080	MATF	-	270.3	262	3.0	R	+1000	-
		TF	IPOCA	MATF	-	332.8	325	8.5	-	+1000	-

WPT name	COORDINATES
FUCPO	591854.2N 0250839.3E
IPOCA	593218.5N 0243836.7E
MUHMU	593031.5N 0250839.5E
RW26	592447.42N 0245201.95E
TN064	592446.5N 0245657.3E
TN067	592445.2N 250249.5E
TN080	592448.2N 0244612.5E

TÜHJAKS JÄETUD
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Input data

Operation Type	0
SBAS Provider	1 (EGNOS)
Airport Identifier	EETN
Runway	26
Runway Letter	0 (None)
Approach Performance Designator	0
Route Indicator	
Reference Path Data Selector	0
Reference Path Identifier	E26B
LTP/FTP Latitude	592447.4200N
LTP/FTP Longitude	0245201.9500E
LTP/FTP Ellipsoidal Height (metres)	59.3
FPAP Latitude	592448.0000N
Delta FPAP Latitude (seconds)	0.5800
FPAP Longitude	0244821.3400E
Delta FPAP Longitude (seconds)	-220.6100
Threshold Crossing Height	54.0
TCH Units Selector	0 (feet)
Glidepath Angle (degrees)	3.00
Course Width (metres)	105.00
Length Offset (metres)	0
HAL (metres)	40.0
VAL (metres)	35.0

Output data

Data Block	10 0E 14 05 05 1A 00 00 02 36 32 05 78 53 7F 19 3C FE AB 0A 51 16 88 04 00 7C 44 F9 1C 02 2C 01 64 00 C8 AF 0B C3 F1 49
Calculated CRC Value	0BC3F149

Required Additional Data

ICAO Code	EE
LTP/FTP Orthometric Height (metres)	41.1

EUROCONTROL FAS DB tool Version 3.2.0

TÜHJAKS JÄETUD
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STANDARD DEPARTURE CHART INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
5000

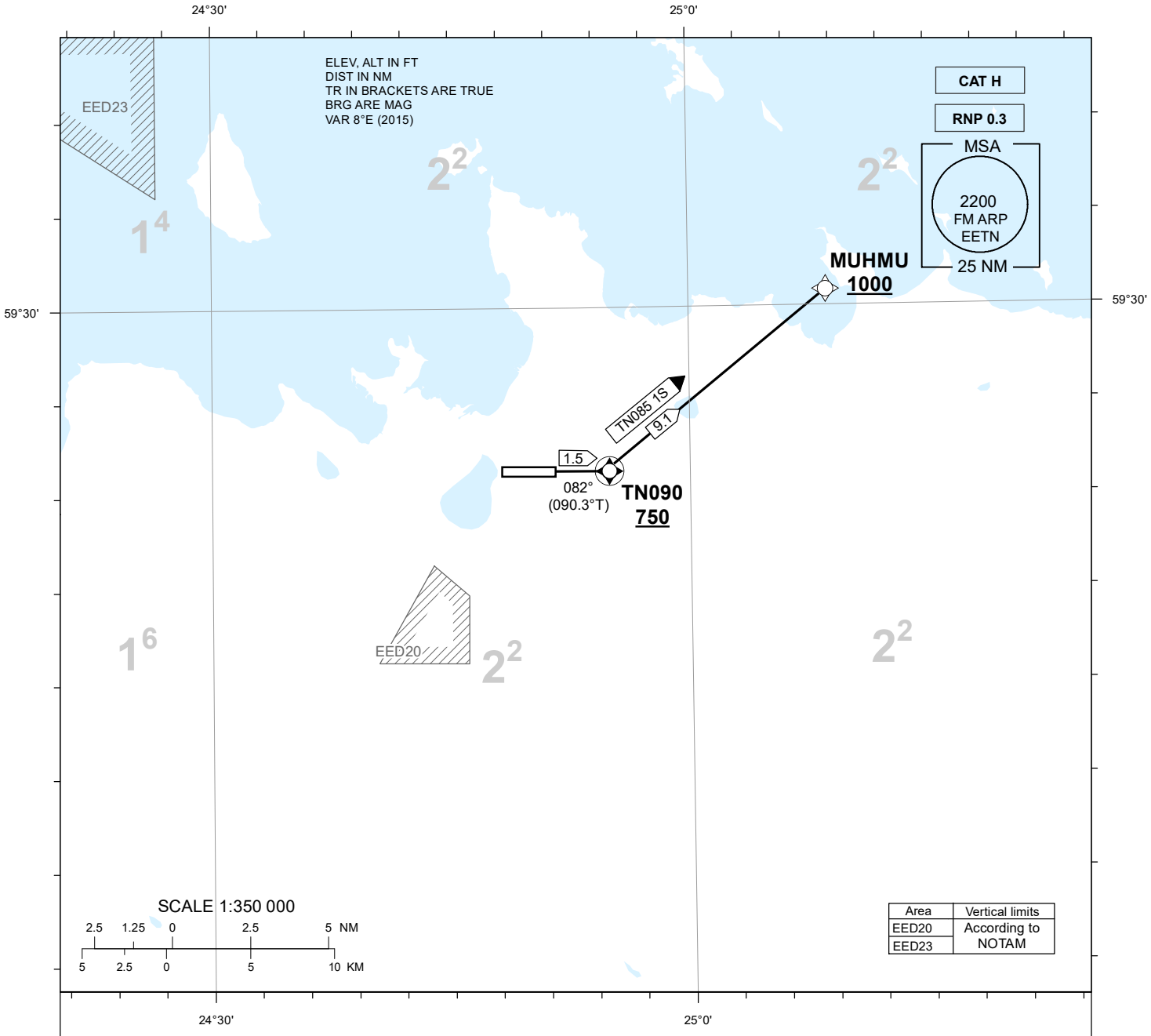
TOWER	135.905
RADAR	127.905
ATIS	124.880 / TEL: +372 625 8210

LENNART MERI TALLINN (EETN)

RNP SID RWY 08

(CAT H)

MUHMU 1S



NAV SPECIFICATION

RNP 0.3 CAPABILITY REQUIRED. OTHERWISE INFORM ATC.

EN-ROUTE CLEARANCE

CONTACT TALLINN TWR ON CH 135.905 NOT EARLIER THAN 10 MINUTES PRIOR TO EOBT OR ESTIMATED ENGINE START-UP, ADVISE CALL SIGN, STAND/GATE NUMBER AND IF NOT ABLE TO FOLLOW RNP SID.

CODING TABLES AND WPT LIST: REF AD 2.22.

SQUAWK

SQUAWK THE ASSIGNED SSR-CODE IMMEDIATELY PRIOR PUSH-BACK OR TAXI.

INITIAL CLIMB

MNM CLIMB GRADIENT 6,6% (400 FT/NM) UP TO 750 FT MSL. AIRCRAFT UNABLE TO COMPLY SHALL INFORM ATC.

RADIO CONTACT

AFTER TAKE-OFF REMAIN TALLINN TOWER 135.905.

CHANGES: New Chart.

TÜHJAKS JÄETUD
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RNP SID EETN RWY 08 - Coding

PROC ID	Navigation specification	P/ T	WPT name	Flyover	Course ° T	Course ° MAG	Distance NM	Turn direction	Altitude	Speed limit
MUHMU 1S	RNP 0.3	CF	TN090	Y	090.3	082	1.5	Left	+750	–
		TF	MUHMU	–	050.4	042	9.1	-	+1000	–

RNP SID EETN RWY 08 – Waypoint List

WPT name	COORDINATES
MUHMU	593031.5N 0250839.5E
TN090	592446.9N 0245457.0E

TÜHJAKS JÄETUD
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STANDARD DEPARTURE CHART INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
5000

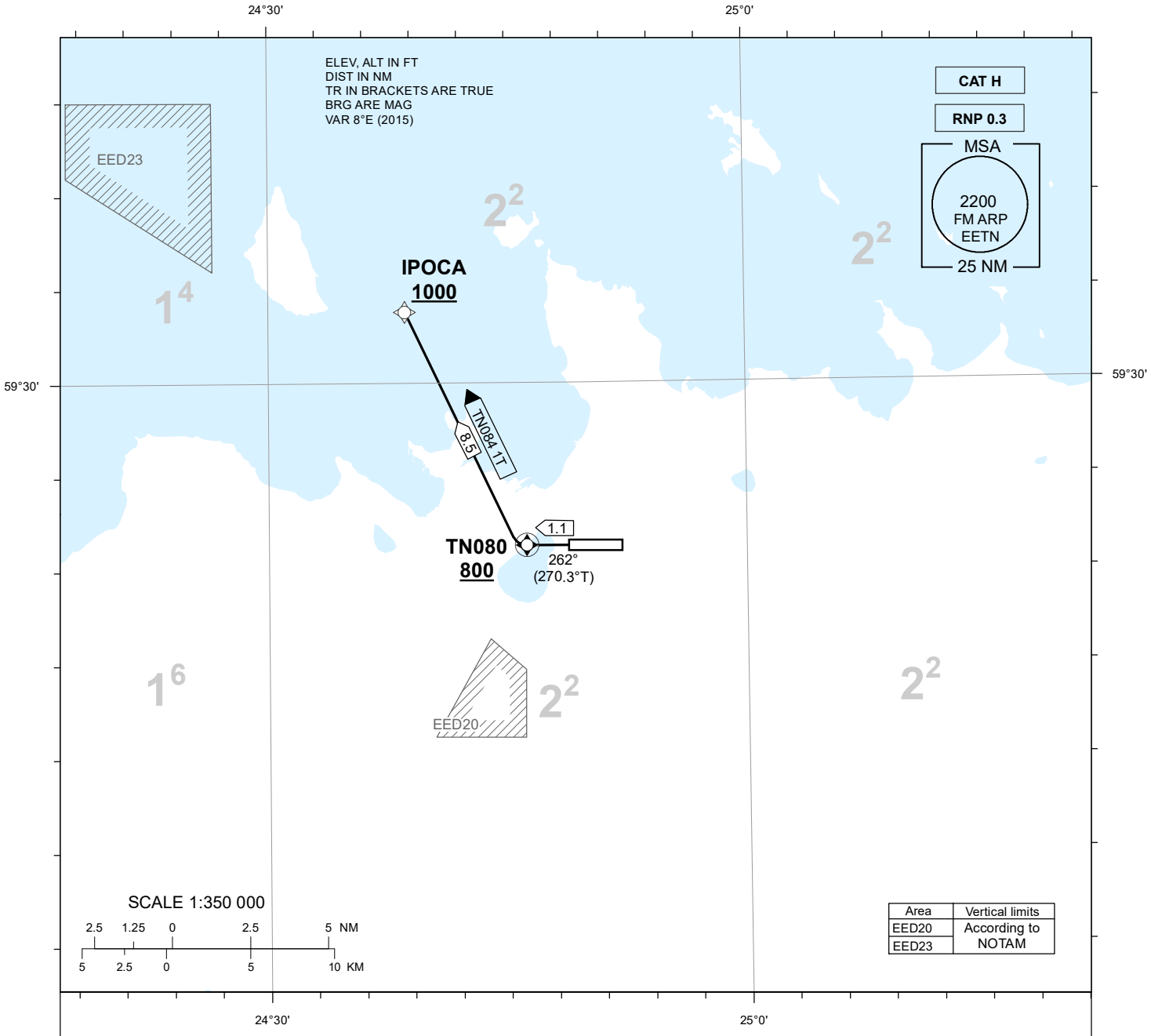
TOWER	135.905
RADAR	127.905
ATIS	124.880 / TEL: +372 625 8210

LENNART MERI TALLINN (EETN)

RNP SID RWY 26

(CAT H)

IPOCA 1T



NAV SPECIFICATION

RNP 0.3 CAPABILITY REQUIRED. OTHERWISE INFORM ATC.

EN-ROUTE CLEARANCE

CONTACT TALLINN TWR ON CH 135.905 NOT EARLIER THAN 10 MINUTES PRIOR TO EOBT OR ESTIMATED ENGINE START-UP, ADVISE CALL SIGN, STAND/GATE NUMBER AND IF NOT ABLE TO FOLLOW RNP SID.

CODING TABLES AND WPT LIST: REF AD 2.22.

SQUAWK

SQUAWK THE ASSIGNED SSR-CODE IMMEDIATELY PRIOR PUSH-BACK OR TAXI.

INITIAL CLIMB

MNM CLIMB GRADIENT 9,8% (600 FT/NM) UP TO 800 FT MSL. AIRCRAFT UNABLE TO COMPLY SHALL INFORM ATC.

RADIO CONTACT

AFTER TAKE-OFF REMAIN TALLINN TOWER 135.905.

CHANGES: New Chart.

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RNP SID EETN RWY 26 - Coding

PROC ID	Navigation specification	P/ T	WPT name	Flyover	Course ° T	Course ° MAG	Distance NM	Turn direction	Altitude	Speed limit
IPOCA 1T	RNP 0.3	CF	TN080	Y	270.3	262	1.1	Right	+800	–
		TF	IPOCA	–	332.8	325	8.5	-	+1000	–

RNP SID EETN RWY 26 – Waypoint List

WPT name	COORDINATES
TN080	592448.2N 0244612.5E
IPOCA	593218.5N 0243836.7E

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