

GENERAL**Operational Hours****ATS Hours / AD OPS Hours:** H24**AD ADMIN Hours:** MON-FRI 0630-1500‡**Night Restriction:** No SKED flights from 2100-0400‡. Except: ALTN LDG, EMERG**Airport Information****RFF:** CAT 8**PCN:** RWY 09/27: 70/F/B/X/T**Operation****Preferential RWY**

TKOF RWY 09

LDG RWY 27

Transponder Mode S

Select assigned transponder Mode A and activate S, set to AUTO if technically AVBL;

- from push-back or taxi whichever comes earlier
- after LDG, continuously until fully parked on stand.
- when fully parked on stand, select STBY.

Select ACFT identification feature or ACFT registration, before activating transponder.

Low Visibility Procedure

LVP in force when RVR is below 550m and/or height of cloud base below 200ft.

Surface Movement Guidance and Control System (SMGCS) in use when LVP activated.

HLDG point TWY C, E and F not AVBL during LVP.

Report "RWY vacated" after leaving the relevant HLDG point.

Follow-me is mandatory for stands 4, 4A, 4B, 5, 6, 11, 12A-16A, 29A-33A and 34.

Follow-me is AVBL for TWY and/or APN TWY without CLL.

TWY Restrictions

TWY C (between TWY J and TWY H) and Q width 18m / 59ft.

TWY D and S width 15m / 49ft.

TWY T, U, V, W width 10.5m / 34ft.

TWY A, B, C (between TWY H and RWY), E, H (between TWY A and RWY), J, K, L, M AVBL up to code letter E ACFT .

TWY N (between TWY B and R, and TWY P and J), P AVBL up to code letter D ACFT.

TWY C (between TWY N and H), D, N (between TWY R and P), R, S AVBL up to code letter C ACFT.

TWY E is a one-way rapid exit TWY.

TWY D is used only to cross RWY.

TWY Q CLSD.

TWY N CLSD between TWY H and TWY B.

TWY H CLSD between TWY N and TWY A.

Taxi/Parking

Stand 4, 4A, 4B, 5, 6, 11, 12A-16A, 29A-34A: Follow-me/Marshaller provided.

Stand 1-3, 7-10: Airbridges and visual docking guidance system AVBL.

GENERAL

Other stands: follow-me/marshaller AVBL O/R.

Taxing on APN must be done with engines on idle.

Engine Run-up Areas

ENG run-ups higher than idle PWR at ENG run-up bay only.

ENG run-ups prohibited between 2100-0400‡

Warnings

Do not mistake RWY 09/27 with TWY H.

Do not overfly populated areas of Sofia city.

Birds in vicinity of AD.

ARRIVAL**Speed**

MAX IAS 250KT below FL100 within TMA.

Arrival Procedure**Arrival Note**

Unless otherwise specified via ATIS:

ACFT with reported inability to perform RNAV-1 operations will be cleared ILS Y final APCH, all other ACFT will be cleared ILS Z final APCH to the relevant RWY.

| **Reverse:** Between 2100-0400‡ the use of idle reverse thrust after LDG is advised, safety permitting.

DEPARTURE**Take-off Minima**

RWY		27	
All ACFT	ft - m/km	0 - 75R	-
RWY		09	
All ACFT	ft - m/km	0 - 125R	-

Departure Procedure**Start-up/Push-back**

For start-up/push-back CLR contact TWR stating the following information:

- Callsign and ACFT type
- ACFT stand number
- ATIS acknowledged
- intention to carry out a de-icing if needed.

Minimum Runway Occupancy Time (MROT)

Ensure standard MROT procedure.

Intersection TKOF

| Intersection TKOF is not permitted from RWY 27 between 2100-0400‡.

Noise Abatement Procedures

| Use ICAO standard NADP 1, if not possible due to operational reasons, use ICAO standard NADP 2.

De-Icing

AVBL.

Effective 16-AUG-2018

09-AUG-2018

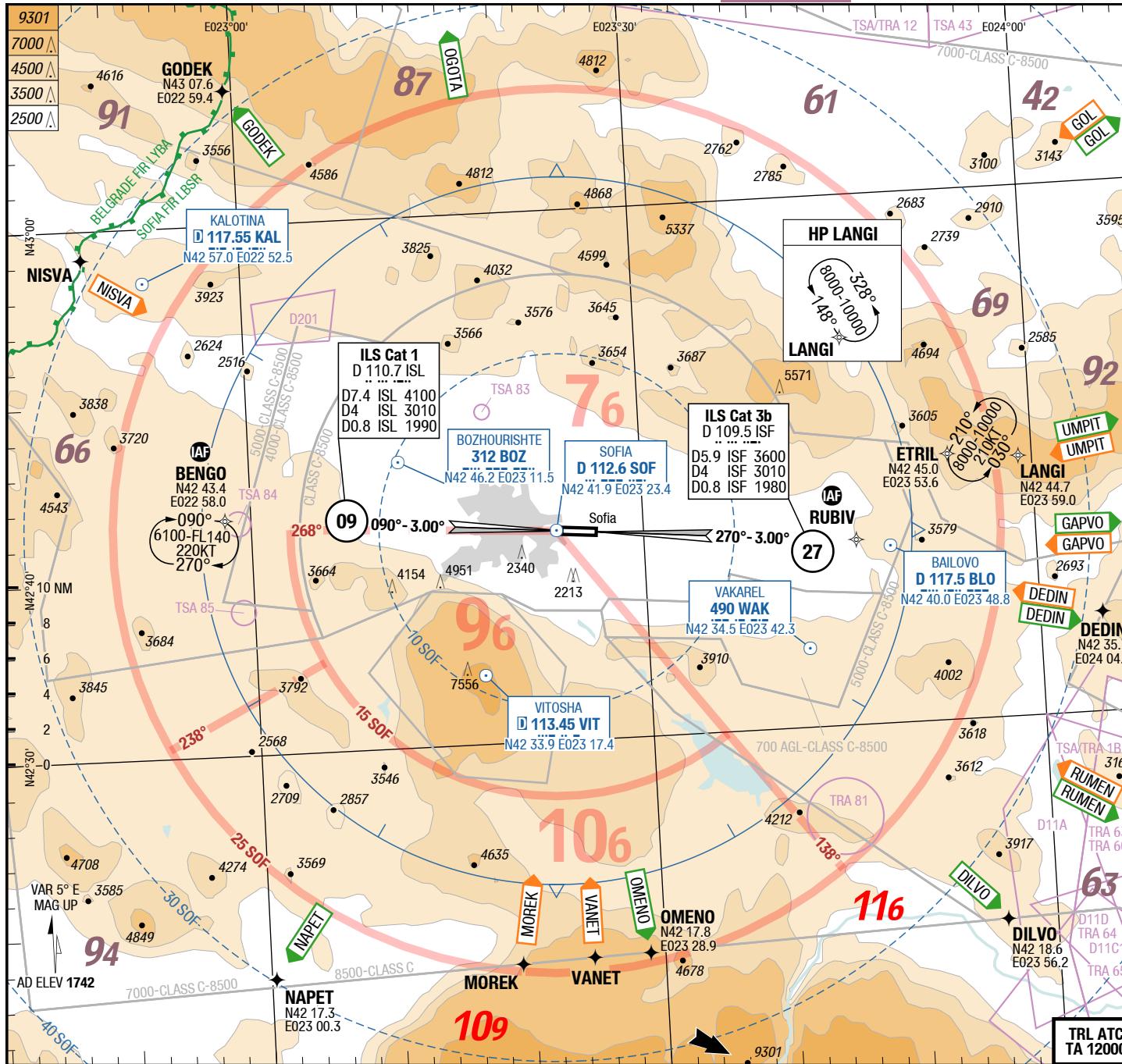
SOF-LBSF

2-10

Bulgaria Sofia

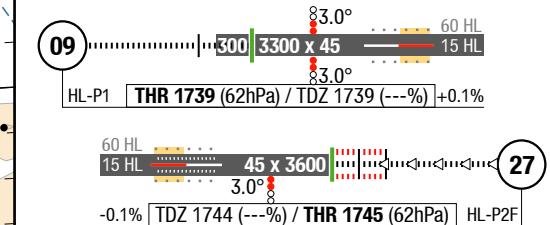
AGC
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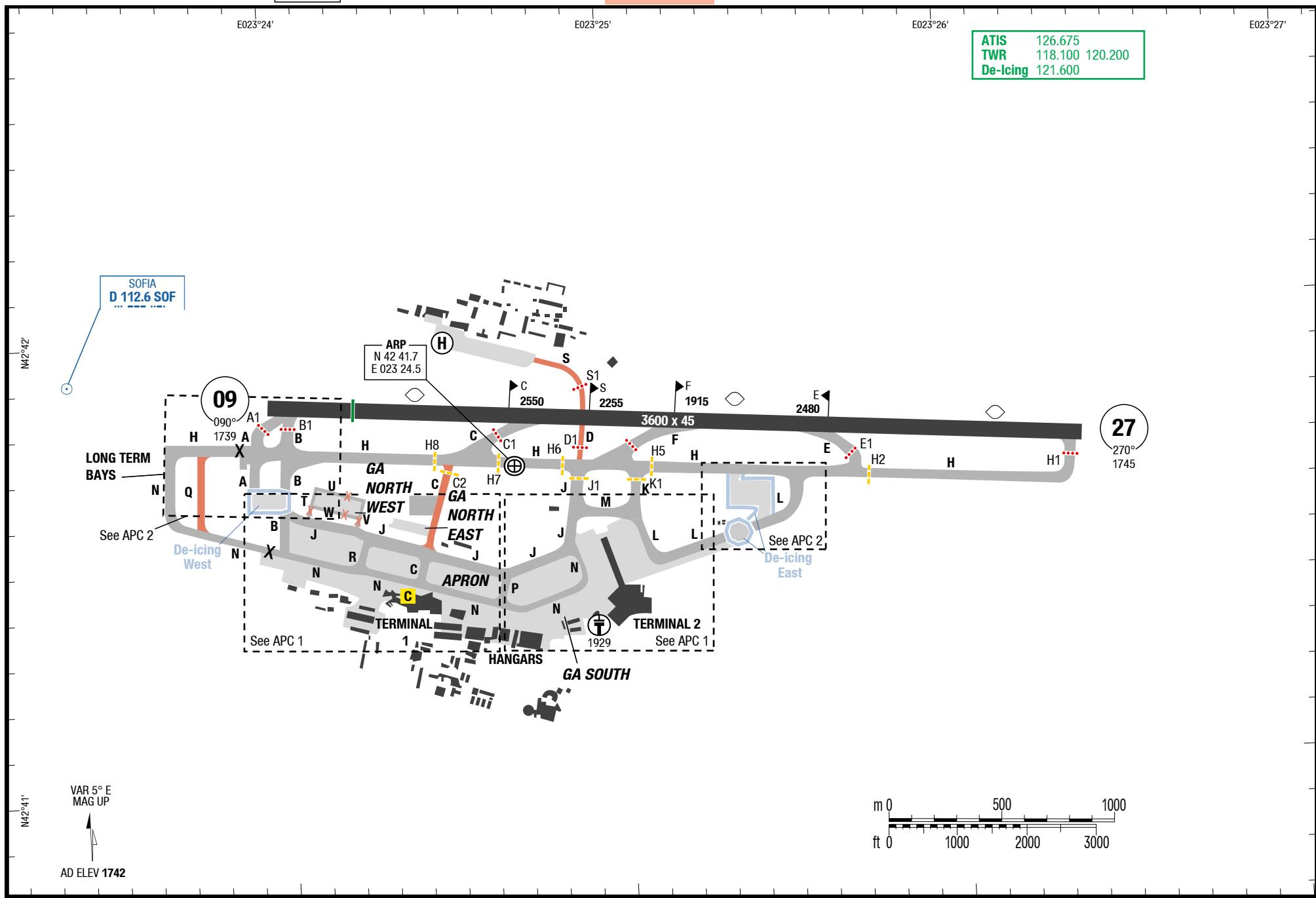
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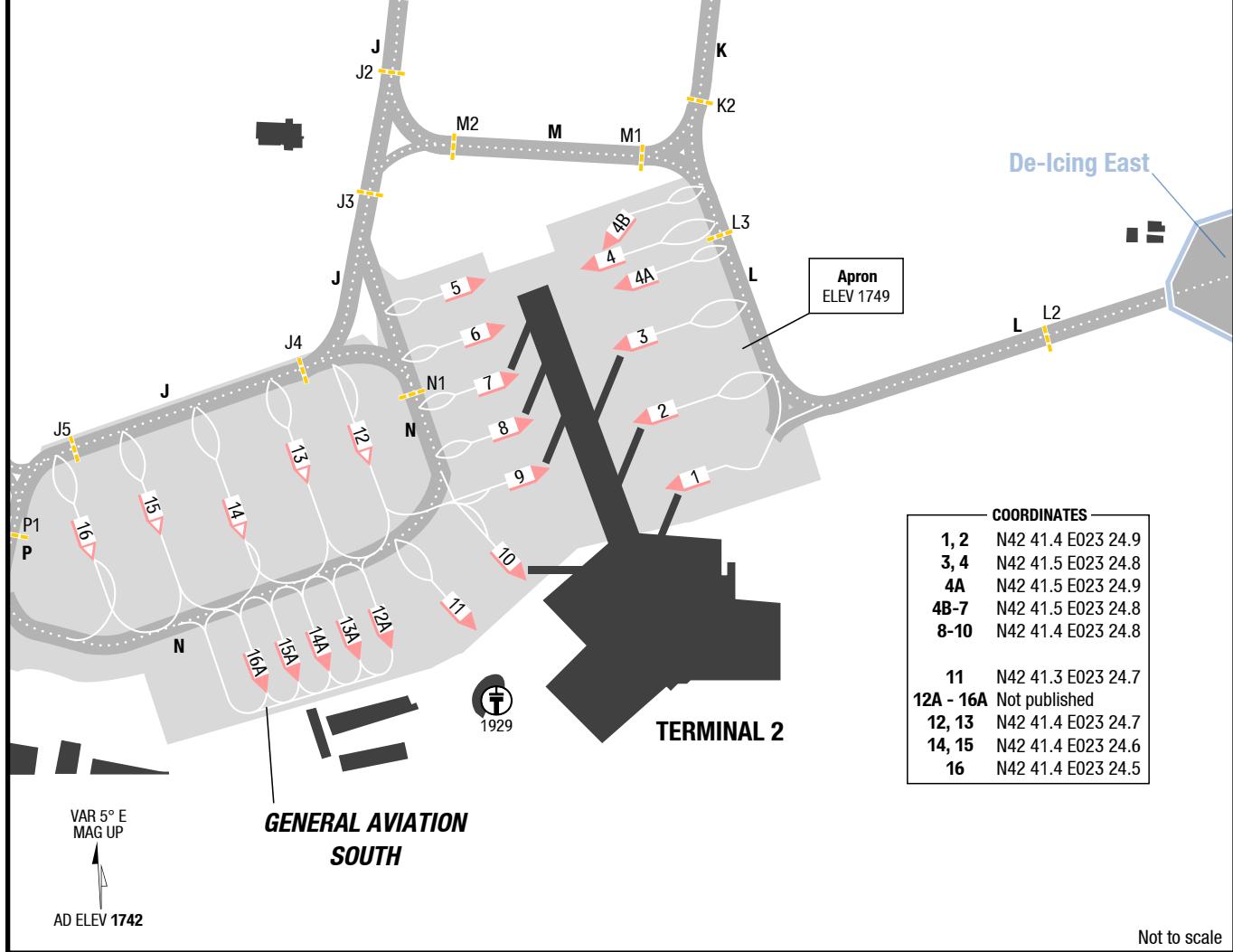
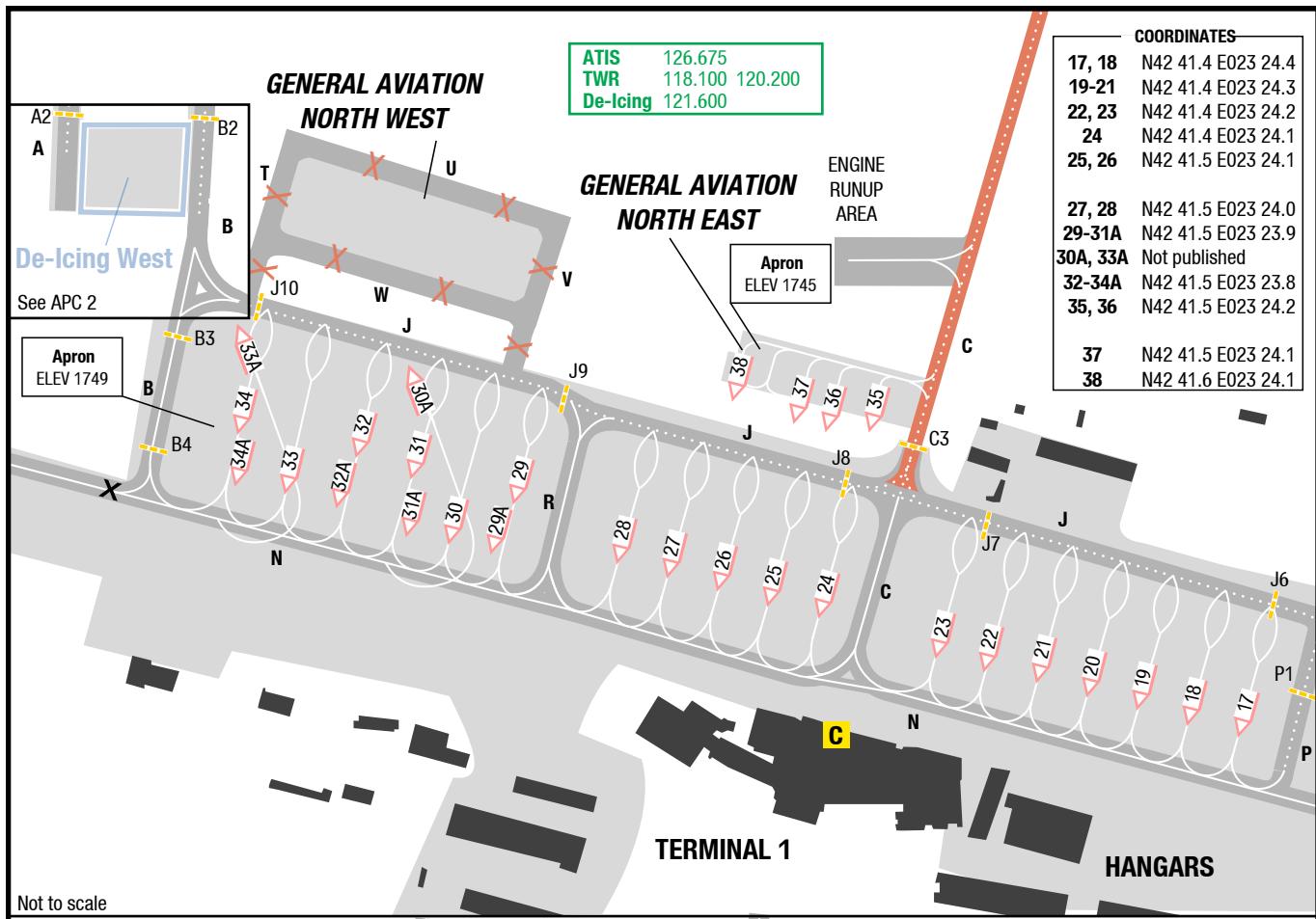
ATIS	126.675	129.900
APP	123.700	120.200
TWR	118.100	

Landing RWY system:



ATIS 126.675
 TWR 118.100 120.200
 De-Icing 121.600

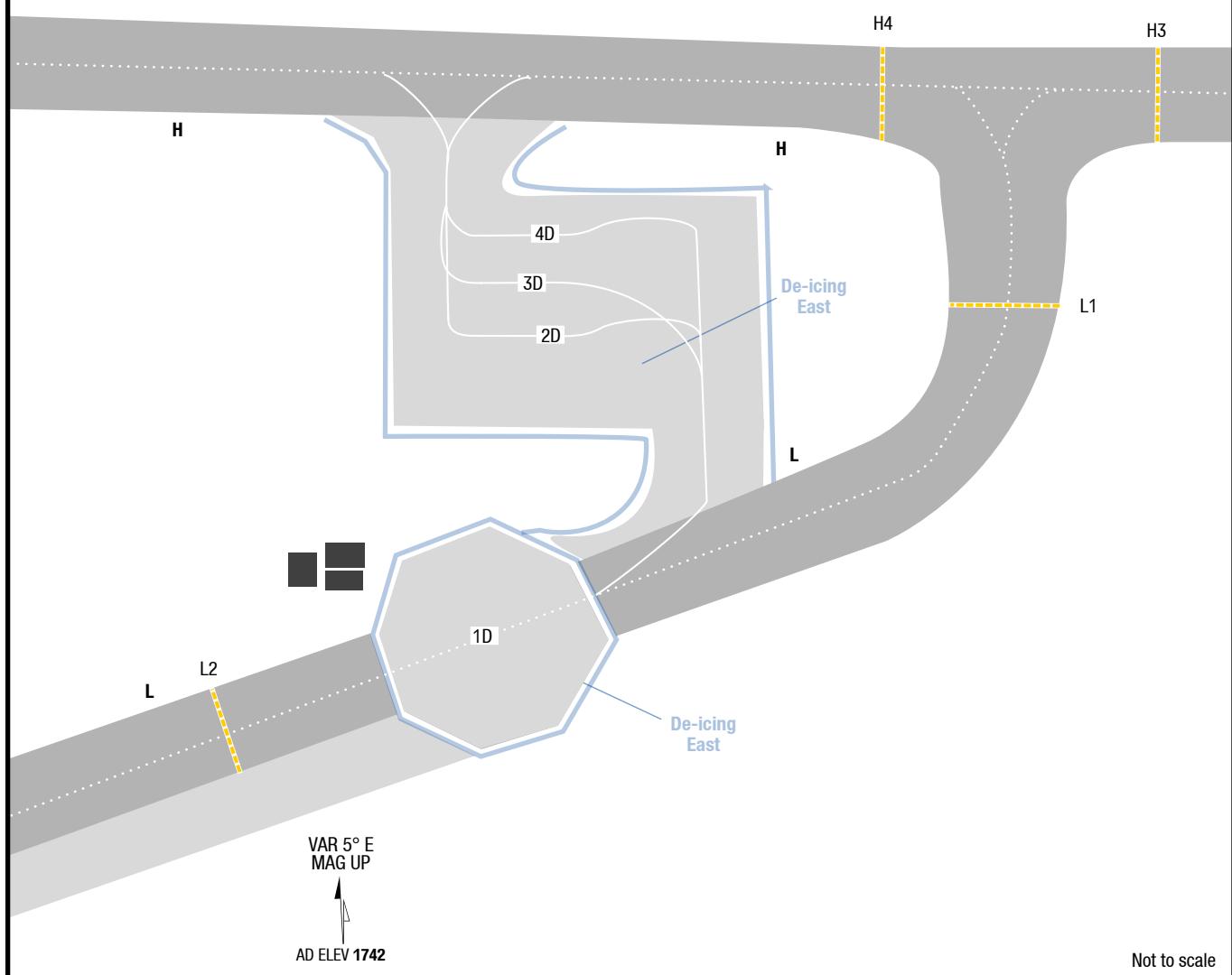
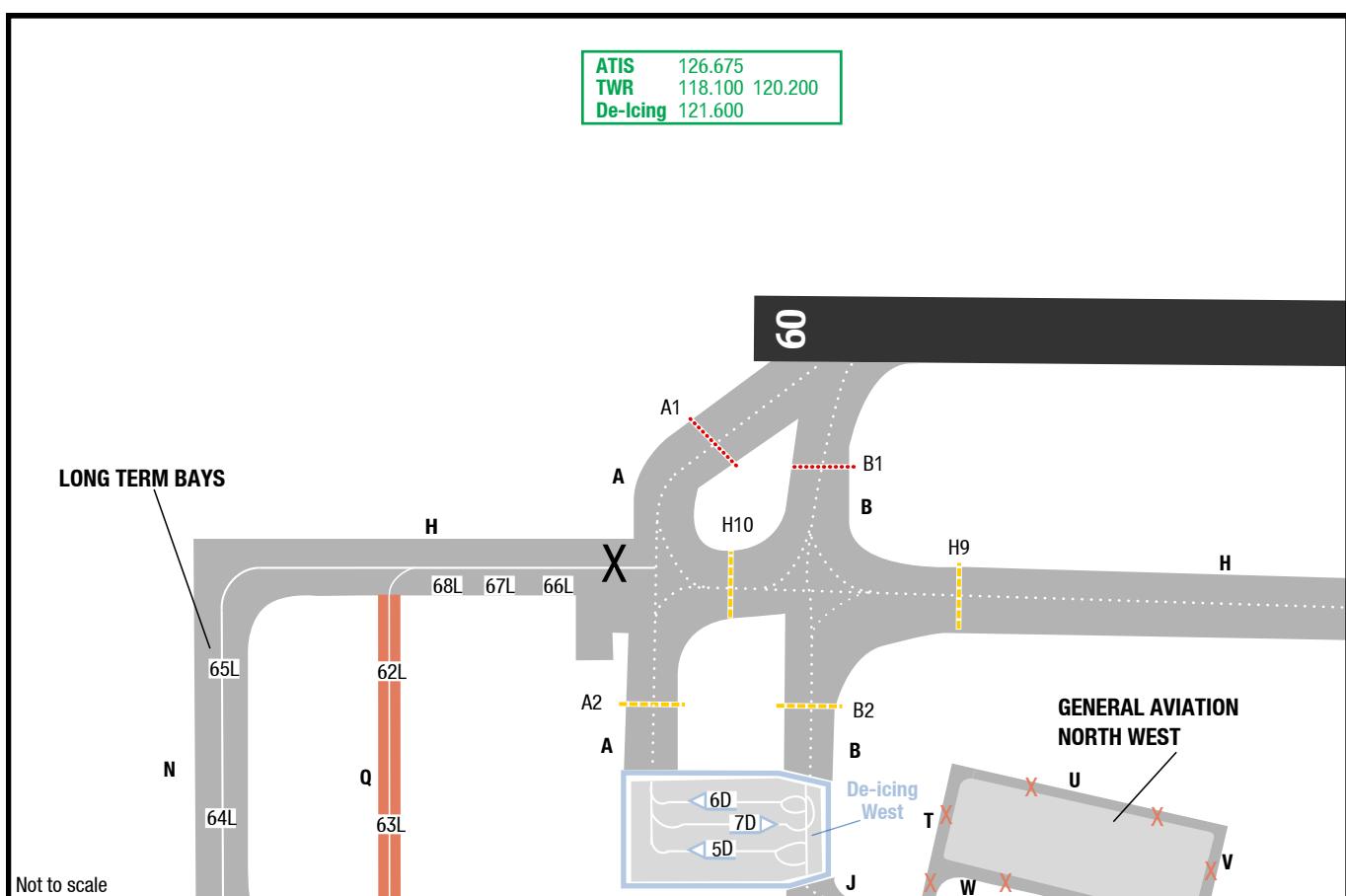




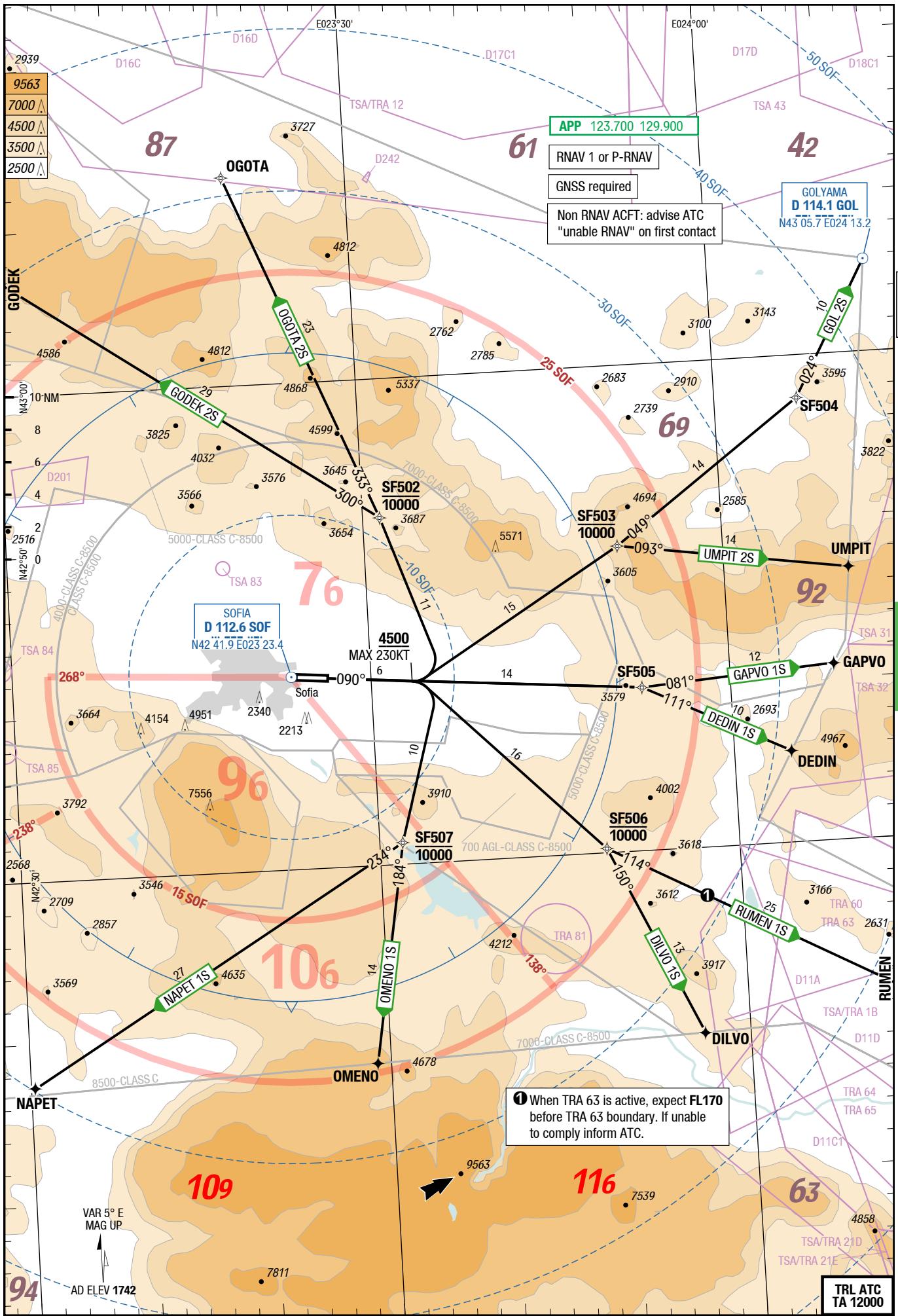
Not to scale

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TWR	118.100 120.200
De-Icing	121.600

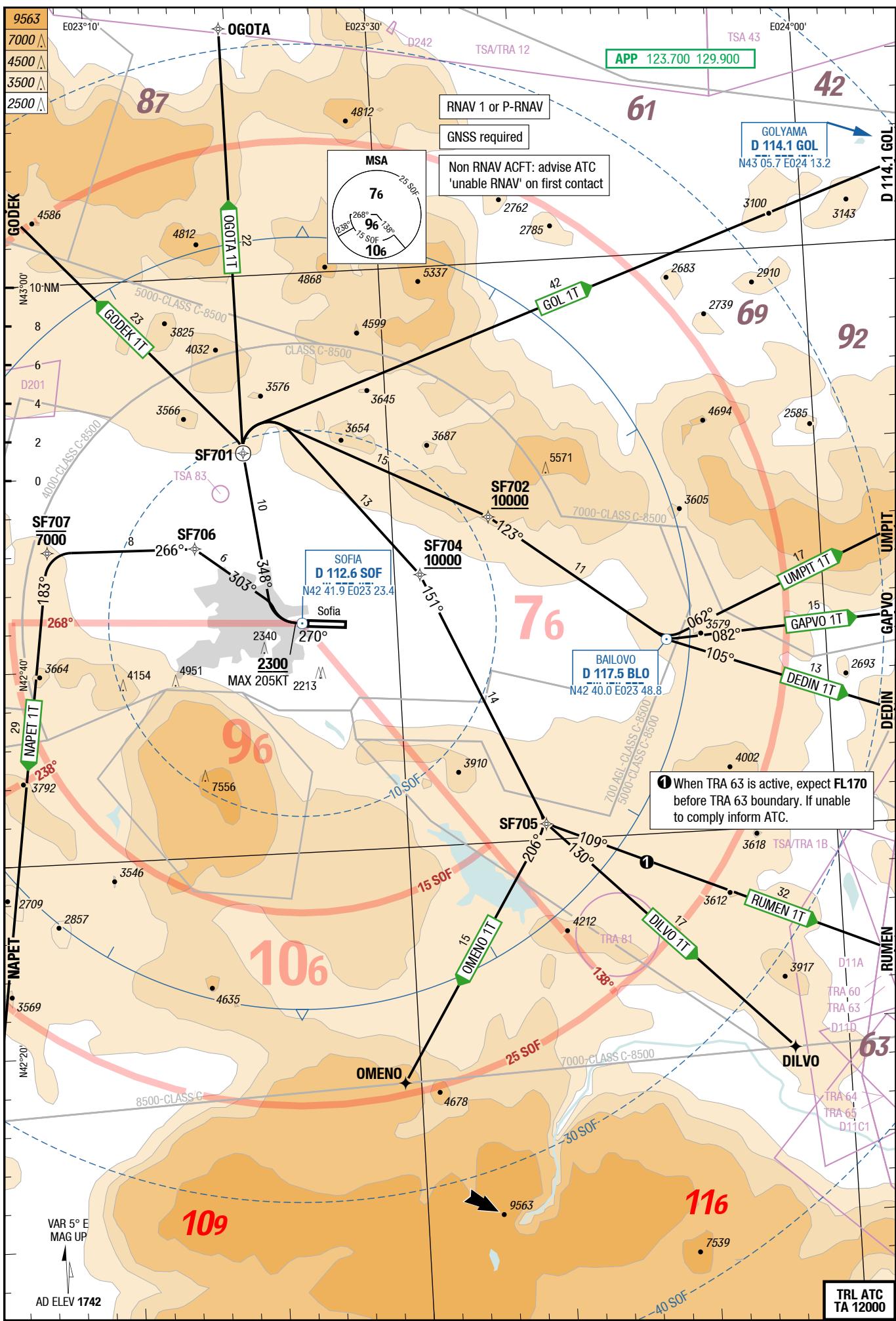
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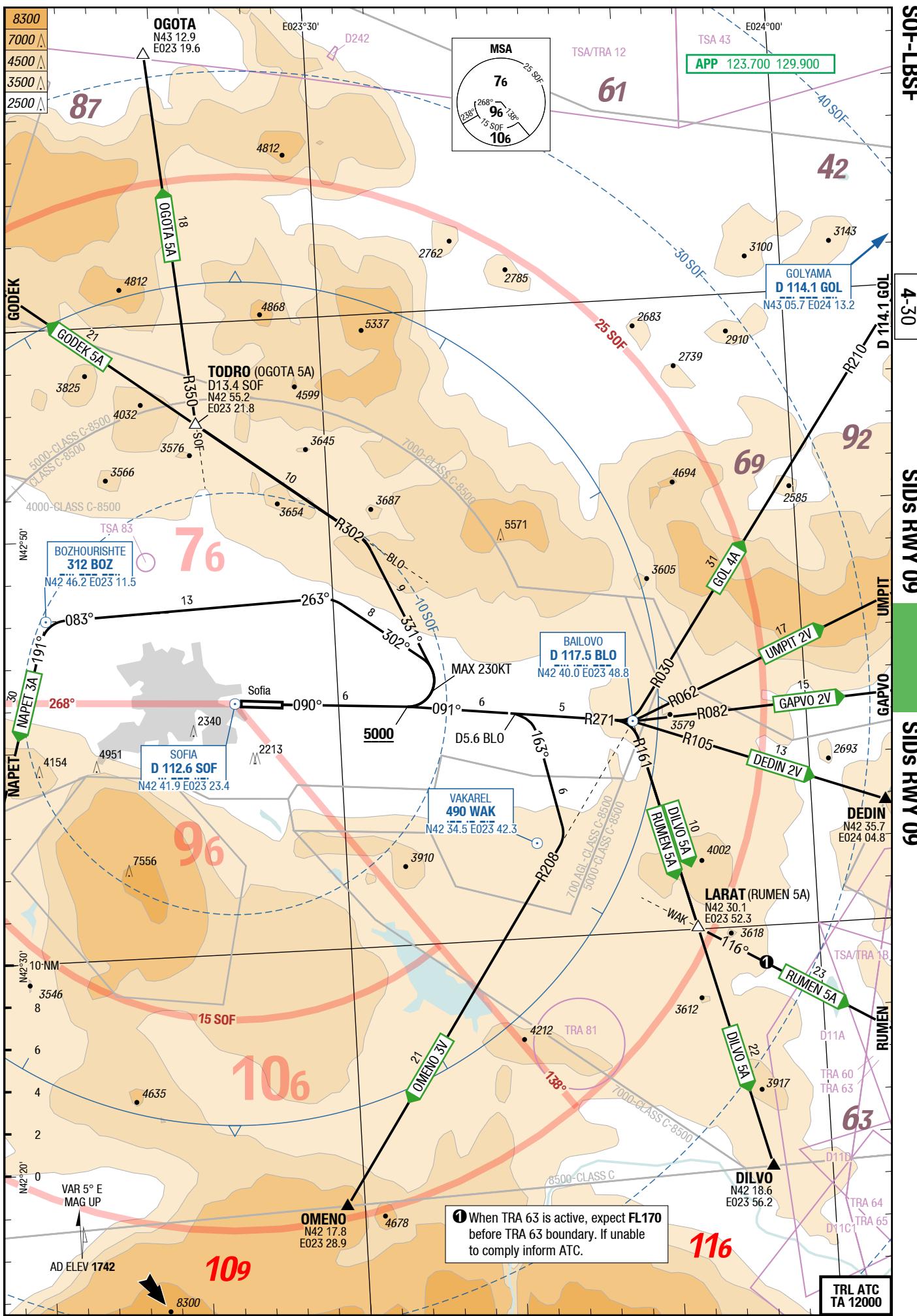
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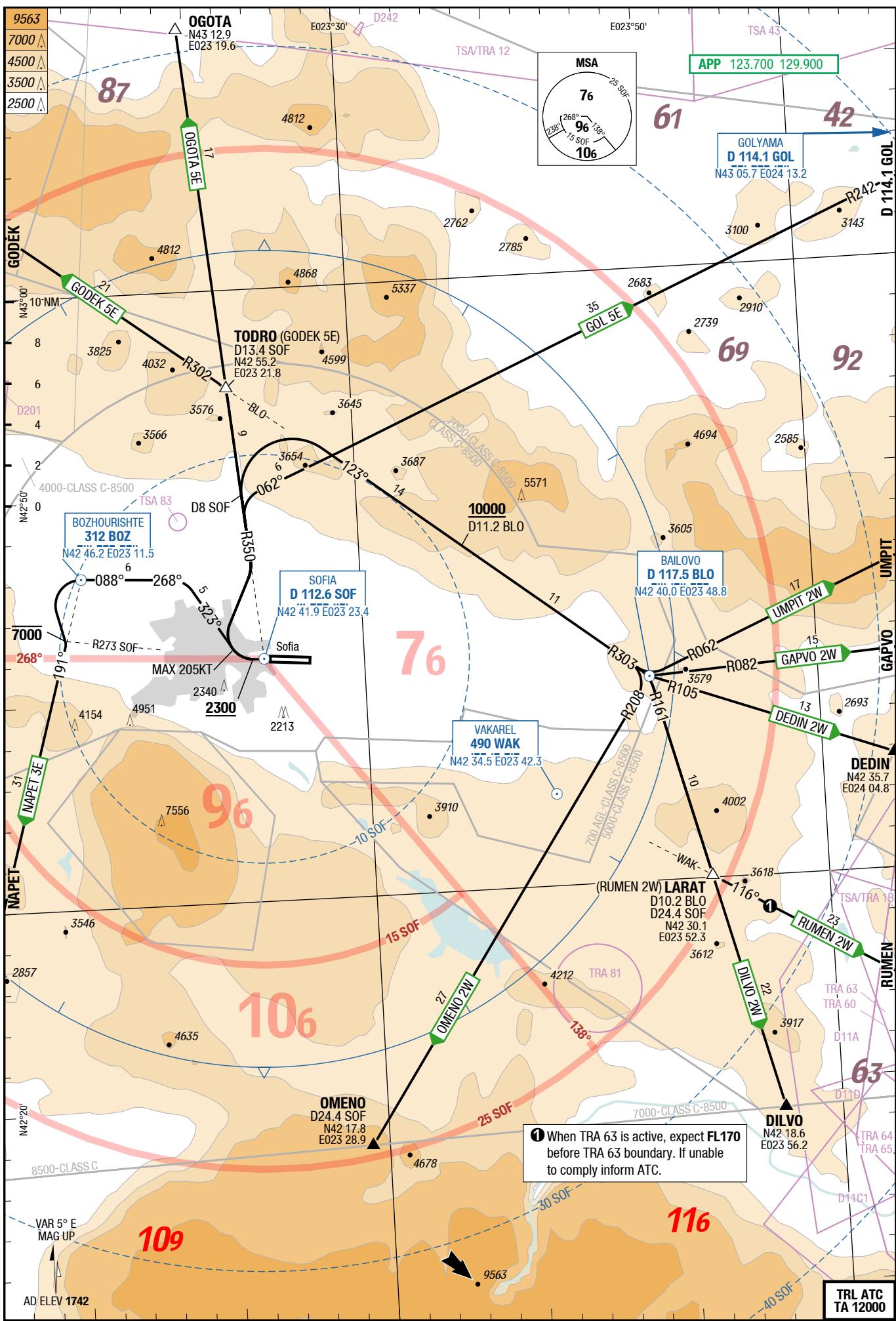
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Changes: ASP, MSA, Track, VAR, DIST, Note, OBST, SUAS



Changes: ASP, MSA, Track, VAR, DIST, Note, OBST, SUAs



SOF-LBSF

5-10

RNAV SIDs RWY 09

DEDIN 1S / DILVO 1S / GAPVO 1S / GODEK 2S / GOLYAMA 2S / NAPET 1S / OGOTA 2S / OMENO 1S / OMNIDIRECTIONAL DEP

RWY 09 (090°)

After take-off, contact Sofia APP.

	GS	120	150	180	210	240	270
5.0%	ft/MIN	700	800	1000	1100	1300	1400
5.3%	ft/MIN	700	900	1000	1200	1300	1500
6.0%	ft/MIN	800	1000	1100	1300	1500	1700

DESIGNATOR	ROUTING	ALTITUDES
	Runway 09	
DEDIN 1S 5.0% to 9300 123.700	SF505 - DEDIN	
DILVO 1S 5.0% to 9000 123.700	090° [A4500+ ;K230- ;R] - DCT SF506 - DILVO	SF506 MAX 10000
GAPVO 1S 5.0% to 9200 123.700	SF505 - GAPVO	
GODEK 2S 5.3% to 9000 123.700	090° [A4500+ ;K230- ;L] - DCT SF502 - GODEK	SF502 MAX 10000
GOL 2S 5.0% to 8200 123.700	090° [A4500+ ;K230- ;L] - DCT SF503 - SF504 - GOL	SF503 MAX 10000
NAPET 1S 6.0% to 9000 123.700	090° [A4500+ ;K230- ;R] - DCT SF507 - NAPET	SF507 MAX 10000
OGOTA 2S 5.3% to 9000 123.700	090° [A4500+ ;K230- ;L] - DCT SF502 - OGOTA	SF502 MAX 10000
OMENO 1S 6.0% to 12000 123.700	090° [A4500+ ;K230- ;R] - DCT SF507 - OMENO	SF507 MAX 10000
OMNIDIRECTIONAL DEP 5.0% to 9600 123.700	at 6800 turn to corresponding point or as cleared by ATC	

SOF-LBSF

5-20

RNAV SIDs RWY 09

SIDPT

RUMEN 1S / UMPIT 2S

RWY 09 (090°)

After take-off, contact Sofia APP.

	GS	120	150	180	210	240	270
5.0%	ft/MIN	700	800	1000	1100	1300	1400

DESIGNATOR	ROUTING	ALTITUDES
	Runway 09	
RUMEN 1S 5.0% to 9500 123.700 ①②	090° [A4500+ ;K230- ;R] - DCT SF506 - RUMEN	SF506 MAX 10000
UMPIT 2S 5.0% to 9000 123.700	090° [A4500+ ;K230- ;L] - DCT SF503 - UMPIT	SF503 MAX 10000

① Climb gradient due to airspace restrictions.

② When TRA 63 is active, expect FL170 before TRA 63 boundary. If unable to comply inform ATC.

SOF-LBSF

5-30

RNAV SIDs RWY 27

DEDIN 1T / DILVO 1T / GAPVO 1T / GODEK 1T / GOLYAMA 1T / NAPET 1T / OGOTA 1T / OMENO 1T / OMNIDIRECTIONAL DEP

RWY 27 (270°)

After take-off, contact Sofia APP.

	GS	120	150	180	210	240	270
5.0%	ft/MIN	700	800	1000	1100	1300	1400

DESIGNATOR	ROUTING	ALTITUDES
Runway 27		
DEDIN 1T 5.0% to 9000 123.700 ①	270° [A2300+ ;K205-] - 348° <u>SF701</u> - DCT SF702 - BLO - DEDIN	SF702 MNM 10000
DILVO 1T 5.0% to 10000 123.700 ①	270° [A2300+ ;K205-] - 348° <u>SF701</u> - DCT SF704 - SF705 - DILVO	SF704 MNM 10000
GAPVO 1T 5.0% to 9000 123.700	270° [A2300+ ;K205-] - 348° <u>SF701</u> - DCT SF702 - BLO - GAPVO	SF702 MNM 10000
GODEK 1T 5.0% to 10000 123.700	270° [A2300+ ;K205-] - 348° <u>SF701</u> - DCT GODEK	
GOLYAMA 1T GOL 1T 5.0% to 8500 123.700	270° [A2300+ ;K205-] - 348° <u>SF701</u> - DCT GOL	
NAPET 1T 5.0% to 7000 123.700	270° [A2300+ ;K205-] - 303° SF706 - SF707 - NAPET	SF707 MAX 7000
OGOTA 1T 5.0% to 7400 123.700	270° [A2300+ ;K205-] - 348° <u>SF701</u> - DCT OGOTA	
OMENO 1T 5.0% to 10000 123.700 ①	270° [A2300+ ;K205-] - 348° <u>SF701</u> - DCT SF704 - SF705 - OMENO	SF704 MNM 10000
OMNIDIRECTIONAL DEP 5.0% to 9600 123.700	285° - at 7500 turn to corresponding point or as cleared by ATC	

① Climb gradient due to airspace restrictions.

SOF-LBSF

5-40

RNAV SIDs RWY 27

RUMEN 1T / UMPIT 1T

RWY 27 (270°)

After take-off, contact Sofia APP.

	GS	120	150	180	210	240	270
5.0%	ft/MIN	700	800	1000	1100	1300	1400

DESIGNATOR	ROUTING	ALTITUDES
	Runway 27	
RUMEN 1T 5.0% to 10000 123.700 ①②③	270° [A2300+ ;K205-] - 348° <u>SF701</u> - DCT SF704 - SF705 - RUMEN	SF704 MNM 10000
UMPIT 1T 5.0% to 9000 123.700	270° [A2300+ ;K205-] - 348° <u>SF701</u> - DCT SF702 - BLO - UMPIT	SF702 MNM 10000

① 5.0% to FL170 if TRA 63 is active.

② When TRA 63 is active, expect FL170 before TRA 63 boundary. If unable to comply inform ATC.

③ Climb gradient due to airspace restrictions.

SOF-LBSF

5-50

SIDs RWY 09

DEDIN 2V / DILVO 5A / GAPVO 2V / GODEK 5A / GOLYAMA 4A / NAPET 3A / OGOTA 5A / OMENO 3V / OMNDIRECTIONAL DEP
RWY 09 (090°)

After take-off, contact Sofia APP.

	GS	120	150	180	210	240	270
4.4%	ft/MIN	600	700	900	1000	1100	1300
4.7%	ft/MIN	600	800	900	1000	1200	1300
5.0%	ft/MIN	700	800	1000	1100	1300	1400

DESIGNATOR	ROUTING	ALTITUDES
	Runway 09	
DEDIN 2V 4.7% to 10000 123.700	at MNM 5000 intercept R271 BLO to BLO - RT R105 BLO to DEDIN	
DILVO 5A 5.0% to 4500 123.700	at MNM 5000 intercept R271 BLO to BLO - RT R161 BLO to DILVO	
GAPVO 2V 4.4% to 10000 123.700	at MNM 5000 intercept R271 BLO to BLO - LT R082 BLO to GAPVO	
GODEK 5A 5.0% to 6300 123.700	at MNM 5000 LT (MAX 230KT) 331° -intercept R302 BLO to GODEK	
GOLYAMA 4A GOL 4A 5.0% to 4000 123.700	at MNM 5000 intercept R271 BLO to BLO - LT R030 BLO (R210 GOL) to GOL	
NAPET 3A 5.0% to 4500 123.700	at MNM 5000 LT (MAX 230KT) 302° - intercept QDM 263 BOZ to BOZ - LT QDR 191 BOZ to NAPET	
OGOTA 5A 5.0% to 6300 123.700	at MNM 5000 LT (MAX 230KT) 331° - intercept R302 BLO to TODRO - RT intercept R350 SOF to OGOTA	
OMENO 3V 5.0% to 10000 123.700	at MNM 5000 intercept R271 BLO inbound - at D5.6 BLO RT 163° - intercept R208 BLO to OMENO	
OMNDIRECTIONAL DEP 5.0% to 9600 123.700	at 6800 turn to corresponding point or as cleared by ATC	

RUMEN 5A / UMPIT 2V

RWY 09 (090°)

After take-off, contact Sofia APP.

	GS	120	150	180	210	240	270
4.1%	ft/MIN	500	700	800	900	1000	1200
5.0%	ft/MIN	700	800	1000	1100	1300	1400

DESIGNATOR	ROUTING	ALTITUDES
Runway 09		
RUMEN 5A 5.0% to 4000 123.700 ①	at MNM 5000 intercept R271 BLO to BLO - RT R161 BLO to LARAT - LT intercept QDR 116 WAK to RUMEN	
UMPIT 2V 4.1% to 10000 123.700	at MNM 5000 intercept R271 BLO to BLO - LT R062 BLO to UMPIT	

① When TRA 63 is active, expect FL170 before TRA 63 boundary. If unable to comply inform ATC.

SOF-LBSF

5-70

SIDs RWY 27

DEDIN 2W / DILVO 2W / GAPVO 2W / GODEK 5E / GOLYAMA 5E / NAPET 3E / OGOTA 5E / OMENO 2W / OMNIDIRECTIONAL DEP

RWY 27 (270°)

After take-off, contact Sofia APP.

	GS	120	150	180	210	240	270
5.0%	ft/MIN	700	800	1000	1100	1300	1400

DESIGNATOR	ROUTING	ALTITUDES
Runway 27		
DEDIN 2W 5.0% to 10000 123.700	at MNM 2300 RT (MAX 205KT) intercept R350 SOF - at D8 SOF RT intercept R303 BLO to BLO - LT R105 BLO to DEDIN	D11.2 BLO MNM 10000
DILVO 2W 5.0% to 10000 123.700	at MNM 2300 RT (MAX 205KT) intercept R350 SOF - at D8 SOF RT intercept R303 BLO to BLO - RT R161 BLO to DILVO	D11.2 BLO MNM 10000
GAPVO 2W 5.0% to 10000 123.700	at MNM 2300 RT (MAX 205KT) intercept R350 SOF - at D8 SOF RT intercept R303 BLO to BLO - LT R082 BLO to GAPVO	D11.2 BLO MNM 10000
GODEK 5E 5.0% to 10000 123.700 ①	at MNM 2300 RT (MAX 205KT) intercept R350 SOF to TODRO - LT intercept R302 BLO to GODEK	
GOLYAMA 5E GOL 5E 5.0% to 8000 123.700	at MNM 2300 RT (MAX 205KT) intercept R350 SOF - RT intercept R242 GOL to GOL	
NAPET 3E 5.0% to 7000 123.700	at MNM 2300 RT (MAX 205KT) 323° intercept QDM 268° BOZ to BOZ - QDR 191 BOZ to NAPET	R273 SOF MAX 7000
OGOTA 5E 5.0% to 8000 123.700	at MNM 2300 RT (MAX 205KT) intercept R350 SOF to OGOTA	
OMENO 2W 5.0% to 10000 123.700	at MNM 2300 RT (MAX 205KT) intercept R350 SOF - at D8 SOF RT intercept R303 BLO to BLO - RT R208 BLO to OMENO	D11.2 BLO MNM 10000
OMNIDIRECTIONAL DEP 5.0% to 9600 123.700	285° - at 7500 turn to corresponding point or as cleared by ATC.	

① Climb gradient due to airspace restrictions.

RUMEN 2W / UMPIT 2W

RWY 27 (270°)

After take-off, contact Sofia APP.

	GS	120	150	180	210	240	270
5.0%	ft/MIN	700	800	1000	1100	1300	1400

DESIGNATOR	ROUTING	ALTITUDES
	Runway 27	
RUMEN 2W 5.0% to 10000 123.700 ①	at MNM 2300 RT (MAX 205KT) intercept R350 SOF - at D8 SOF RT intercept R303 BLO to BLO - RT R161 BLO to LARAT - LT intercept QDR 116 WAK to RUMEN	D11.2 BLO MNM 10000
UMPIT 2W 5.0% to 10000 123.700	at MNM 2300 RT (MAX 205KT) intercept R350 SOF - at D8 SOF RT intercept R303 BLO to BLO - LT R062 BLO to UMPIT	D11.2 BLO MNM 9000

① When TRA 63 is active, expect FL170 before TRA 63 boundary. If unable to comply inform ATC.

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SOF-LBSF

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[RNAV STARs RWY 27]

RNAV STARs RWY 09

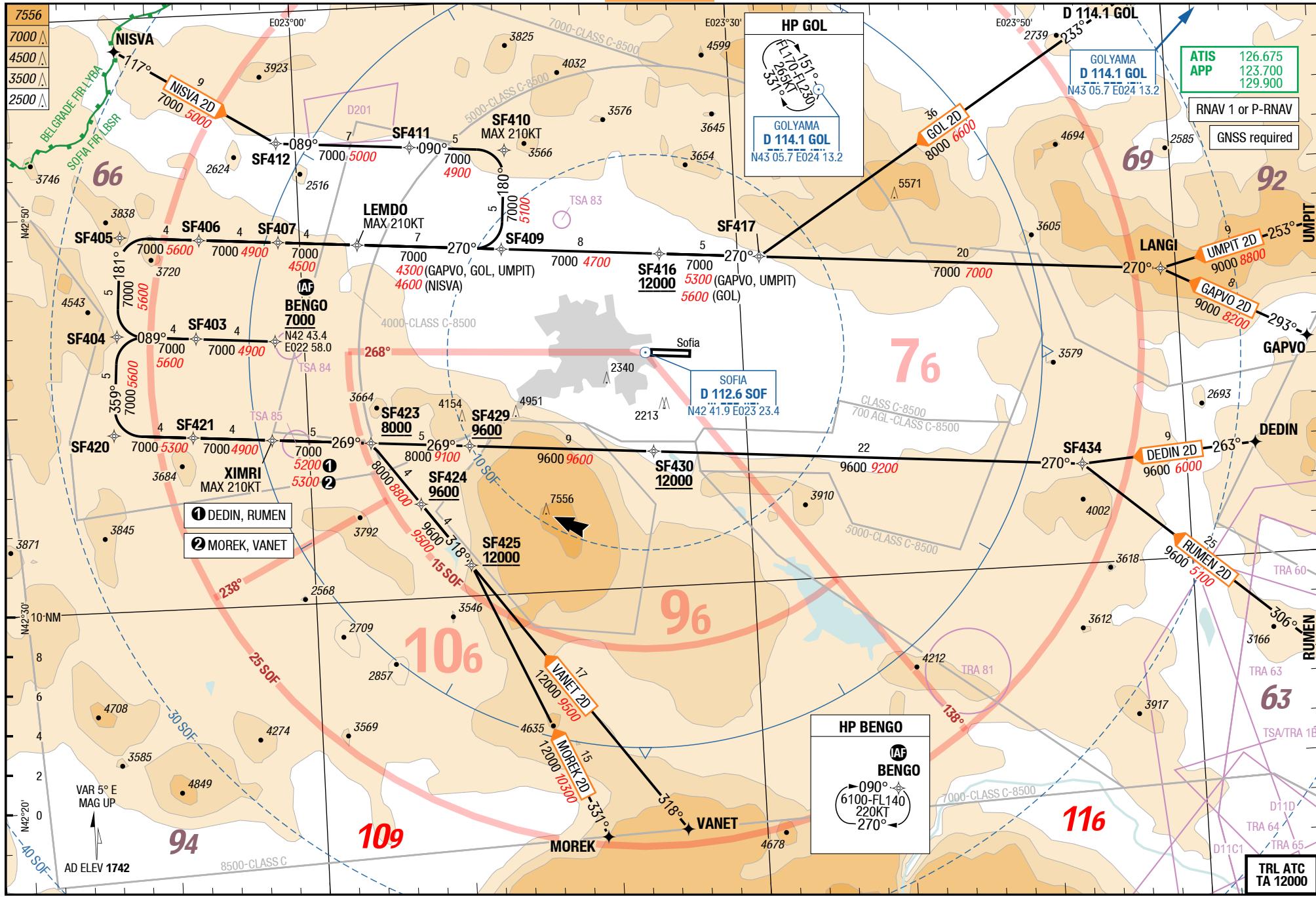
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Sofia Bulgaria

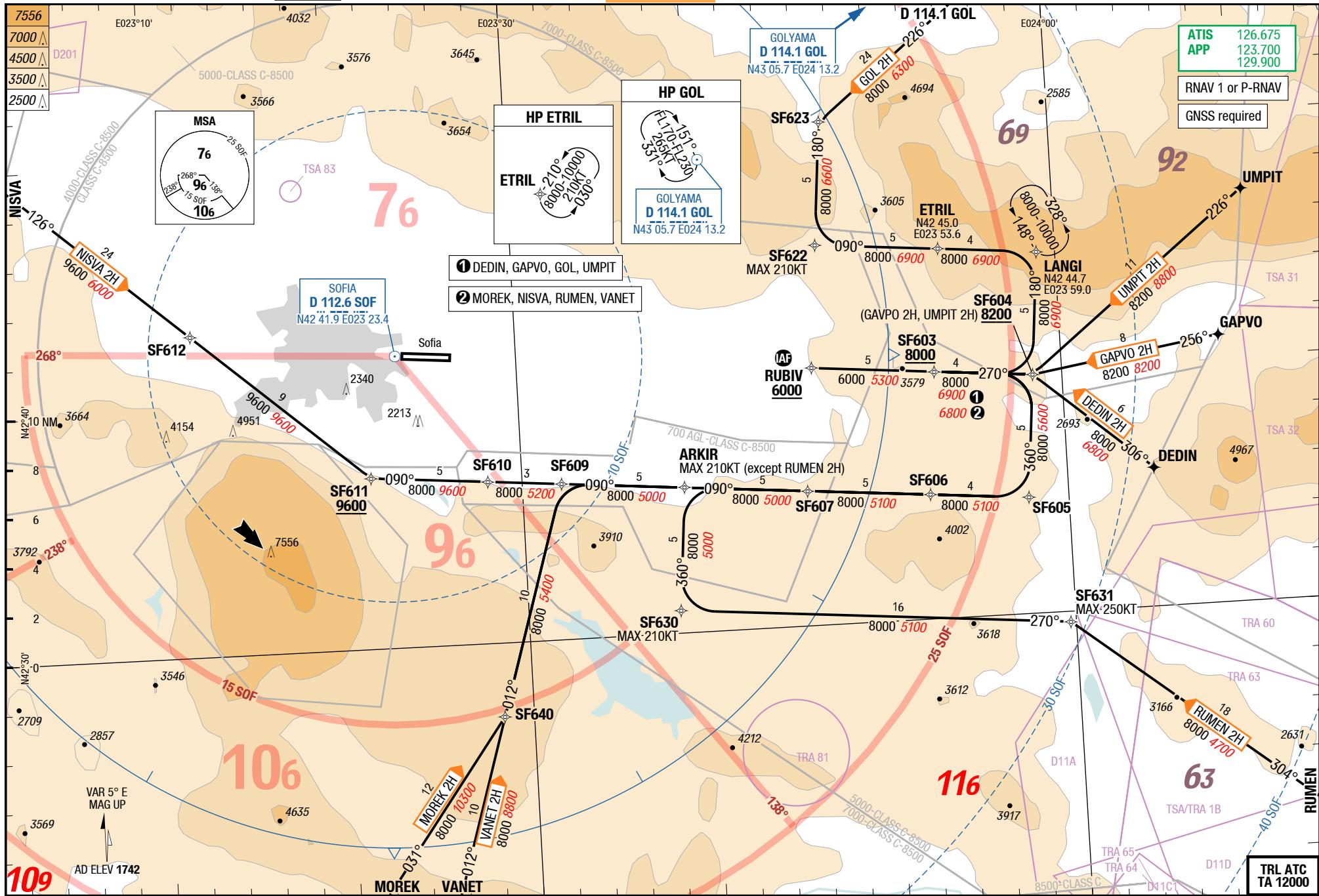
[RNAV STARs RWY 27]

RNAV STARs RWY 09



RNAV STARs RWY 27

RNAV STARs RWY 27



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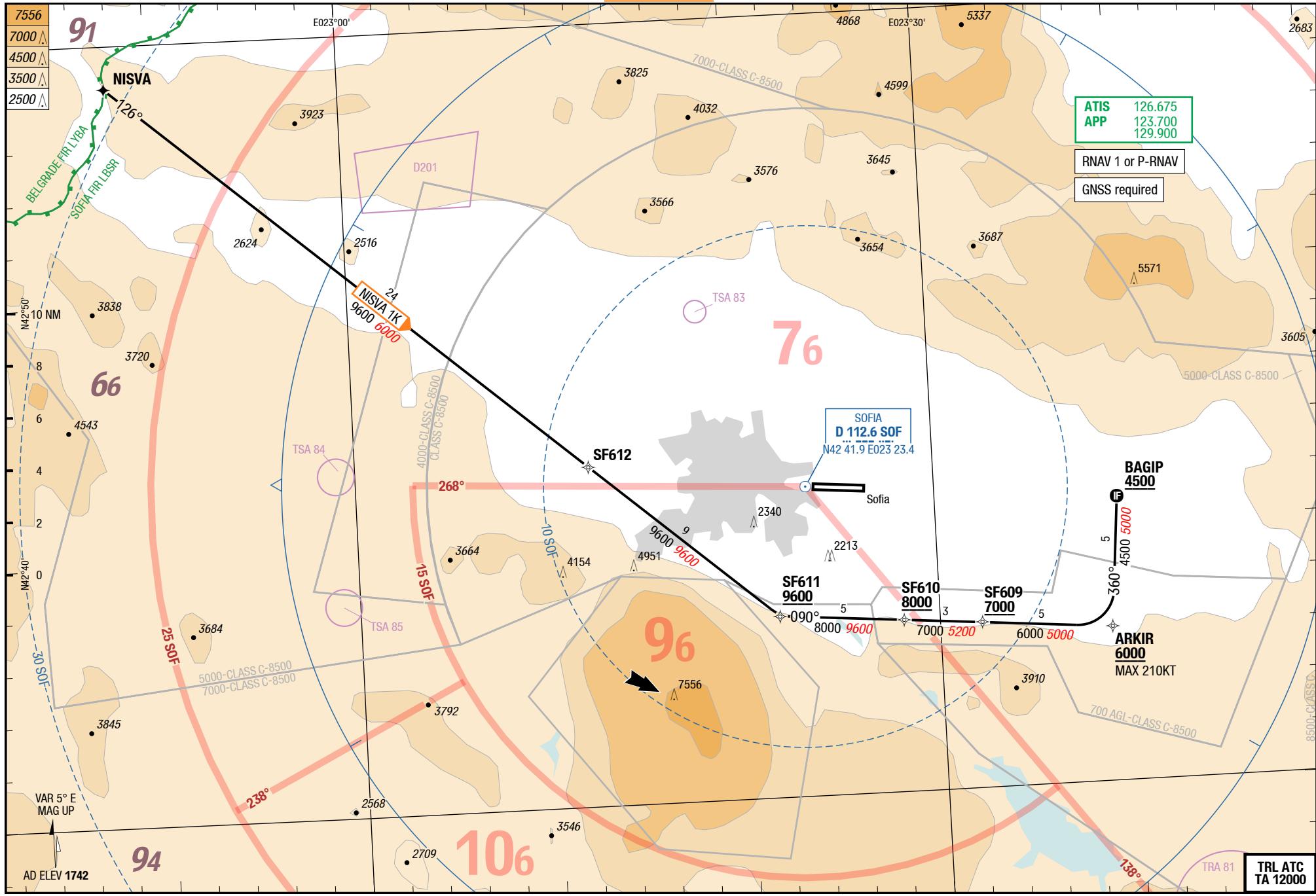
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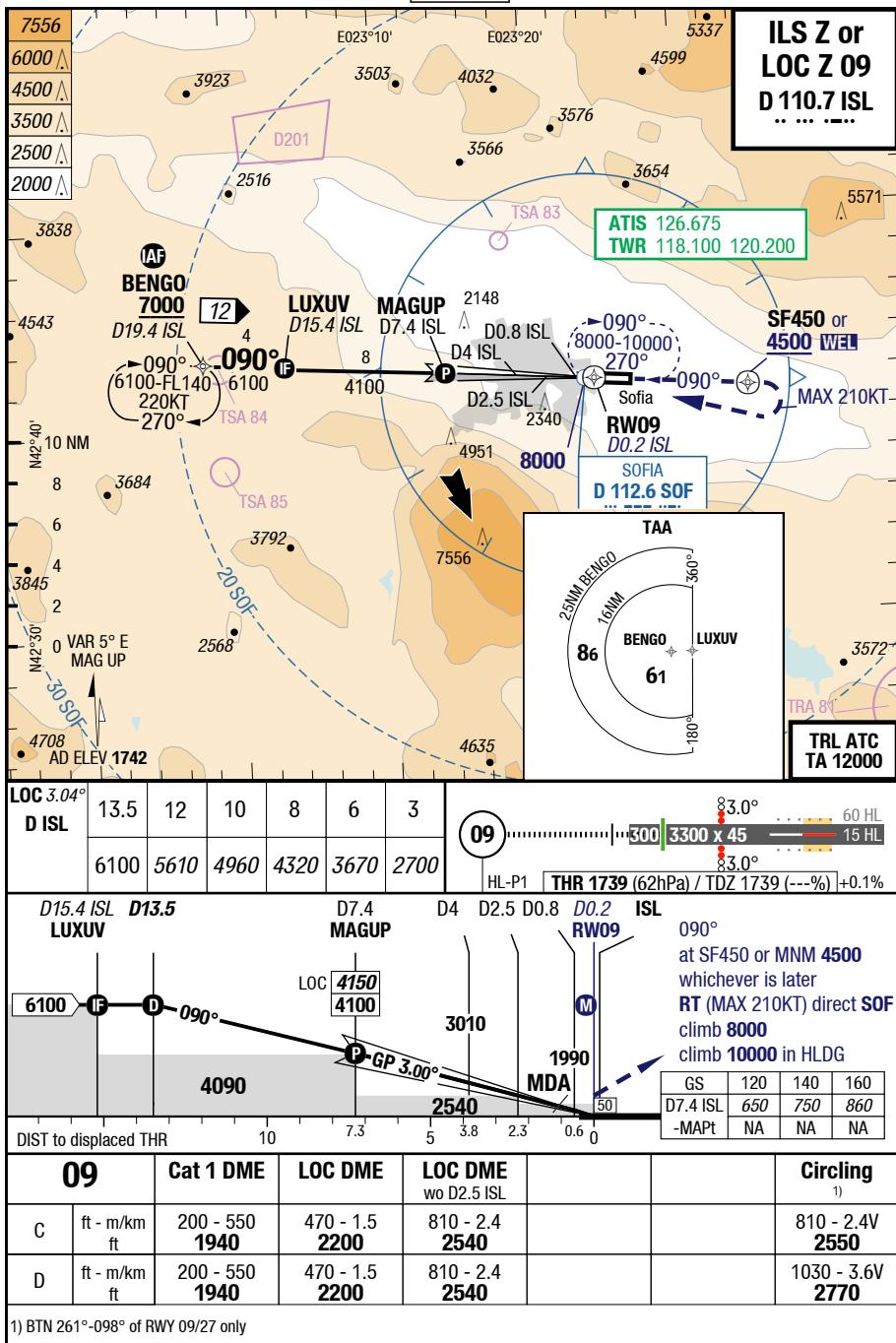


Changes: MSA, Track, MTCA, VAR, Note, OBST

SOF-LBSF

7-10

ILS Z or LOC Z 09



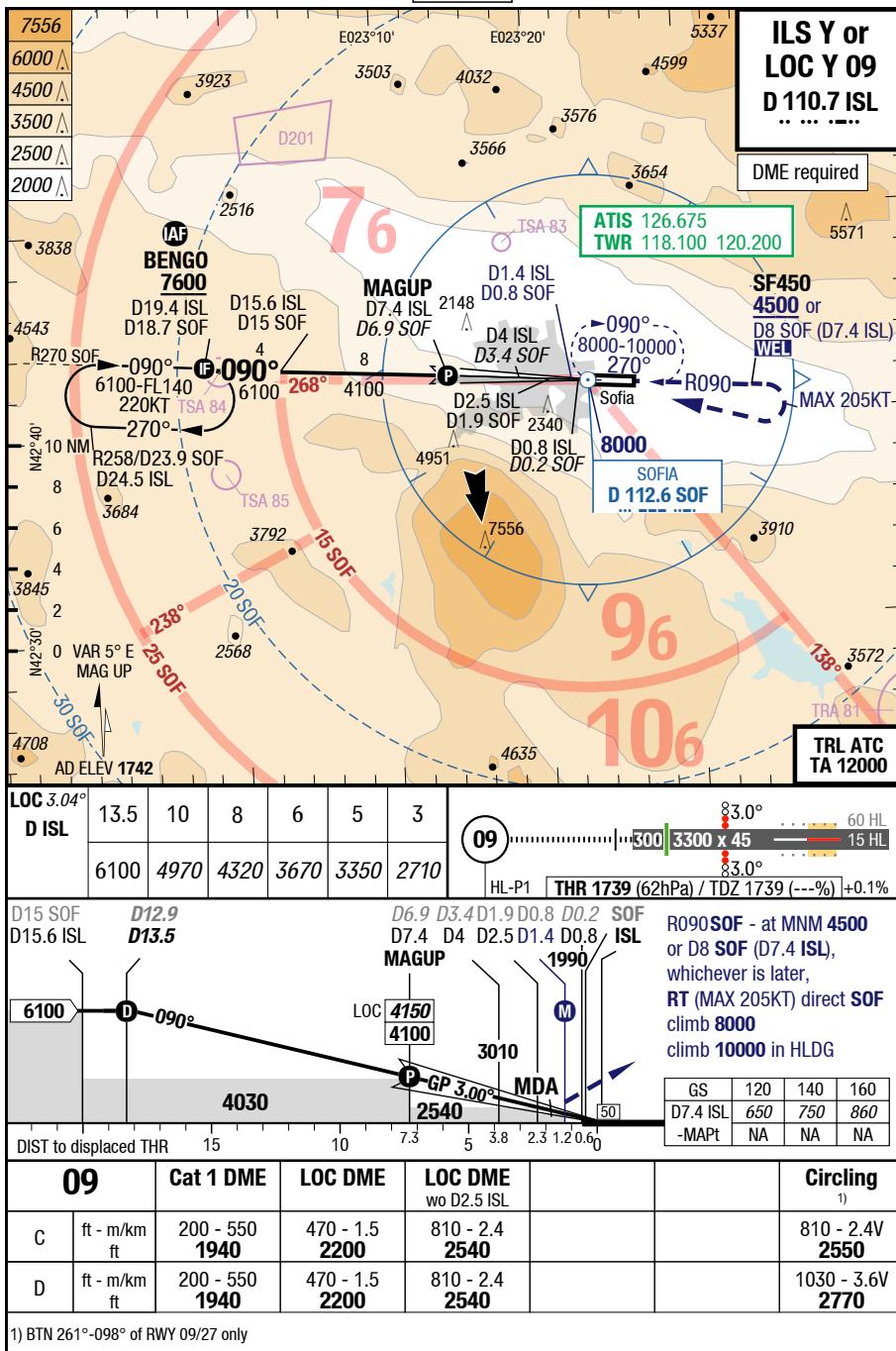
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SOF-LBSF

7-20

ILS Y or LOC Y 09

IAC

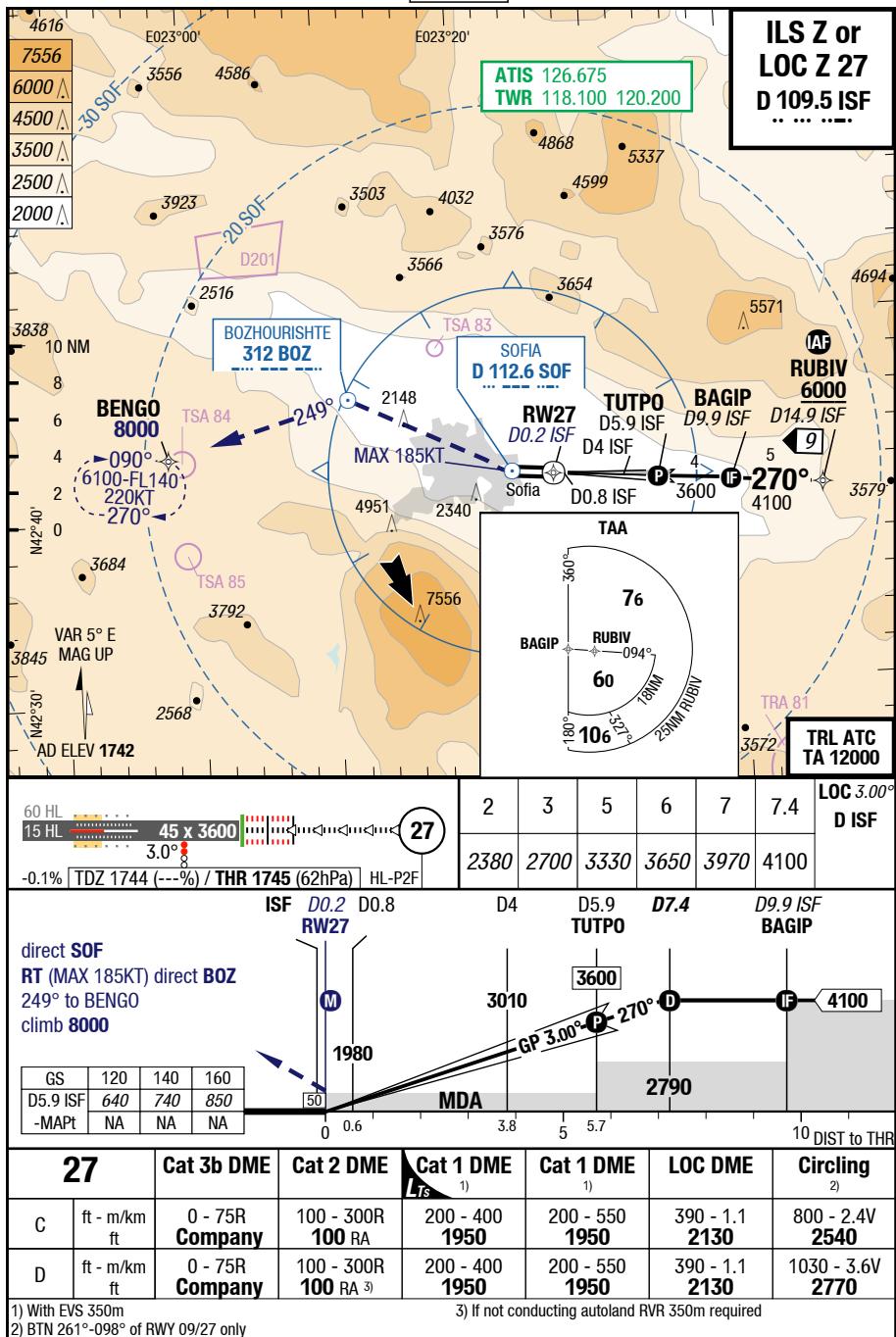


SOF-LBSF

7-30

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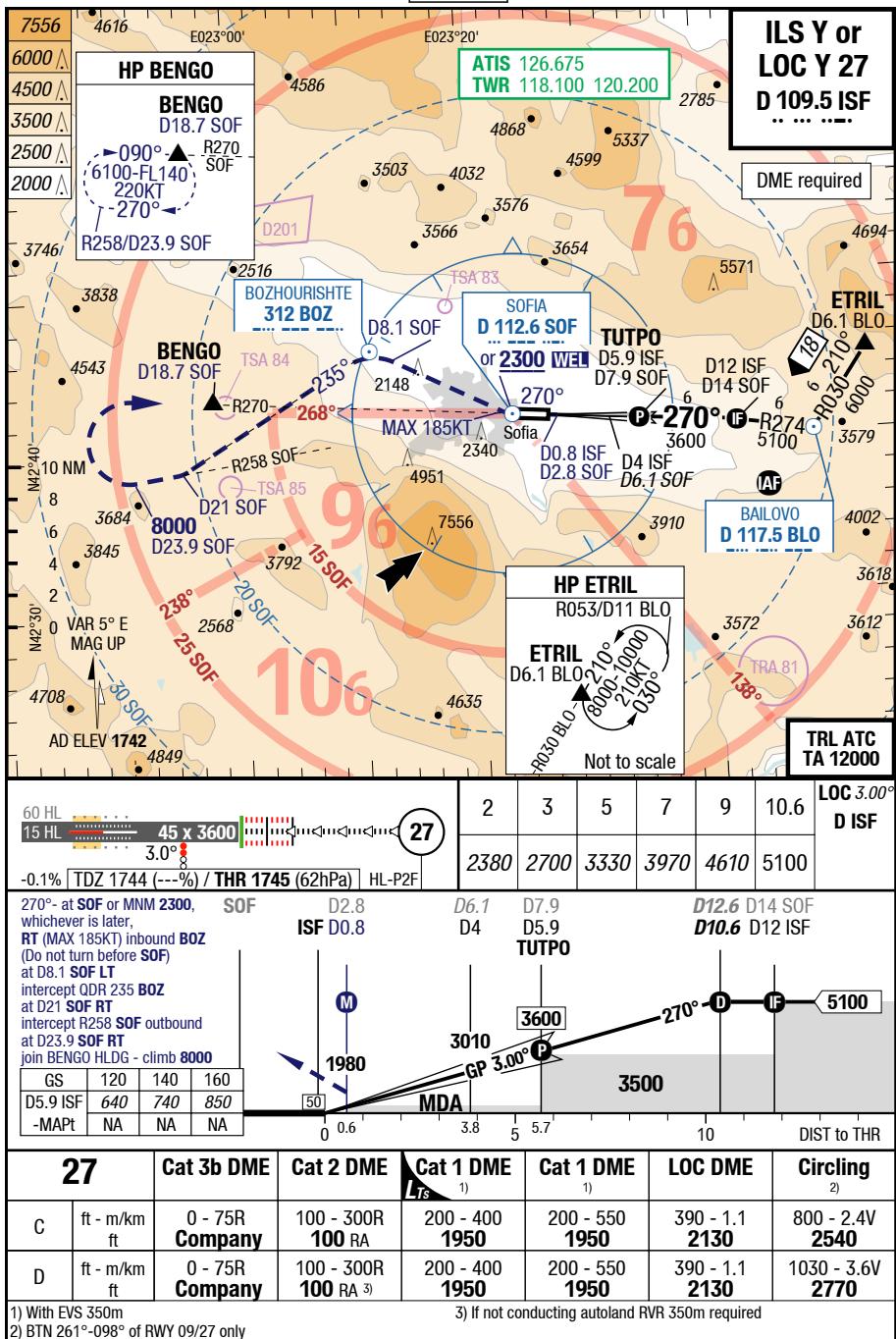
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7-40

ILS Y or LOC Y 27

14



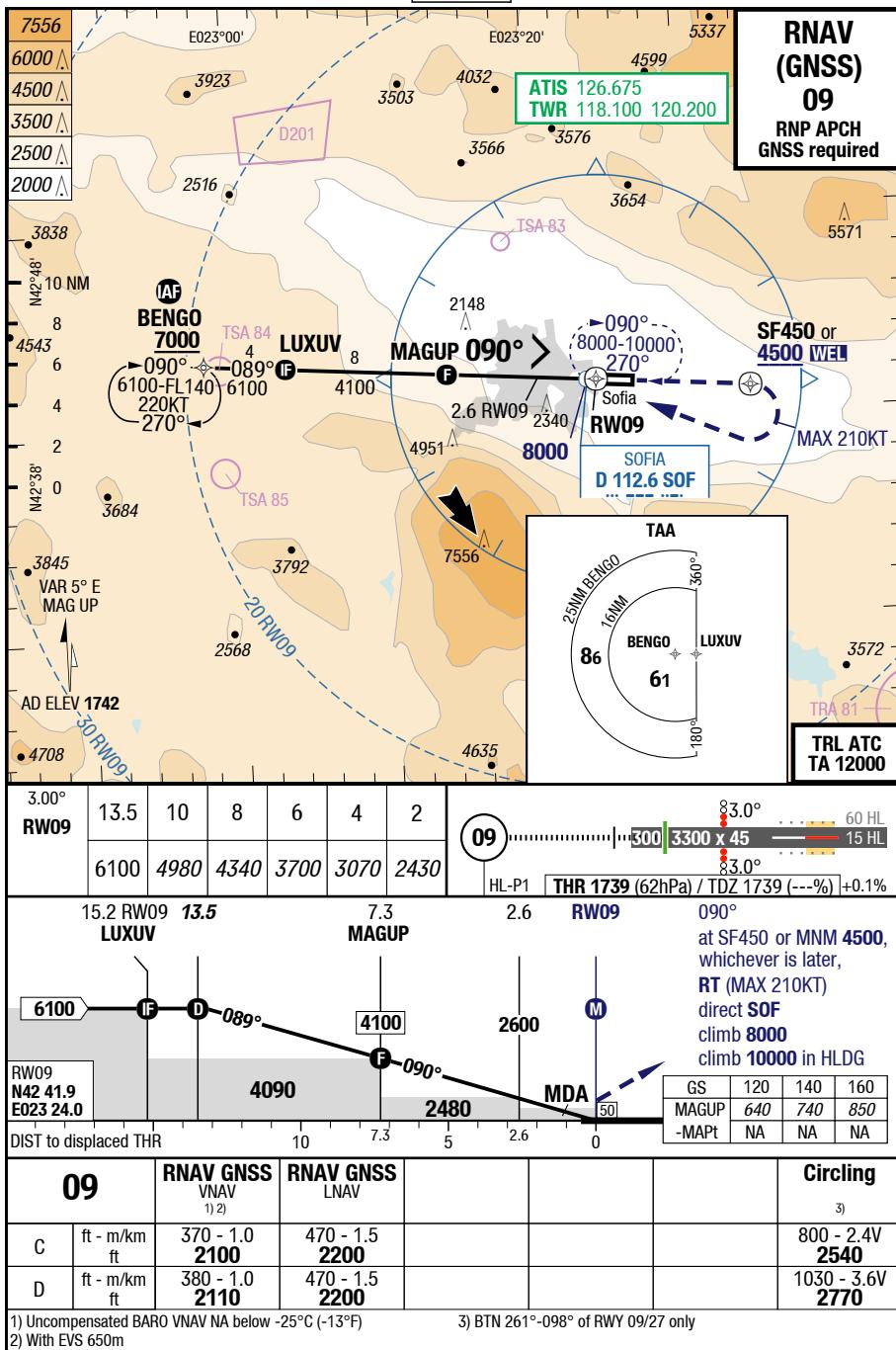
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RNAV (GNSS) 09

RNAV

(GNSS)

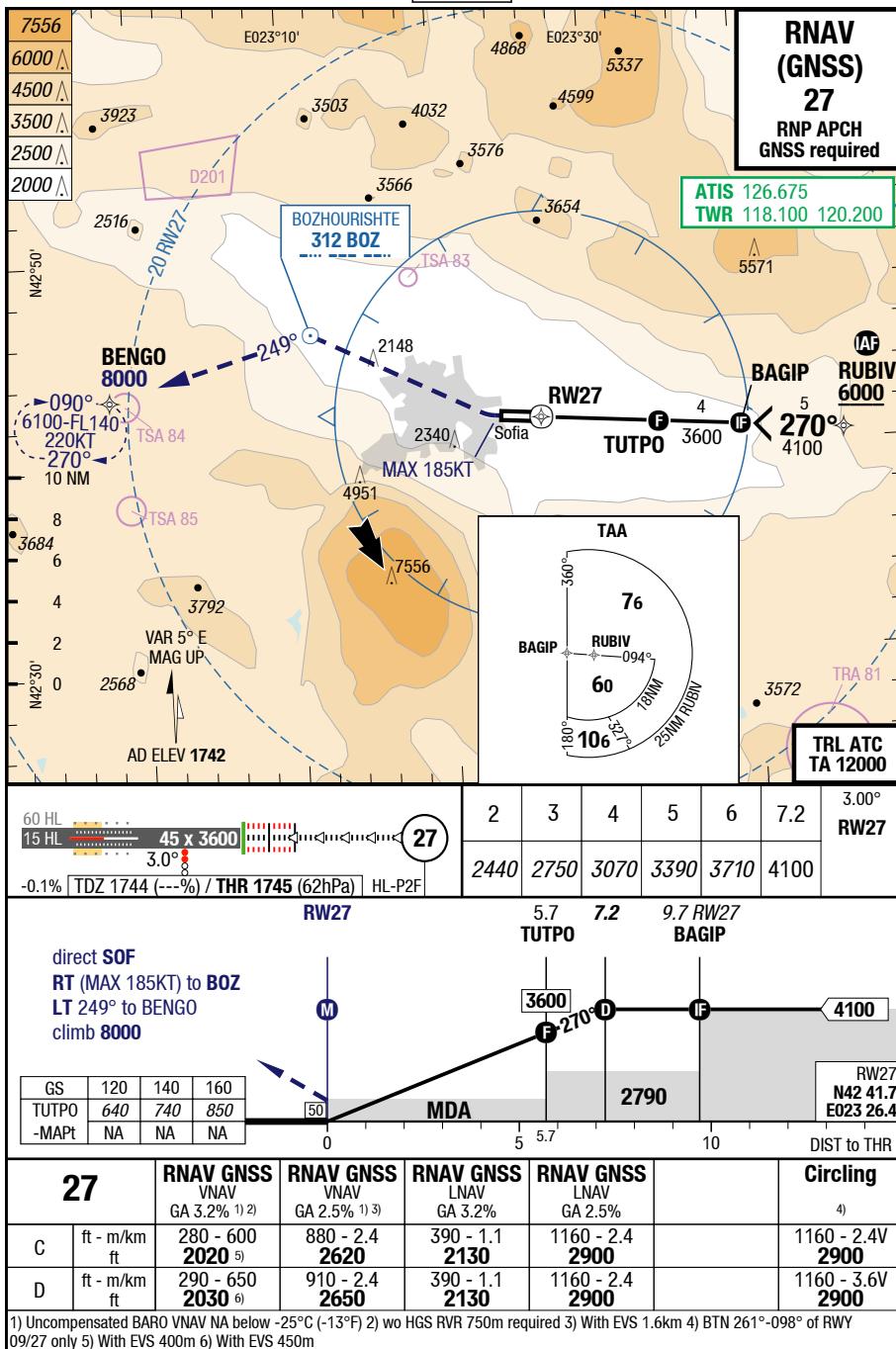
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RNP APCH
GNSS required



SOF-LBSF

7-60

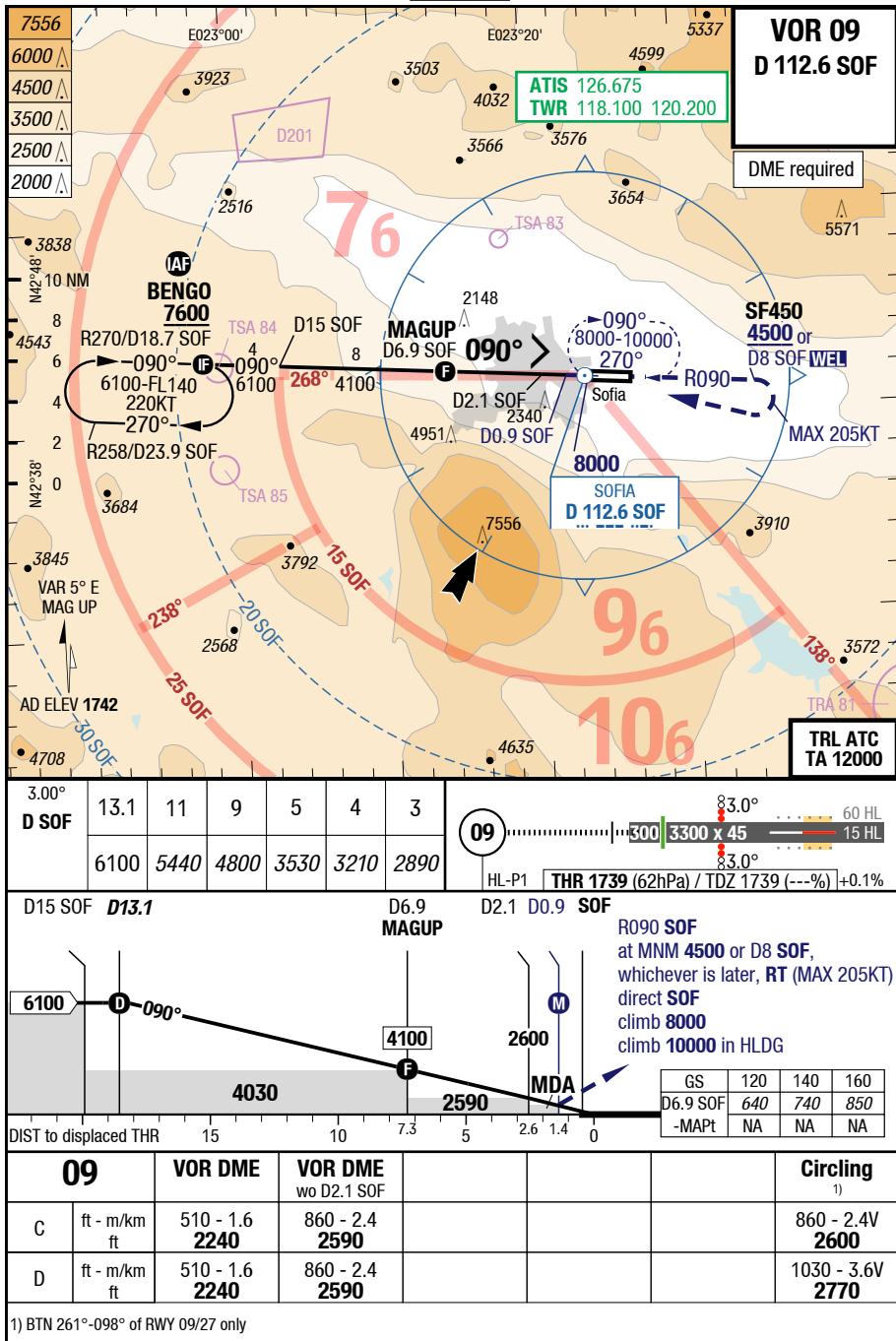
RNAV (GNSS) 27



Changes: FAT, MSA, Track, MIN, VAR, TAA, HLDG, TCH

7-70

VOR 09



SOF-LBSF

7-80

VOR 27

Changes: FAT MSA Track MIN VA

Effective 16-AUG-2018

09-AUG-2018

SOF-LBSF

8-10

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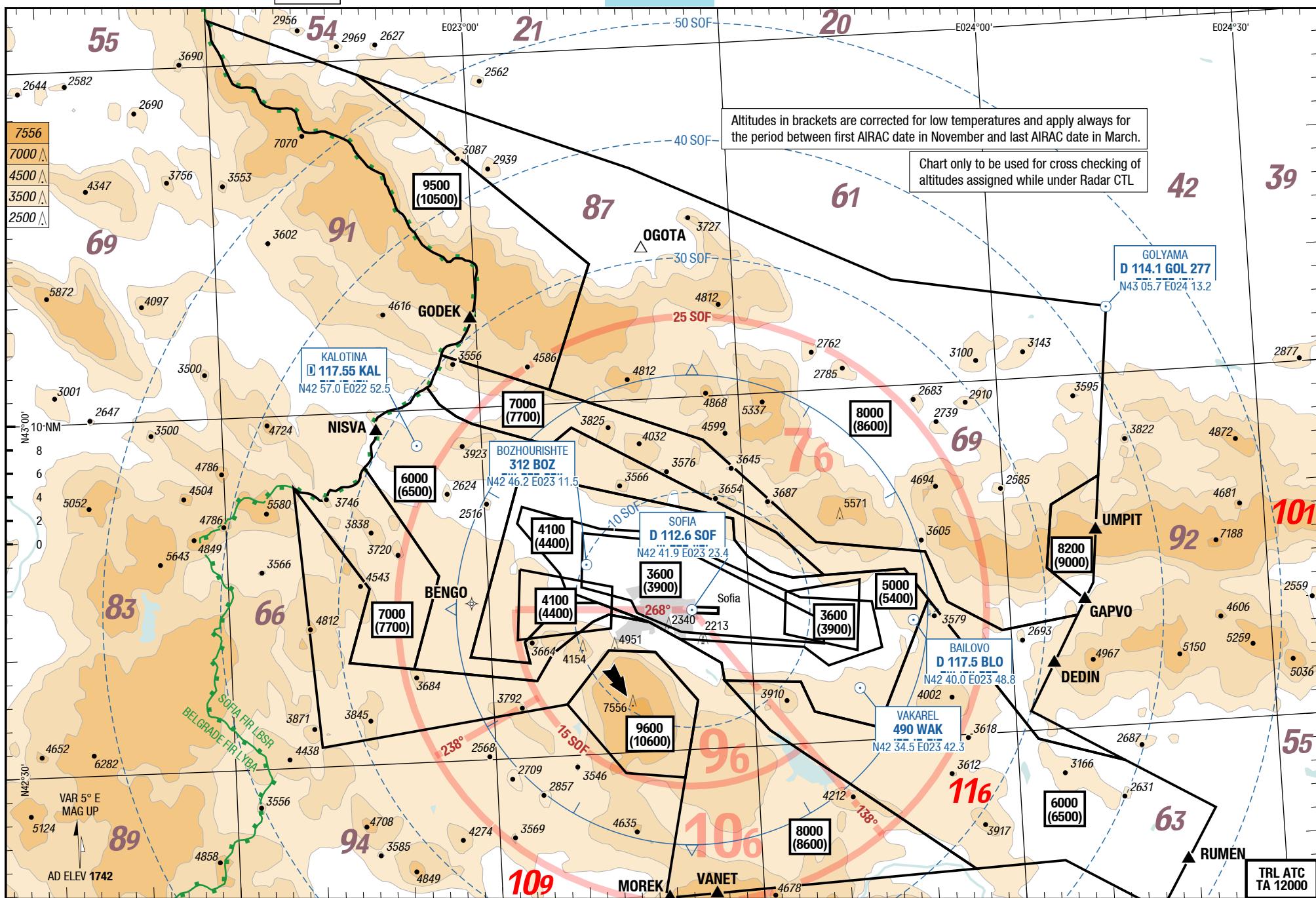
NIL

MRC

Sofia Bulgaria

NIL

MRC



Changes: MSA, VAR