

## GENERAL

## Operational Hours

ATS Hours / AD ADMIN Hours: H24

## Airport Information

RFF: CAT 7

PCN: RWY 07/25: 45/R/D/W/T

## Operation

## Low Visibility Procedure

LVP in force when RVR below 600m (VIS falls below 800m) or ceiling is below 200ft.

During LVP, taxiing is restricted to one movement at a time.

Taxiing on APN only by follow-me.

## TWY Restriction

TWY A MAX weight below 5.7t / 12566lbs.

## Standard Taxi Routes

Instruction given by ATC					TWY to be followed
Arrival on		Name of the Standard Taxi Route			
RWY 07 (CAT II ACFT turn around in turning bay THR 25)	Taxi via standard taxi route	Arrival 07	To	stand number 1-4	TWY B to stands 1-4

Instruction given by ATC					TWY to be followed
Departure from		Name of the Standard Taxi Route			
Stand number 1-4	Taxi via standard taxi route	Departure	To holding position	B	RWY 07 TWY B turn left taxi to end of RWY and line-up THR 07
					RWY 25 TWY B turn right taxi to end of RWY and line-up THR 25

## Warnings

Birds in vicinity of AD.

**ARRIVAL****Speed**

MAX IAS 210KT within CTRs and below FL100.

**Communication**

**COM Failure:** See separate header "COM Failure Arrival" below.

**Arrival Procedure****Non-standard GP intercept position on RWY 07**

GP intercepts RWY 07 at 314m / 1030ft after landing threshold.

Remaining LDG DIST beyond GP is 1686m / 5531ft.

**DEPARTURE****Take-off Minima**

RWY		07/25	
All ACFT	ft - m/km	0 - 150R	-

**Speed**

MAX IAS 210KT within CTRs and below FL100.

**Communication**

**COM Failure:** See separate header "COM Failure Departure" below.

**Departure Procedure**

**Noise Abatement Procedure:** ICAO Standard TKOF PROC NADP 1 or NADP 2.

**De-Icing**

AVBL.

**COM Failure Arrival****RWY 07/25****AKUPO 1G, ATSOS 1G, DOKUD 1G, EDETA 1G, IBINU 1G, LARMU 1G, MOBRA 1G****RWY 07****AKUPO 1V, ATSOS 1V, DOKUD 1V, EDETA 1V, IBINU 1V, LARMU 1V, MOBRA 1V**

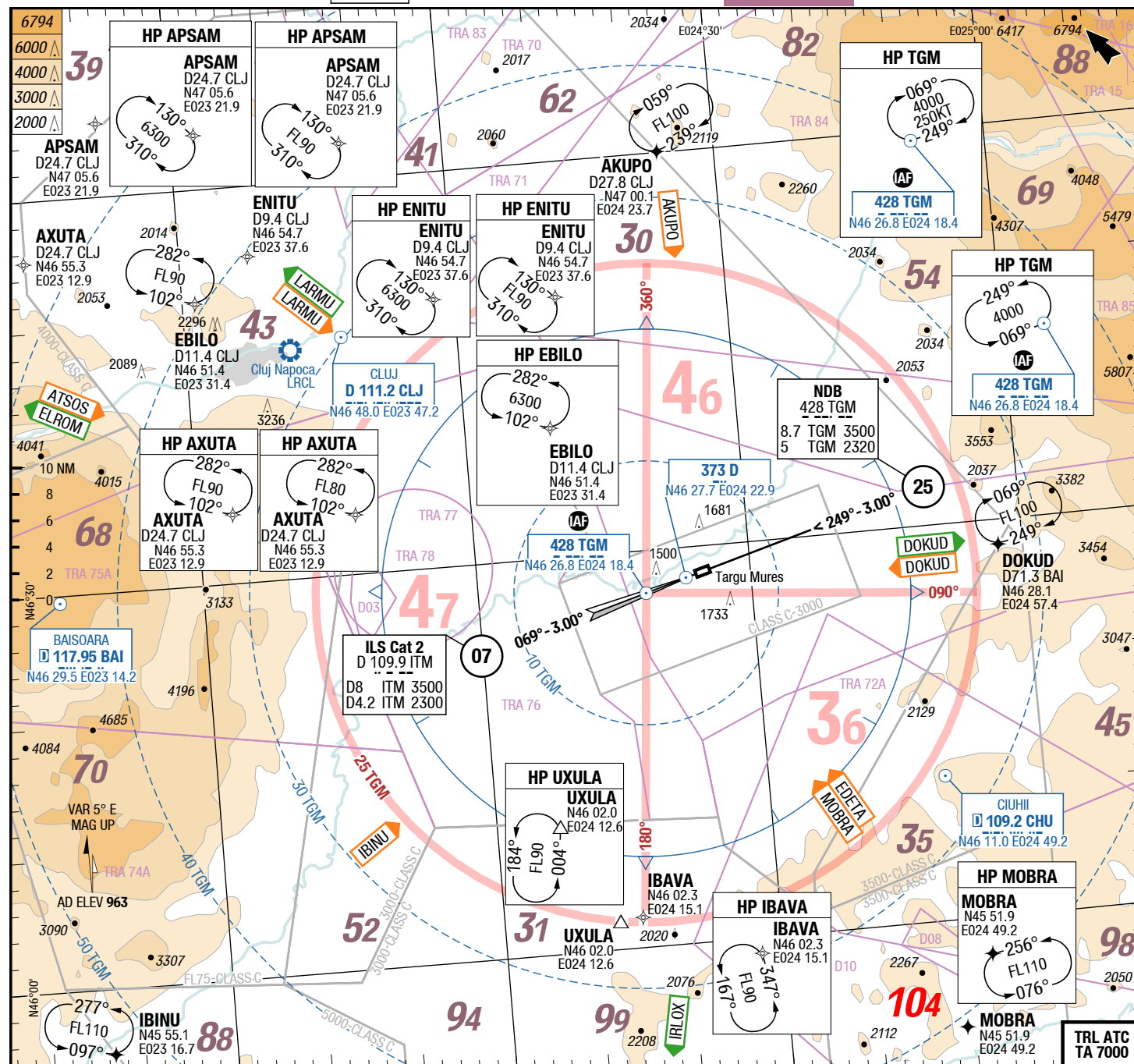
- If RWY in use received: Proceed according to assigned or designated STAR, otherwise proceed according to the FPL STAR. Descend in accordance with vertical restrictions specified on the respective IAC. Descend below the last cleared FL for at least 2min from setting code 7600.
- If DCT routing was initiated: Continue to assigned point and last cleared FL for 2min, then continue on STAR, or if no STAR received proceed DCT to TGM NDB. At TGM NDB proceed IAP for RWY 07. Descend in accordance with Minimum Radar Vectoring Altitude (MRVA) until assigned point and thereafter in accordance with vertical restrictions specified on the respective IAC. Descend below last cleared FL for at least 2min from setting code 7600.
- If vectoring was initiated: Continue on assigned heading and last cleared FL for 2min, then proceed DCT to TGM NDB. If last cleared FL is lower than MRVA climb immediately to MRVA. At TGM NDB proceed IAP for RWY 07. Descend in accordance with MRVA until TGM NDB and thereafter in accordance with vertical restrictions specified on the respective IAC. Descend below last cleared FL for at least 2min from setting code 7600.
- In case of MISAP: From TGM NDB proceed IAP for RWY 07. If necessary to change RWY, proceed IAP for RWY 25. Descend in accordance with vertical restrictions specified on the respective IAC.

**RWY 25****AKUPO 1Y, ATSOS 1Y, DOKUD 1Y, EDETA 1Y, IBINU 1Y, LARMU 1Y, MOBRA 1Y**

- If RWY in use received: Proceed according to assigned or designated STAR, otherwise proceed according to the FPL STAR. Descend in accordance with vertical restrictions specified on the respective IAC. Descend below the last cleared FL for at least 2min from setting code 7600.
- If DCT routing was initiated: Continue to assigned point and last cleared FL for 2min, then continue on STAR, or if no STAR received proceed DCT to TGM NDB. At TGM NDB proceed IAP for RWY 25. Descend in accordance with Minimum Radar Vectoring Altitude (MRVA) until assigned point and thereafter in accordance with vertical restrictions specified on the respective IAC. Descend below last cleared FL for at least 2min from setting code 7600.
- If vectoring was initiated: Continue on assigned heading and last cleared FL for 2min, then proceed DCT to TGM NDB. If last cleared FL is lower than MRVA climb immediately to MRVA. At TGM NDB proceed IAP for RWY 25. Descend in accordance with MRVA until TGM NDB and thereafter in accordance with vertical restrictions specified on the respective IAC. Descend below last cleared FL for at least 2min from setting code 7600.
- In case of MISAP: From TGM NDB proceed IAP for RWY 25. If necessary to change RWY, proceed IAP for RWY 07. Descend in accordance with vertical restrictions specified on the respective IAC.

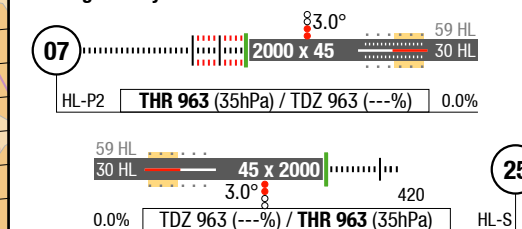
**COM Failure Departure****RWY 07/25****DOKUD 1B/1D/1L/1N, ELROM 1B/1D/1L/1N, IRL0X 1B/1D/1L/1N, LARMU 1B/1D/1L/1N**

- Continue on assigned SID and cleared FL. If cleared FL is lower than FL110, after 2min climb FL110. Climb in accordance with vertical restrictions specified on the SID. 7min from setting code 7600 climb to flight planned FL.
- If being vectored, continue on assigned heading for 2min, then proceed DCT to last SID point and cleared FL. If cleared FL is lower than Minimum Radar Vectoring Altitude (MRVA), climb immediately to MRVA. If cleared FL is lower than FL110, after 2min, climb to FL110. Climb in accordance with the MRVA. 7min from setting code 7600 climb to flight planned FL.



ATIS	125.950
Napoc APP	126.425
Napoc North APP	126.425
	127.275
Napoc South APP	119.675
	127.275
TWR	120.325

**Landing RWY system:**



Effective 10-NOV-2016

03-NOV-2016

TGM-LRTM

Romania Targu Mures Transilvania - Targu Mures

AGC

AGC

AGC

Transilvania - Targu Mures Targu Mures Romania

AGC

3-20

ATIS 125.950  
TWR 120.325

RWY	TORA	ASDA	TODA
07	2000	2000	2275
25	2000	2000	2240

ARP  
N 46 28.1  
E 024 24.8

2000 x 45

25

249°  
963

APRON 2

APRON 1

TERMINAL

① Taxilane restricted to MAX  
wingspan 15m/50ft

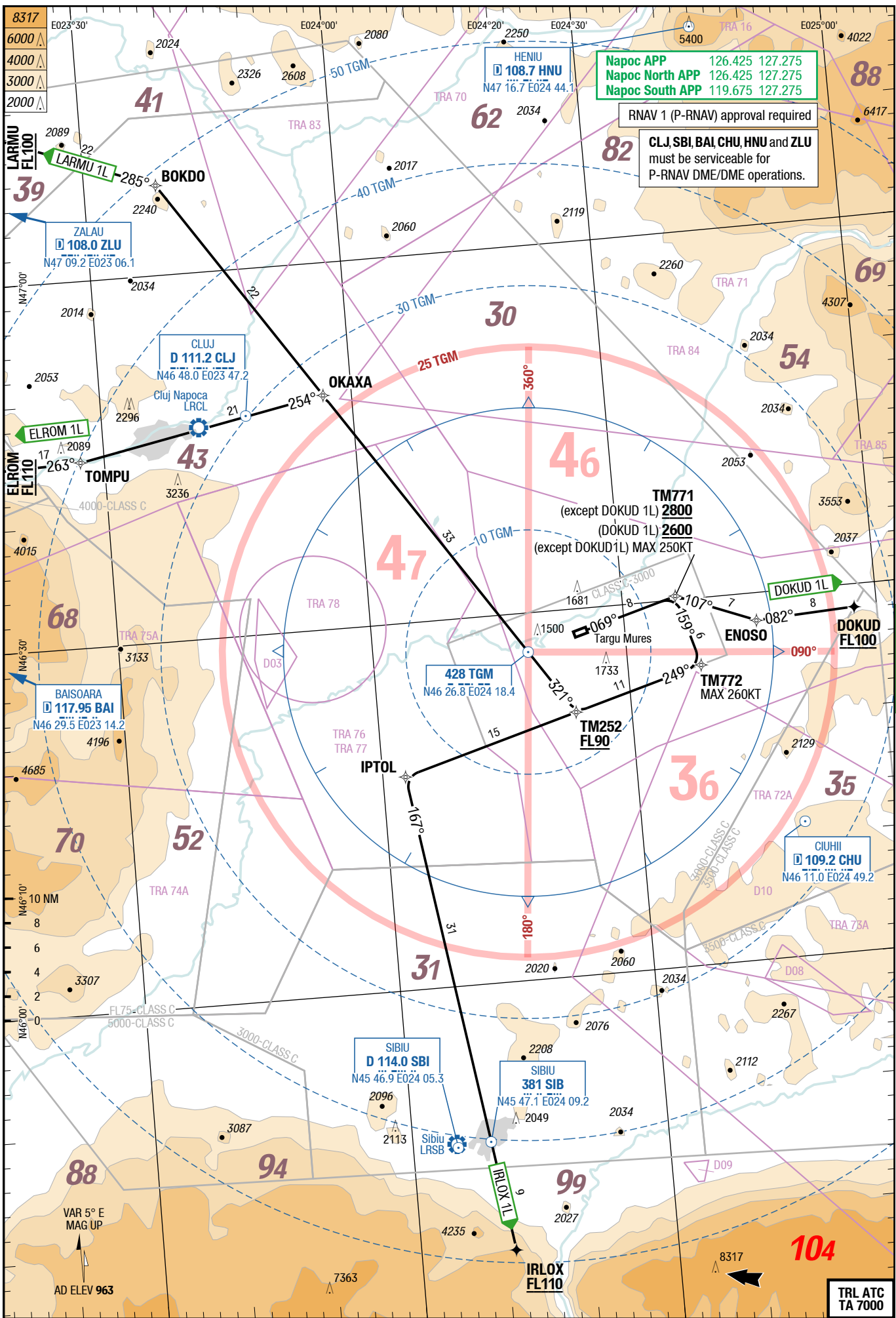
COORDINATES

1, 2 N46 28.1 E024 25.6  
3-6 N46 28.1 E024 25.5  
7, 8 N46 28.1 E024 25.4  
9 N46 28.1 E024 25.3

VAR 5° E  
MAG UP  
AD ELEV 963

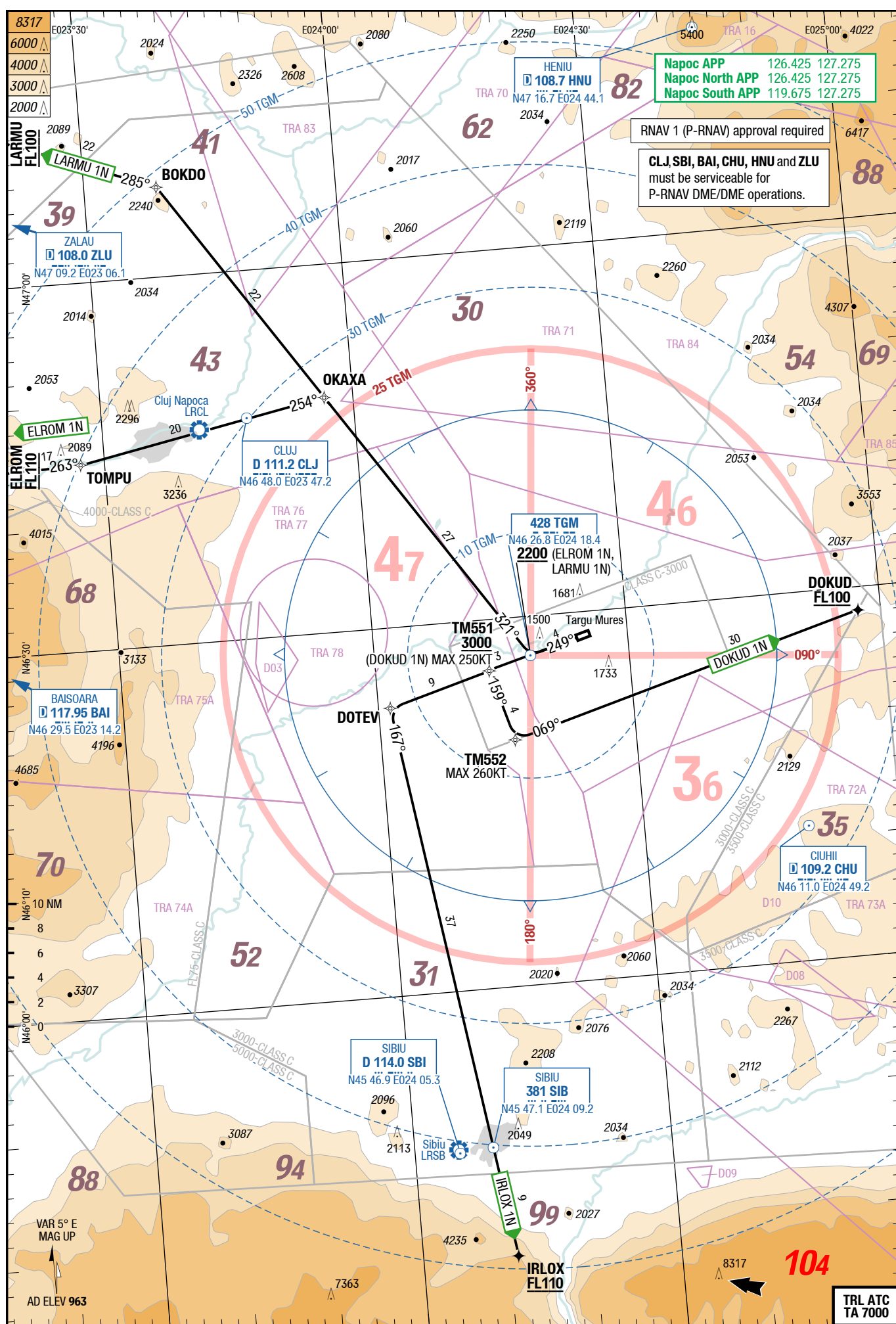
m 0 250 500  
ft 0 500 1000 1500

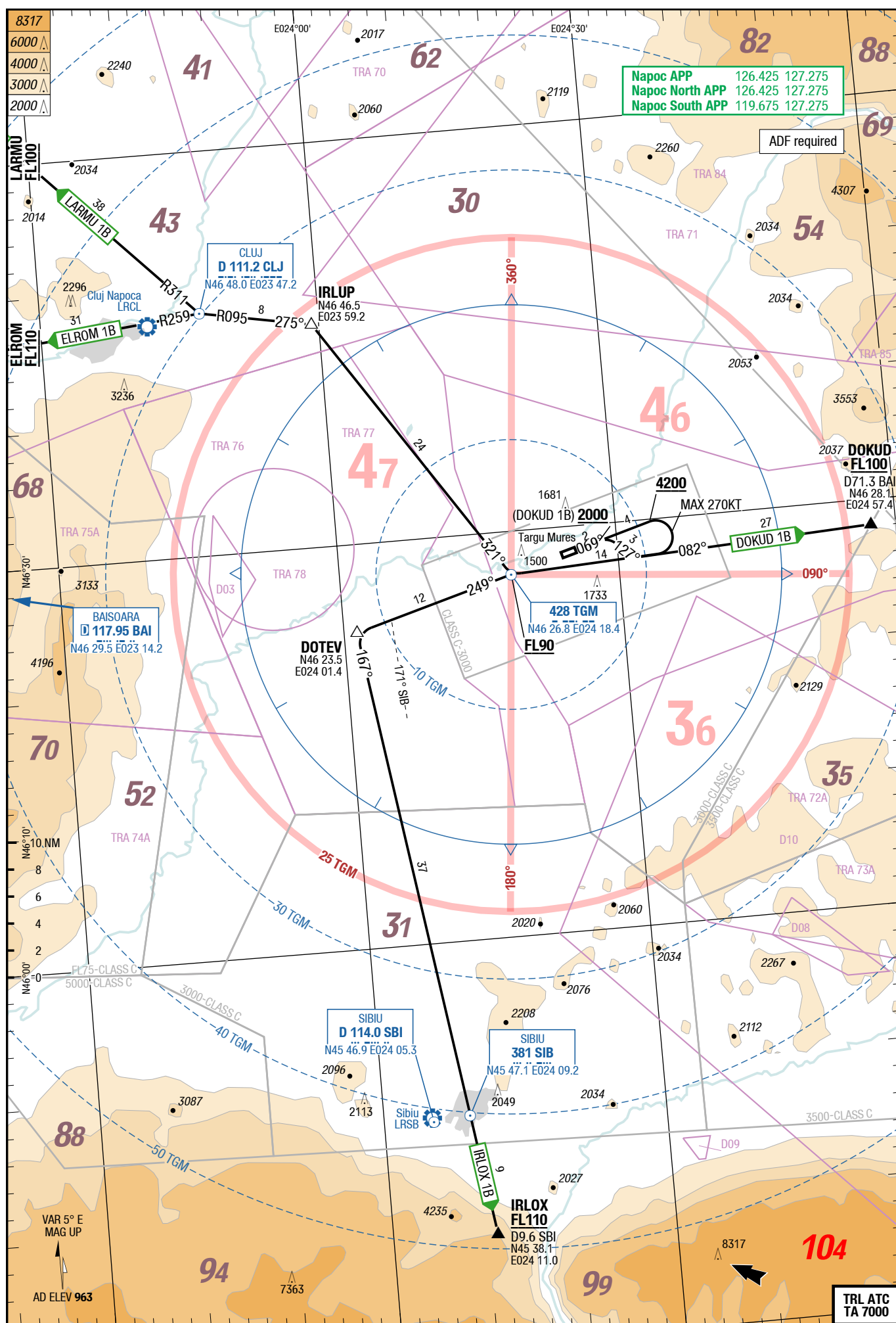
Changes: VAR, QFU



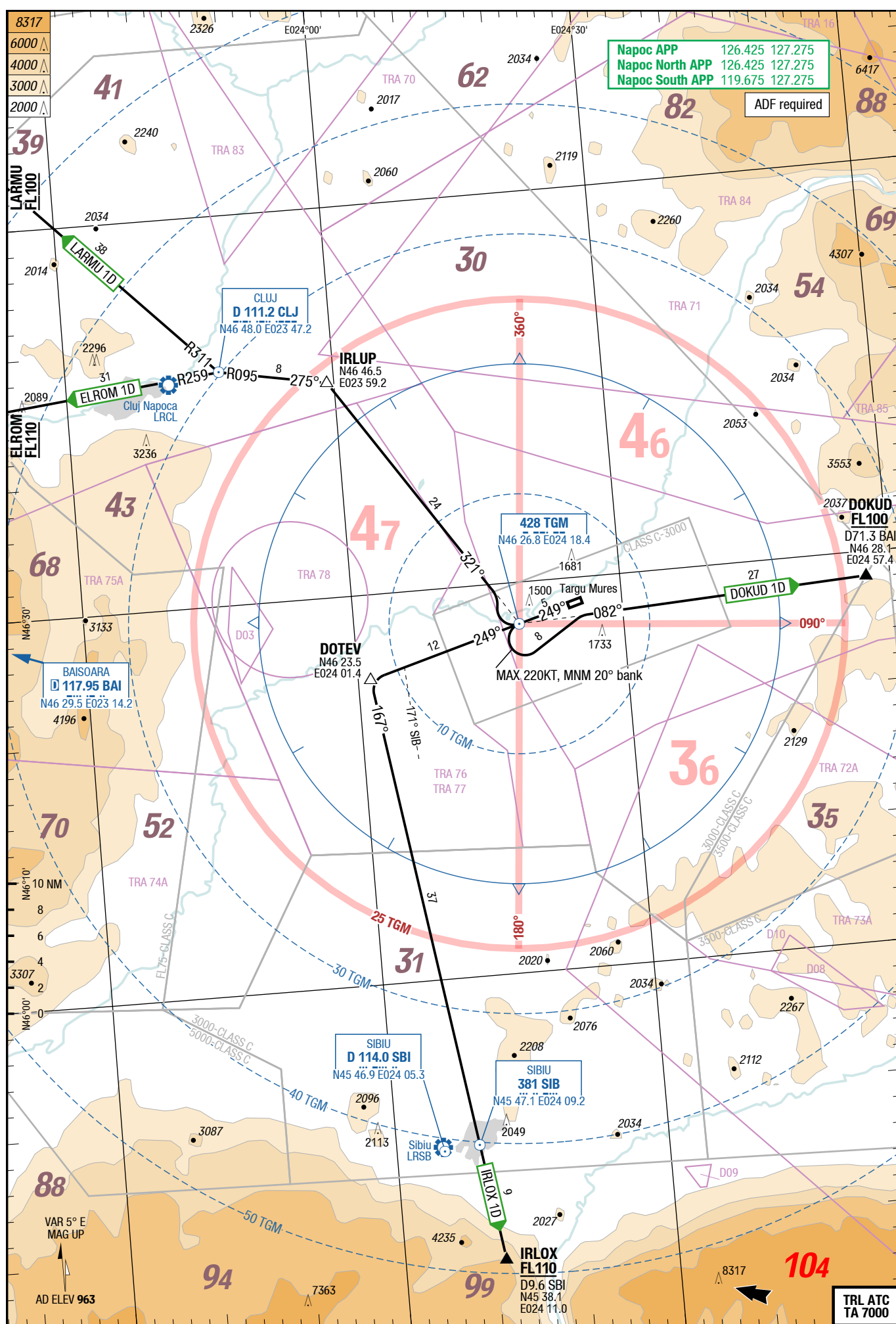
Changes: new











## TGM-LRTM

5-10

## RNAV SIDs RWY 07

## DOKUD 1L / ELROM 1L / IRLOX 1L / LARMU 1L

RWY 07 (069°)

	GS	120	150	180	210	240	270
3.5%	ft/MIN	500	600	700	800	900	1000
4.3%	ft/MIN	600	700	800	1000	1100	1200
6.5%	ft/MIN	800	1000	1200	1400	1600	1800
6.7%	ft/MIN	900	1100	1300	1500	1700	1900

DESIGNATOR	ROUTING	ALTITUDES
	<b>Runway 07</b>	
<b>DOKUD 1L</b> 6.7% to DOKUD 3.5% to TM771 <b>126.425 (N)</b> <b>119.675 (S)</b> ①③	TM771 - ENOSO - DOKUD	TM771 MNM <b>2600</b> DOKUD MNM <b>FL100</b>
<b>ELROM 1L</b> 6.7% to TM252 4.3% to TM771 <b>126.425 (N)</b> <b>119.675 (S)</b> ①③	TM771 [K250-] - TM772 [K260-] - TM252 - OKAXA - TOMPU - ELROM	TM771 MNM <b>2800</b> TM252 MNM <b>FL90</b> ELROM MNM <b>FL110</b>
<b>IRLOX 1L</b> 6.5% to TM252 4.3% to TM771 <b>126.425 (N)</b> <b>119.675 (S)</b> ②③	TM771 [K250-] - TM772 [K260-] - TM252 - IPTOL - SIB - IRLOX	TM771 MNM <b>2800</b> TM252 MNM <b>FL90</b> IRLOX MNM <b>FL110</b>
<b>LARMU 1L</b> 6.7% to TM252 4.3% to TM771 <b>126.425 (N)</b> <b>119.675 (S)</b> ①③	TM771 [K250-] - TM772 [K260-] - TM252 - OKAXA - BOKDO - LARMU	TM771 MNM <b>2800</b> TM252 MNM <b>FL90</b> LARMU MNM <b>FL100</b>

- ① Climb gradient 6.7% due to ASP  
 ② Climb gradient 6.5% due to ASP  
 ③ If unable to comply, contact ATC before departure

Changes: New

## TGM-LRTM

5-20

## RNAV SIDs RWY 25

## DOKUD 1N / ELROM 1N / IRLOX 1N / LARMU 1N

RWY 25 (249°)

	GS	120	150	180	210	240	270
3.8%	ft/MIN	500	600	700	900	1000	1100
4.2%	ft/MIN	600	700	800	900	1100	1200
4.9%	ft/MIN	600	800	900	1100	1200	1400
5.0%	ft/MIN	700	800	1000	1100	1300	1400

DESIGNATOR	ROUTING	ALTITUDES
	<b>Runway 25</b>	
<b>DOKUD 1N</b> 5.0% to TM551 3.8% to DOKUD <b>126.425 (N)</b> <b>119.675 (S)</b> ①②	TM551 [K250-] - TM552 [K260-] - DOKUD	TM551 MNM <b>3000</b> DOKUD MNM <b>FL100</b>
<b>ELROM 1N</b> 4.9% to TGM <b>126.425 (N)</b> <b>119.675 (S)</b> ②	TGM - OKAXA - TOMPU - ELROM	TGM MNM <b>2200</b> ELROM MNM <b>FL110</b>
<b>IRLOX 1N</b> 4.2% to TM551 <b>126.425 (N)</b> <b>119.675 (S)</b> ②	TM551 - DOTEV - SIB - IRLOX	TM551 MNM <b>3000</b> IRLOX MNM <b>FL110</b>
<b>LARMU 1N</b> 4.9% to TGM <b>126.425 (N)</b> <b>119.675 (S)</b> ②	TGM - OKAXA - BOKDO - LARMU	TGM MNM <b>2200</b> LARMU MNM <b>FL100</b>

① Climb gradient 3.8% due to ASP

② If unable to comply, contact ATC before departure

## TGM-LRTM

5-30

## SIDs RWY 07

## DOKUD 1B / ELROM 1B / IRLOX 1B / LARMU 1B

RWY 07 (069°)

	GS	120	150	180	210	240	270
3.4%	ft/MIN	500	600	700	800	900	1000
3.5%	ft/MIN	500	600	700	800	900	1000
5.0%	ft/MIN	700	800	1000	1100	1300	1400
6.8%	ft/MIN	900	1100	1300	1500	1700	1900

DESIGNATOR	ROUTING	ALTITUDES
	<b>Runway 07</b>	
<b>DOKUD 1B</b> 6.8% to DOKUD 3.5% to 2000 <b>126.425 (N)</b> <b>119.675 (S)</b> ①③	at MNM 2000 RT 127° - intercept QDR 082 <b>TGM</b> to DOKUD	DOKUD MNM FL100
<b>ELROM 1B</b> 5.0% to TGM 3.4% to 2000 <b>126.425 (N)</b> <b>119.675 (S)</b> ②③	at MNM 4200 RT (MAX 270KT) direct <b>TGM</b> - QDR 321 <b>TGM</b> - at IRLUP LT intercept R095 <b>CLJ</b> to <b>CLJ</b> - R259 <b>CLJ</b> to ELROM	<b>TGM MNM FL90</b> ELROM MNM FL110
<b>IRLOX 1B</b> 5.0% to TGM 3.4% to 2000 <b>126.425 (N)</b> <b>119.675 (S)</b> ②③	at MNM 4200 RT (MAX 270KT) direct <b>TGM</b> - QDR 249 <b>TGM</b> - crossing QDM 171 <b>SIB</b> LT intercept QDM 167 <b>SIB</b> to <b>SIB</b> - QDR 167 <b>SIB</b> to IRLOX	<b>TGM MNM FL90</b> IRLOX MNM FL110
<b>LARMU 1B</b> 5.0% to TGM 3.4% to 2000 <b>126.425 (N)</b> <b>119.675 (S)</b> ②③	at MNM 4200 RT (MAX 270KT) direct <b>TGM</b> - QDR 321 <b>TGM</b> - at IRLUP LT intercept R095 <b>CLJ</b> to <b>CLJ</b> - R311 <b>CLJ</b> to LARMU	<b>TGM MNM FL90</b> LARMU MNM FL100

- ① Climb gradient 6.8% due to ASP  
 ② Climb gradient 5.0% due to ASP  
 ③ If unable to comply, contact ATC before departure.

## TGM-LRTM

5-40

## SIDs RWY 25

## DOKUD 1D / ELROM 1D / IRLOX 1D / LARMU 1D

RWY 25 (249°)

	GS	120	150	180	210	240	270
4.2%	ft/MIN	600	700	800	900	1100	1200
4.9%	ft/MIN	600	800	900	1100	1200	1400

DESIGNATOR	ROUTING	ALTITUDES
	Runway 25	
<b>DOKUD 1D</b> 4.2% to TGM 4.9% to DOKUD <b>126.425 (N)</b> <b>119.675 (S)</b> ①②	at <b>TGM LT</b> (MAX 220KT, MNM 20° bank) intercept QDR 082 <b>TGM</b> to DOKUD	DOKUD MNM <b>FL100</b>
<b>ELROM 1D</b> 4.2% to TGM <b>126.425 (N)</b> <b>119.675 (S)</b> ①	direct <b>TGM</b> - QDR 321 <b>TGM</b> - at IRLUP <b>LT</b> intercept R095 <b>CLJ</b> to <b>CLJ</b> - R259 <b>CLJ</b> to ELROM	ELROM MNM <b>FL110</b>
<b>IRLOX 1D</b> 4.2% to TGM <b>126.425 (N)</b> <b>119.675 (S)</b> ①	direct <b>TGM</b> - QDR 249 <b>TGM</b> - crossing QDM 171 <b>SIB LT</b> intercept QDM 167 <b>SIB</b> to <b>SIB</b> - QDR 167 <b>SIB</b> to IRLOX	IRLOX MNM <b>FL110</b>
<b>LARMU 1D</b> 4.2% to TGM <b>126.425 (N)</b> <b>119.675 (S)</b> ①	direct <b>TGM</b> - QDR 321 <b>TGM</b> - at IRLUP <b>LT</b> intercept R095 <b>CLJ</b> to <b>CLJ</b> - R311 <b>CLJ</b> to LARMU	LARMU MNM <b>FL100</b>

① If unable to comply, contact ATC before departure.

② Climb gradient 4.9% due to ASP

03-NOV-2016

Romania **Targu Mures** Transilvania - Targu Mures

RNAV STARs RWY 25

# STAR

# STAR

Transilvania - Targu Mures **Targu Mures** Romania

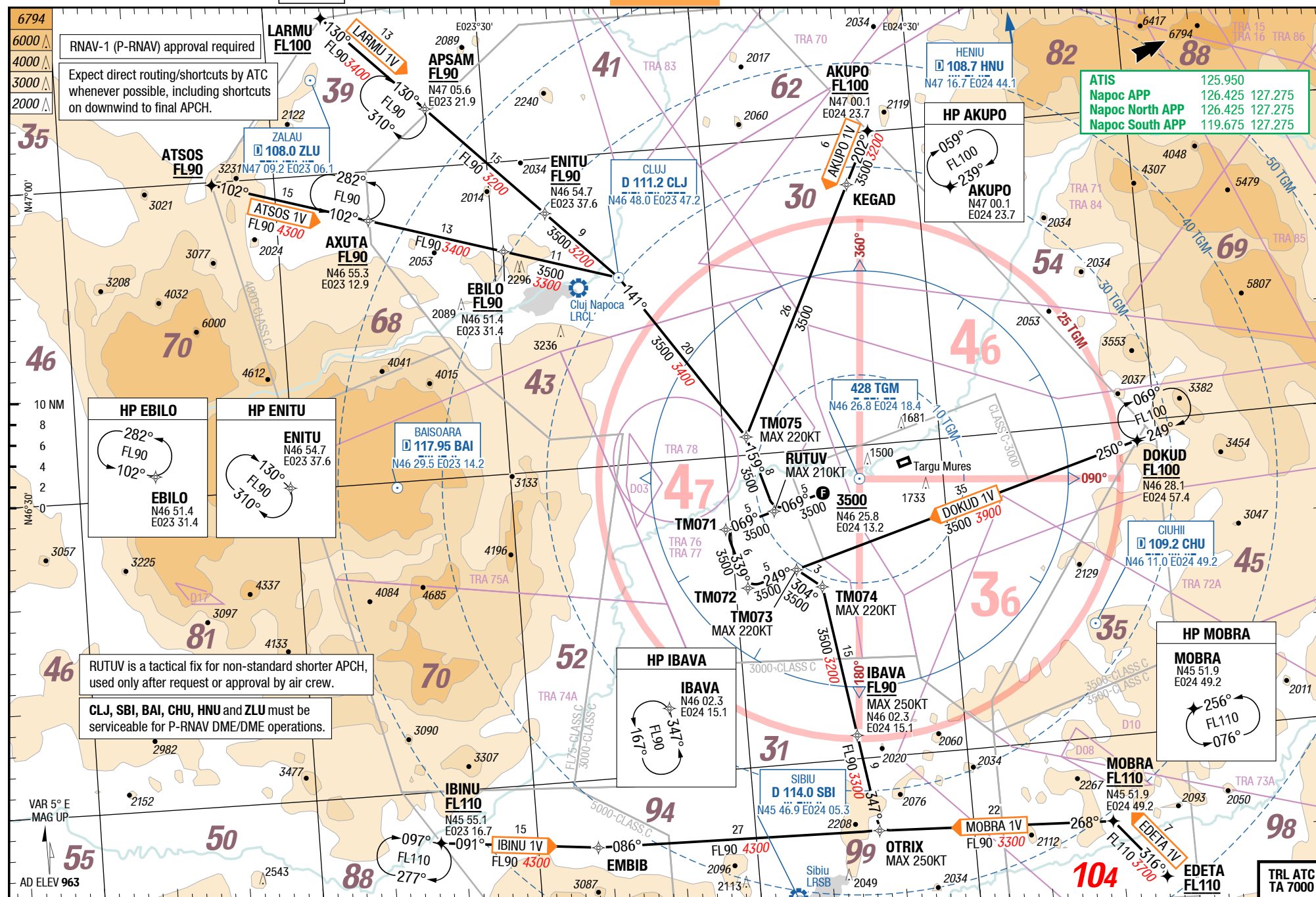
RNAV STARs RWY 25

## TGM-LRTM

6-10

## RNAV STARs RWY 07

## RNAV STARs RWY 07



Changes: new

© Lido 2016



## RNAV STARs RWY 25



Effective 10-NOV-2016

03-NOV-2016

TGM-LRTM

Romania Targu Mures Transilvania - Targu Mures

NIL

STAR

STAR

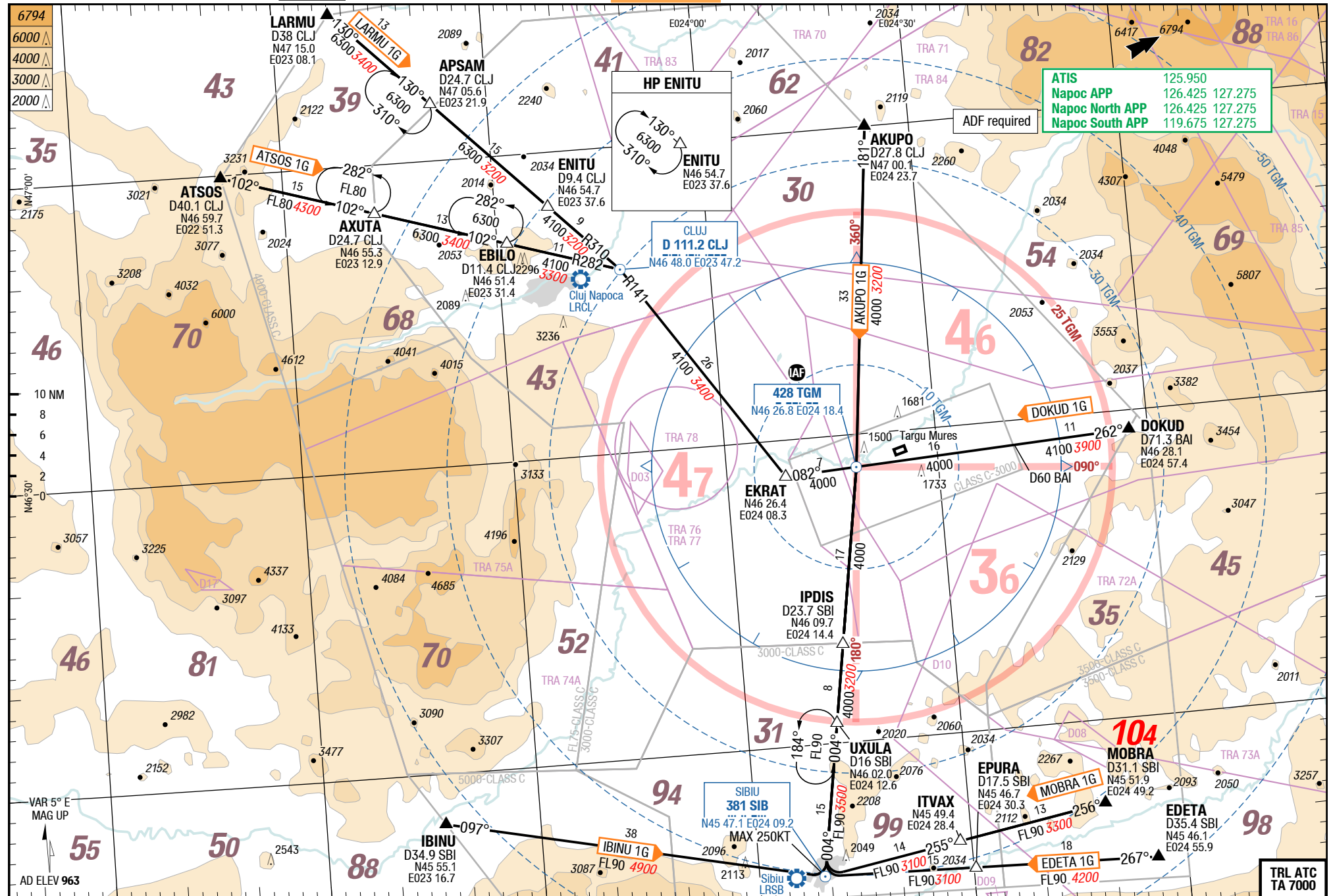
Transilvania - Targu Mures Targu Mures Romania

NIL

STARs RWY 07/25

6-30

STARs RWY 07/25

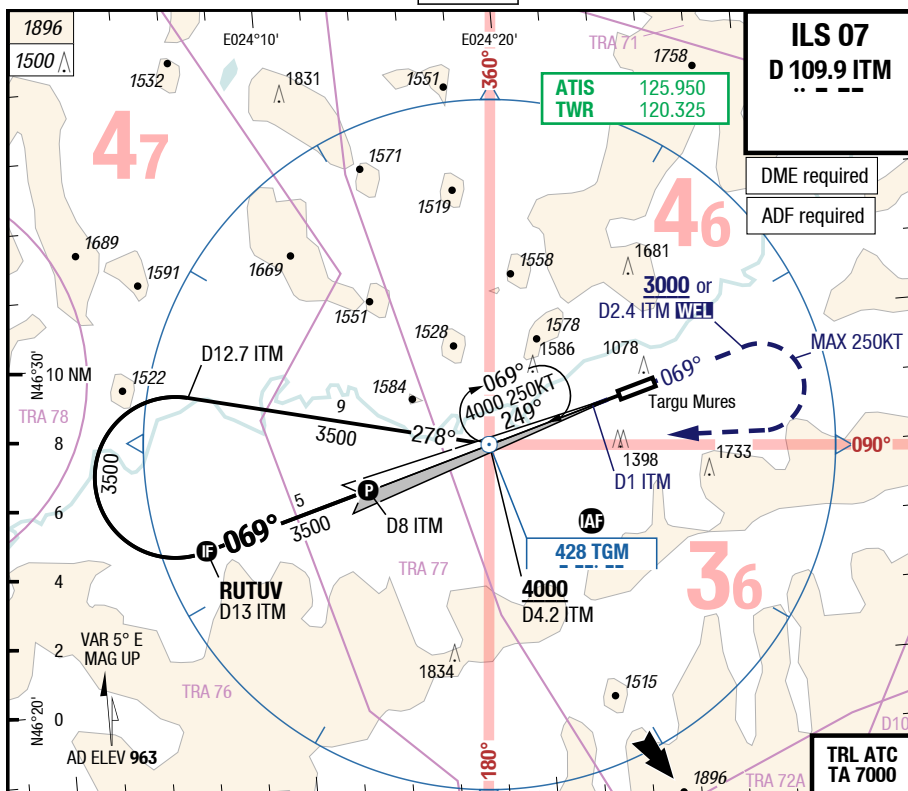


Changes: new

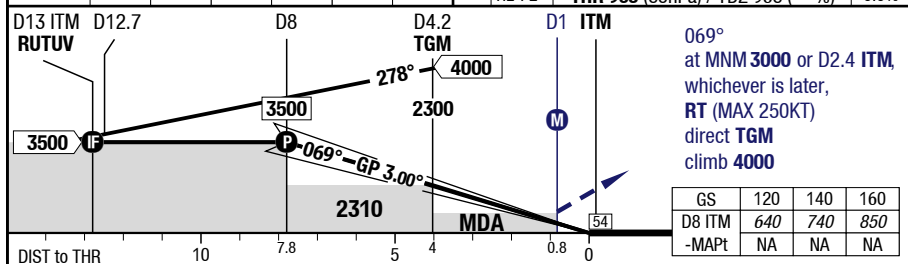
## TGM-LRTM

**7-10**

**ILS 07**



LOC 3.00° D ITM	8	6	5	4	3	2	
	3500	2880	2560	2240	1920	1600	



07		Cat 2 DME	Cat 1 DME <sup>1)</sup>	LOC DME		Circling S of AD only
C	ft - m/km ft	100 - 350R <b>96 RA</b>	200 - 550 <b>1170</b>	540 - 1.7 <b>1500</b>		1240 - 2.4V <b>2200</b>
D	ft - m/km ft	100 - 350R <b>96 RA</b>	200 - 550 <b>1170</b>	540 - 1.7 <b>1500</b>		1340 - 3.6V <b>2300</b>

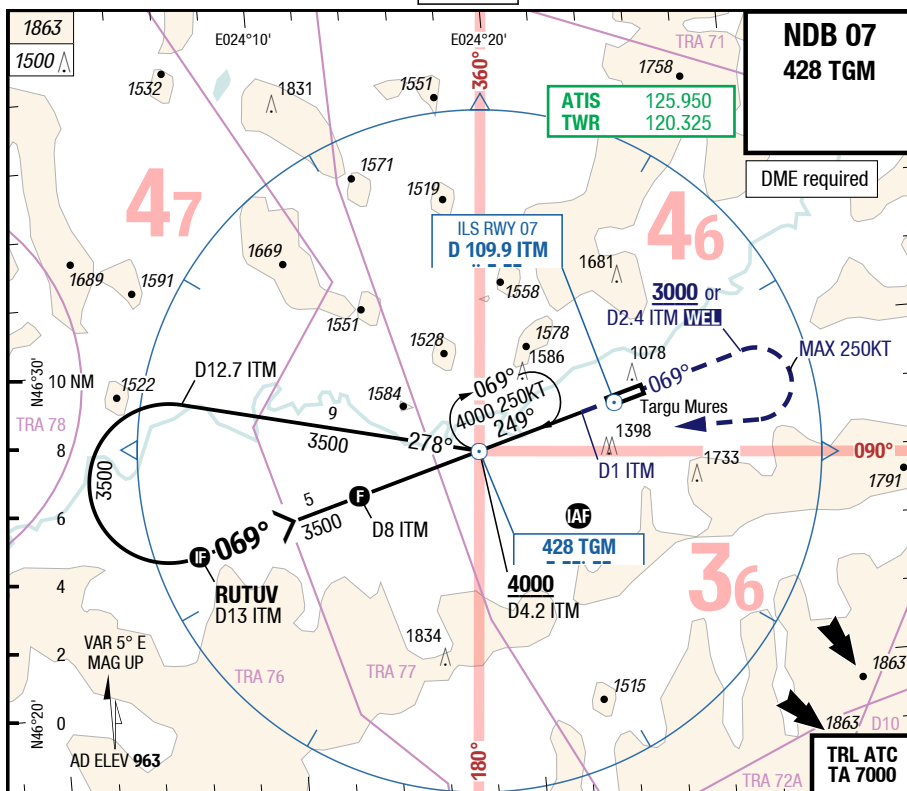
1) With EVS 350m

Changes: Completely revised

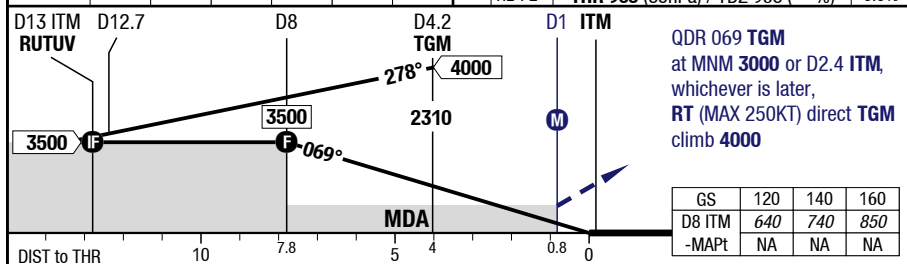
## TGM-LRTM

7-30

**NDB 07**



3.00° <b>D ITM</b>	8	7	6	5	4	3	
	3500	3200	2880	2560	2240	1920	



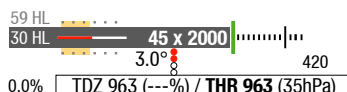
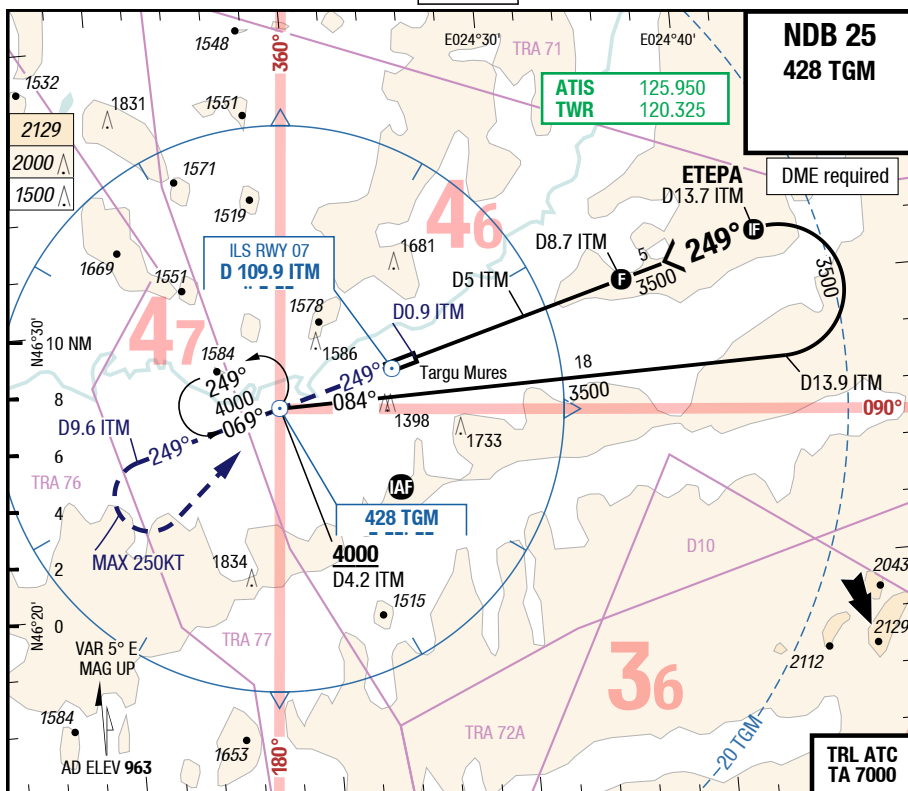
<b>07</b>		<b>NDB DME</b> FTM				<b>Circling</b> S of AD only
C	ft - m/km ft	760 - 2.4 <b>1720</b>				1240 - 2.4V <b>2200</b>
D	ft - m/km ft	760 - 2.4 <b>1720</b>				1340 - 3.6V <b>2300</b>



## TGM-LRTM

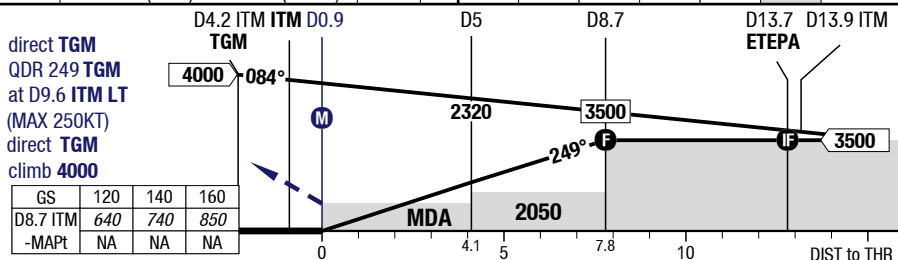
**7-40**

## NDB 25



25

4	6	7	8	8.7		3.00° D ITM
2010	2650	2960	3280	3500		



<b>25</b>		<b>NDB DME</b> FTM				<b>Circling</b> S of AD only
C	ft - m/km ft	770 - 2.4 <b>1730</b>				1240 - 2.4V <b>2200</b>
D	ft - m/km ft	770 - 2.4 <b>1730</b>				1340 - 3.6V <b>2300</b>

