

VOG-URWW

1-10

AOI

GENERAL

Operational Hours

ATS Hours / AD OPS Hours: H24

AD ADMIN Hours: MON-FRI 0700-1600, SAT/SUN/HOL U/S

Airport Information

RFF: CAT 7

Fuel: TS-1

PCN: RWY 06/24: 58/R/B/X/T

Operation

RWY Restriction

RWY 06: ACFT with MTOM 50t / 110230lbs and above must make 180° turn strictly on RWY turn pad.

TWY Restriction

TWY B, D, M, N width 21m / 69ft.

Taxi/Parking

Taxing out of stands shall be carried out by towing.

Taxi guide lines may be invisible because of snow. Follow-me AVBL O/R via GND.

Warnings

| Birds in vicinity of AD.

ARRIVAL

Communication

COM Failure: See CRAR.

DEPARTURE

Take-off Minima

RWY		06/24	
All ACFT	ft - m/km	0 - 200V	-

Communication

COM Failure: See CRAR.

Departure Procedure

Start-up/Push-back

Report stand and ATIS code letter when requesting ENG start-up.

Noise Abatement Procedures

| Use NAP according to AFM.

Noise abatement procedures during TKOF are not applied in the following cases:

- wind shear
- moderate bumpiness
- icing.

De-Icing

AVBL.

Effective 13-SEP-2018

06-SEP-2018

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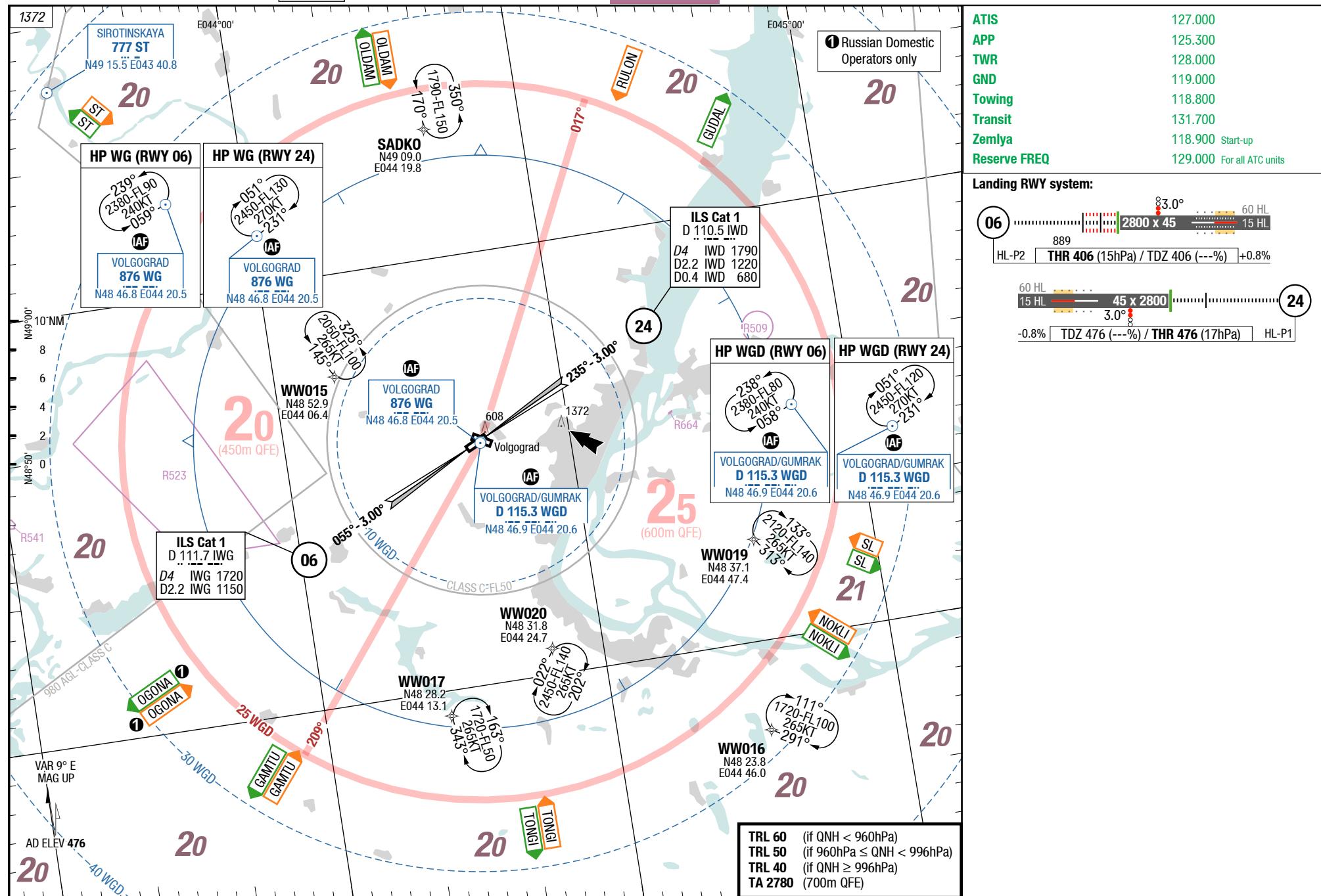
AGC
AFC

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AF

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AGC

AGG

AGG

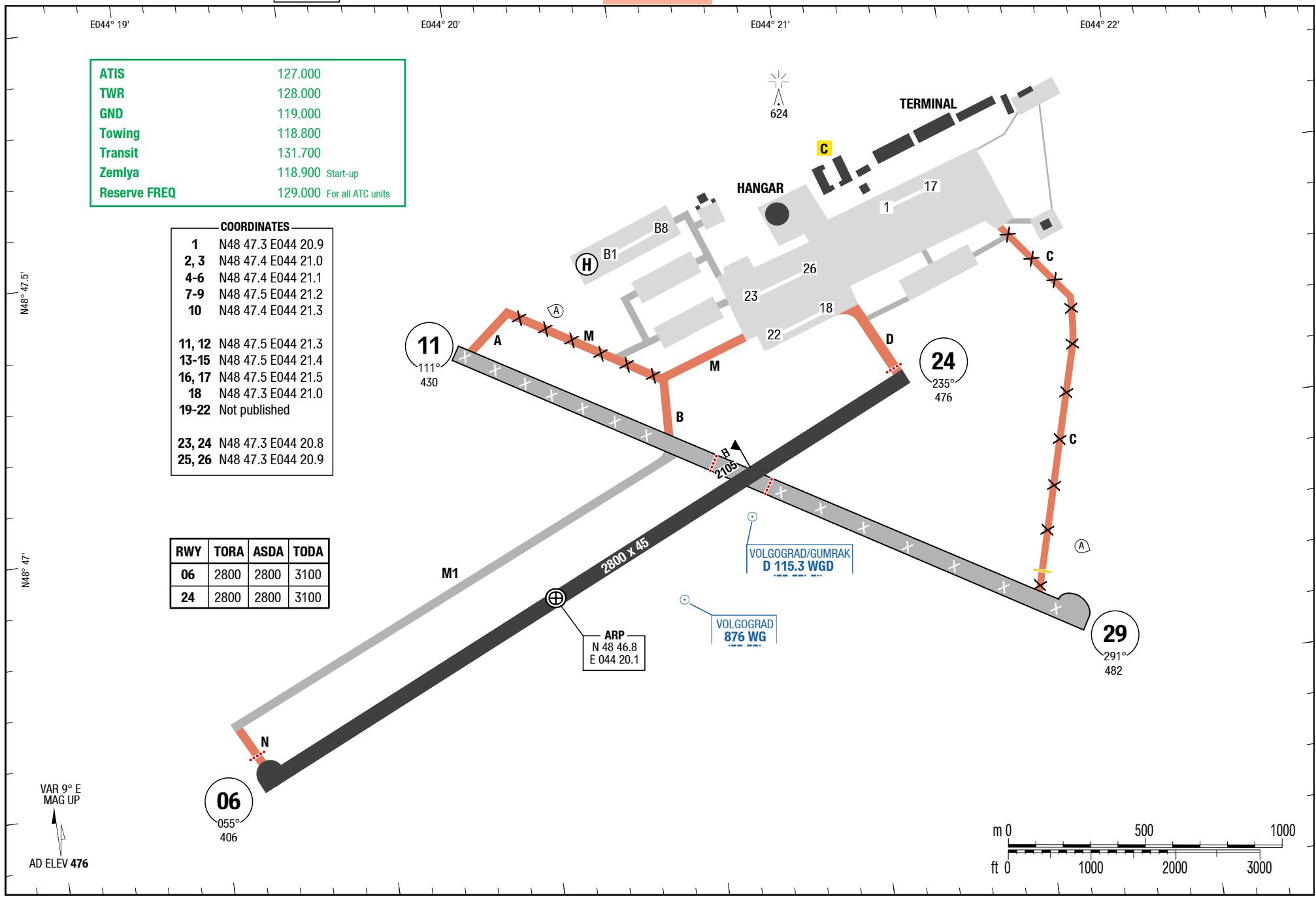
AGC

ATIS	127.000
TWR	128.000
GND	119.000
Towing	118.800
Transit	131.700
Zemlya	118.900 Start-up
Reserve FREQ	129.000 For all ATC units

- COORDINATES -

- | | |
|---------------|--------------------|
| 1 | N48 47.3 E044 20.9 |
| 2, 3 | N48 47.4 E044 21.0 |
| 4-6 | N48 47.4 E044 21.1 |
| 7-9 | N48 47.5 E044 21.2 |
| 10 | N48 47.4 E044 21.3 |
| 11, 12 | N48 47.5 E044 21.3 |
| 13-15 | N48 47.5 E044 21.4 |
| 16, 17 | N48 47.5 E044 21.5 |
| 18 | N48 47.3 E044 21.0 |
| 19-22 | Not published |
| 23, 24 | N48 47.3 E044 20.8 |
| 25, 26 | N48 47.3 E044 20.9 |

RWY	TORA	ASDA	TODA
06	2800	2800	3100
24	2800	2800	3100



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14-JUL-2016

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RNAV SIDs RWY 06

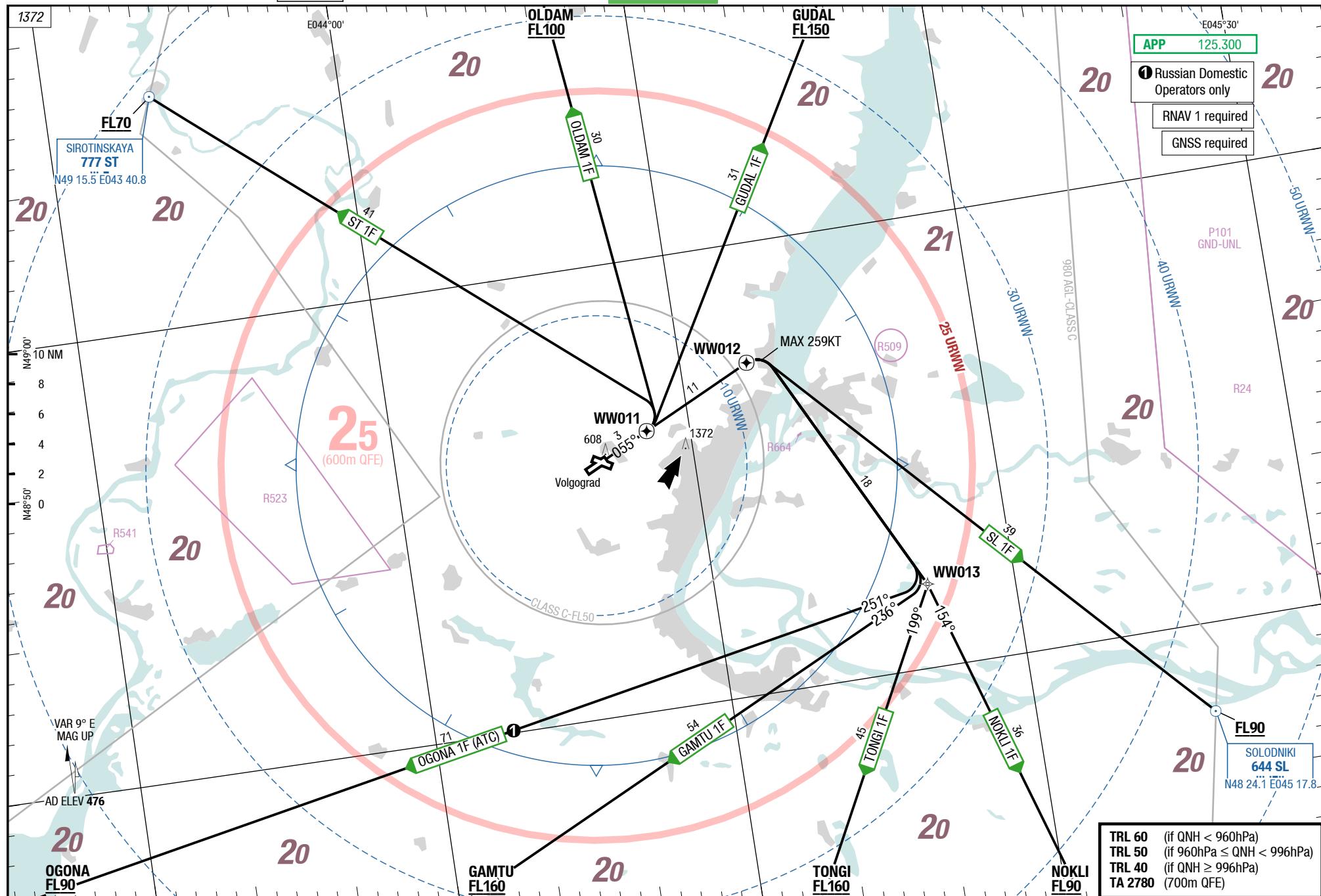
SID

SID

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RNAV SIDs RWY 24

RNAV SIDs RWY 06



Changes: New

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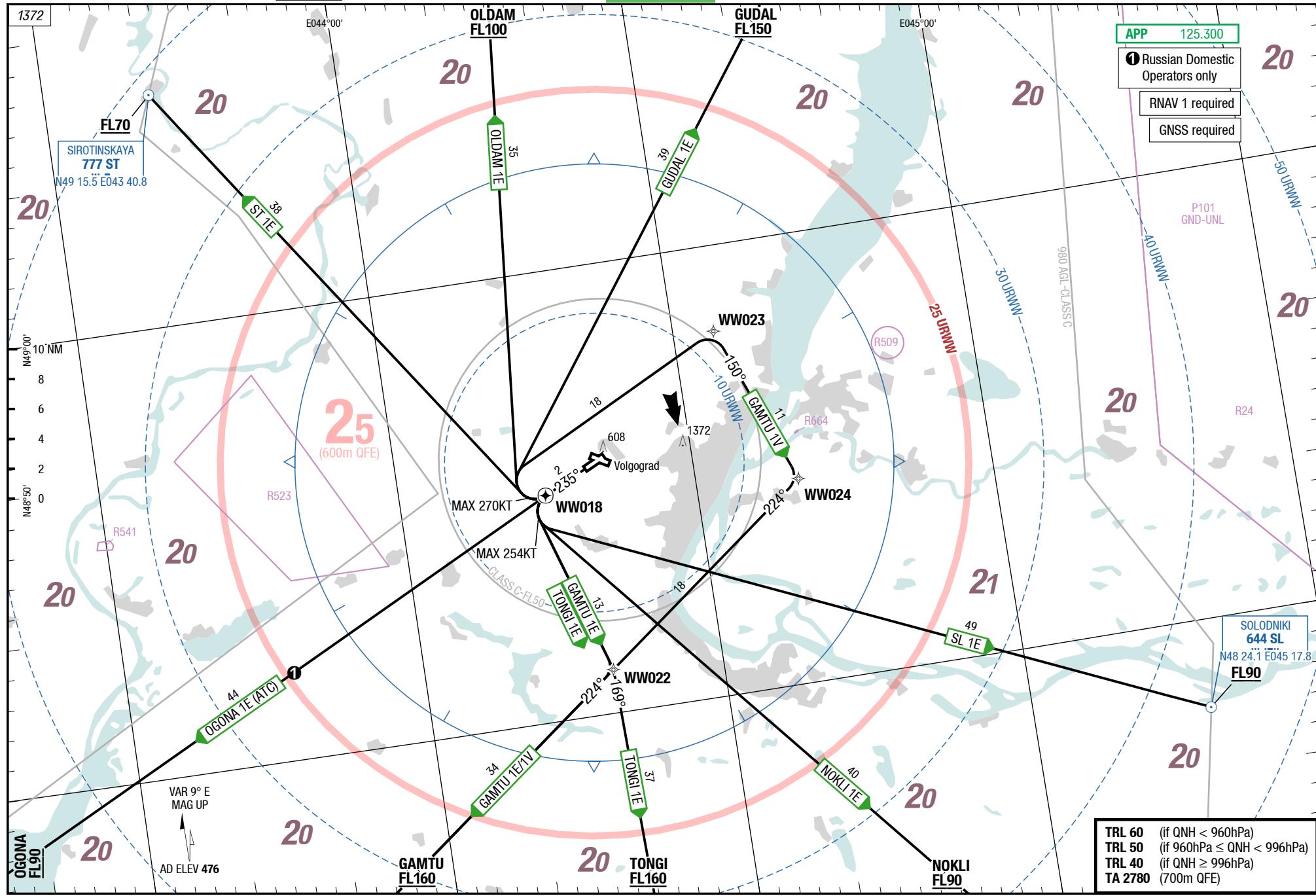
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RNAV SIDs RWY 24

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SID

RNAV SIDs RWY 24



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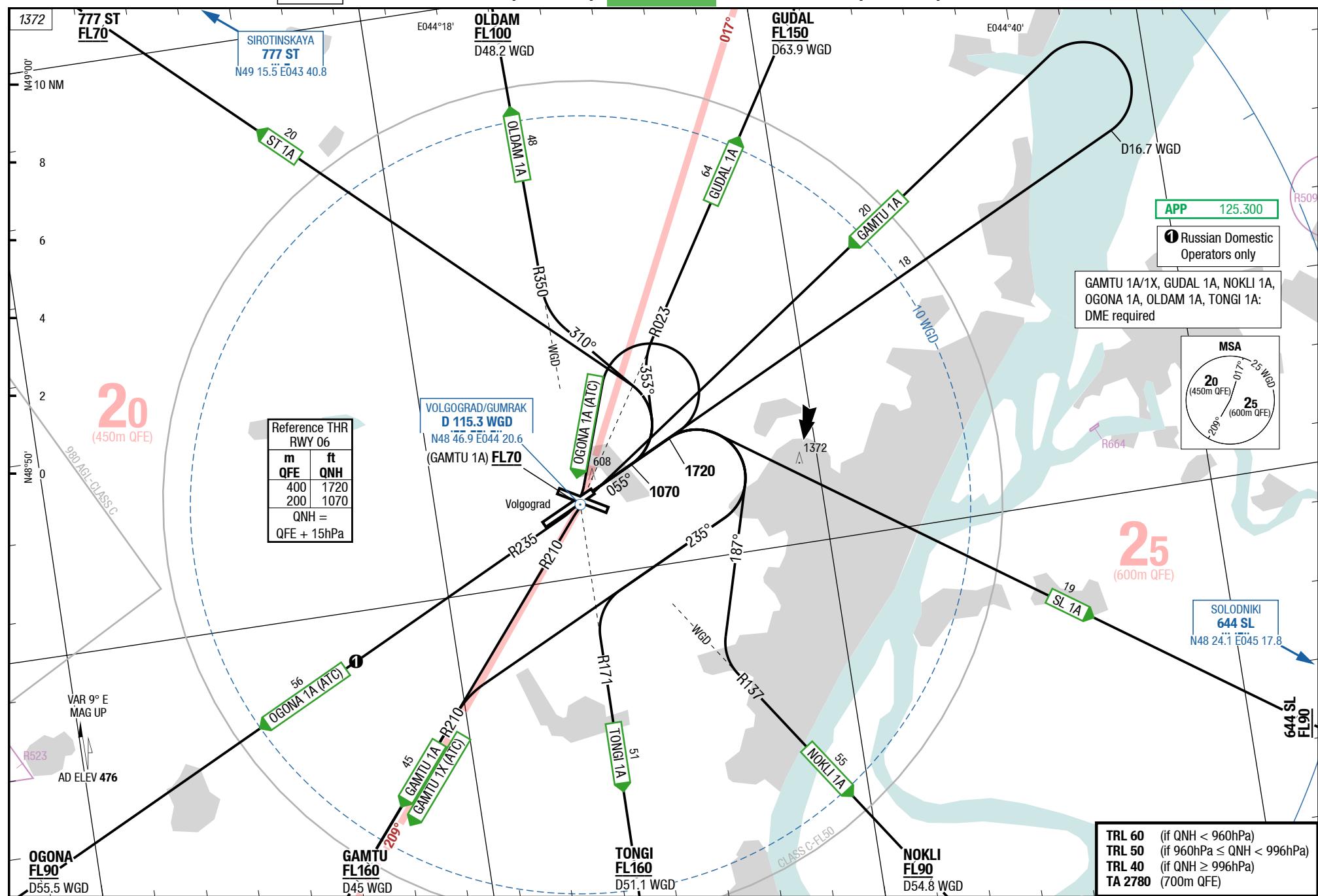
SIDs RWY 06 (via VOR)

SD

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SIDs RWY 06 (via ND)

SIDs RWY 06 (via VOR)



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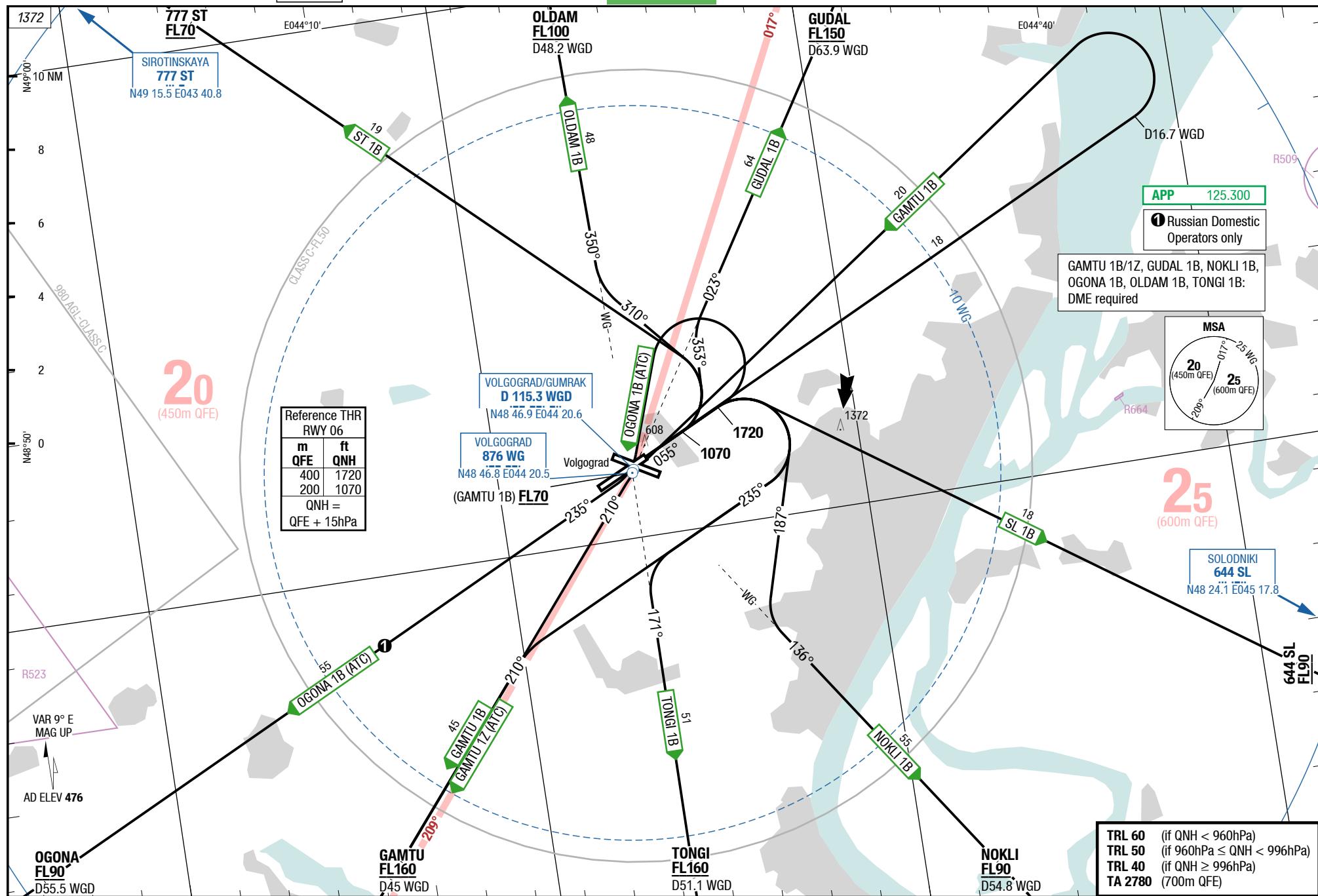
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SIDs RWY 06 (via NDB)

SID

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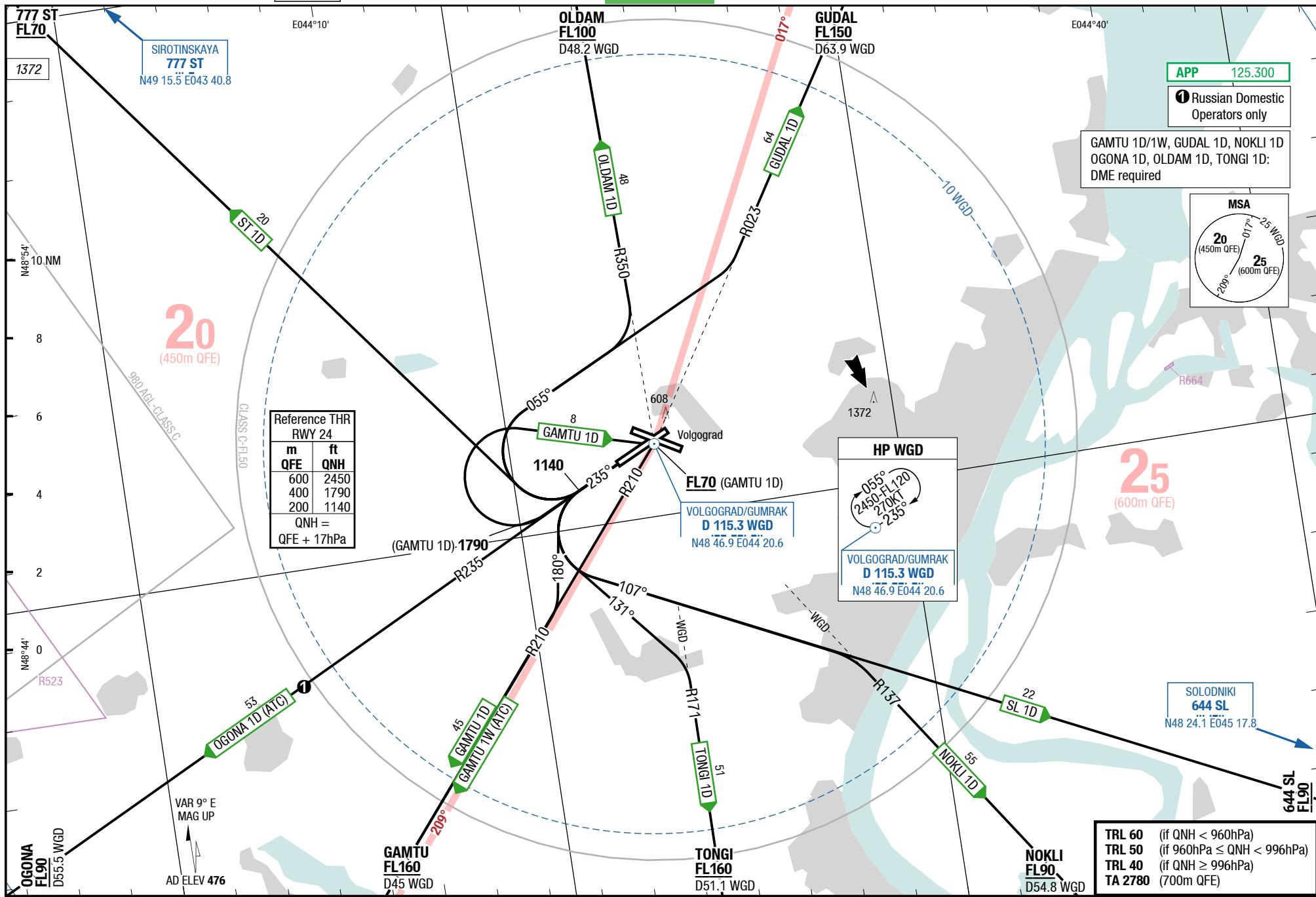
SIDs RWY 24 (via VOR)

SID

SID

SIDs RWY 24 (via NDB)

SIDs RWY 24 (via VOR)



Changes: New

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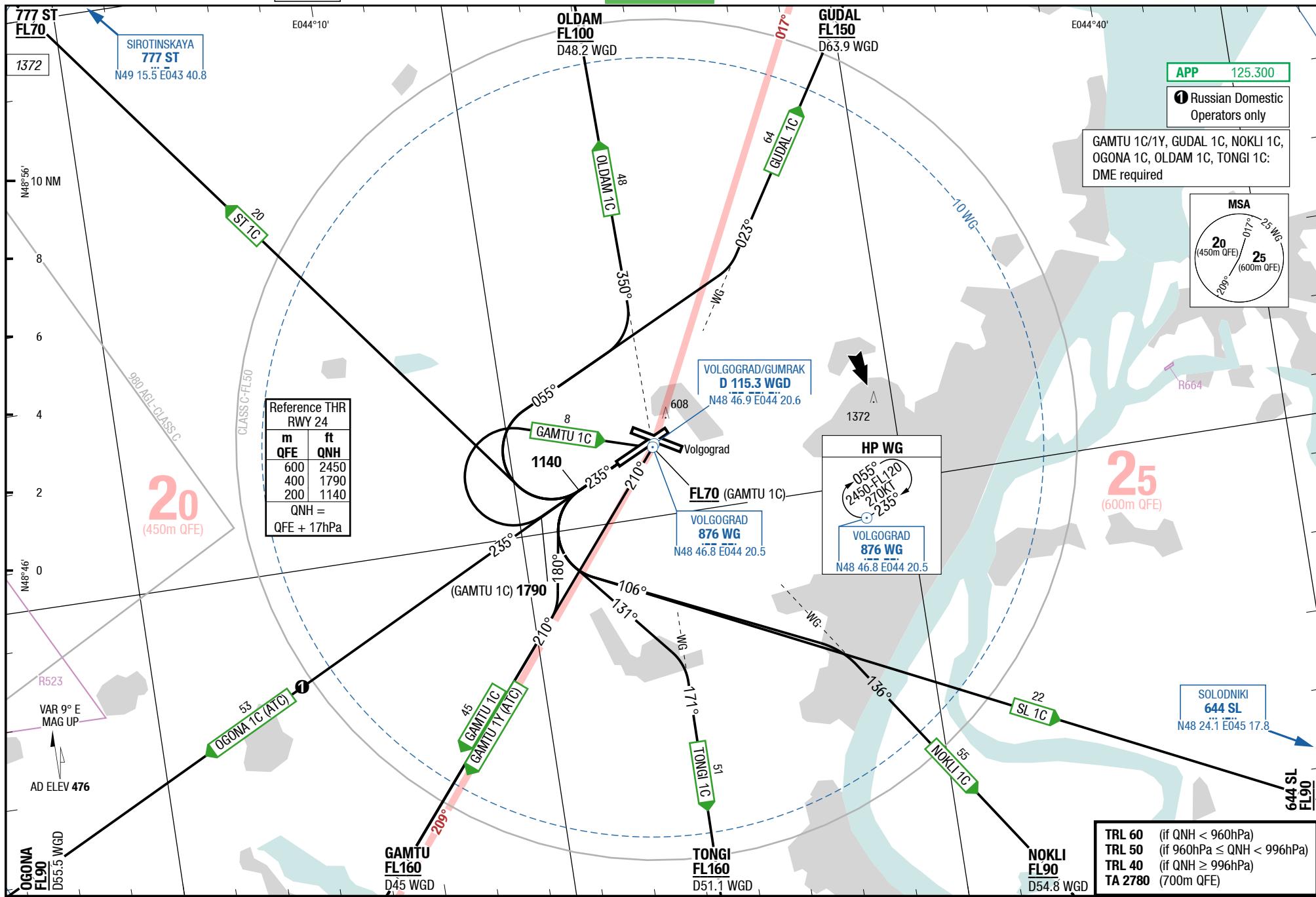
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SIDs RWY 24 (via NDB)

SID SID

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SIDs RWY 24 (via NDB)



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RNAV SIDs RWY 06

SIDPT

GAMTU 1F / GUDAL 1F / NOKLI 1F / OGONA 1F / OLDAM 1F / SL 1F / ST 1F / TONGI 1F
RWY 06 (055°)

	GS	120	150	180	210	240	270
3.7%	ft/MIN	500	600	700	800	900	1100
3.8%	ft/MIN	500	600	700	900	1000	1100

DESIGNATOR	ROUTING	ALTITUDES
	Runway 06	
GAMTU 1F 125.300	<u>WW012 [K259-]</u> - WW013 - GAMTU	GAMTU MNM FL160
GUDAL 1F 3.8% to FL150 125.300 ①	<u>WW011</u> - GUDAL	GUDAL MNM FL150
NOKLI 1F 125.300	<u>WW012 [K259-]</u> - WW013 - NOKLI	NOKLI MNM FL90
OGONA 1F (ATC) 125.300 ②	<u>WW012 [K259-]</u> - WW013 - OGONA	OGONA MNM FL90
OLDAM 1F 125.300	<u>WW011</u> - OLDAM	OLDAM MNM FL100
SL 1F 125.300	<u>WW012 [K259-]</u> - SL	SL MNM FL90
ST 1F 125.300	<u>WW011</u> - ST	ST MNM FL70
TONGI 1F 3.7% to FL160 125.300 ①	<u>WW012 [K259-]</u> - WW013 - TONGI	TONGI MNM FL160

① Climb gradient due to airspace limitation.

② Russian Domestic Operators only.

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RNAV SIDs RWY 24

GAMTU 1E / GAMTU 1V / GUDAL 1E / NOKLI 1E / OGONA 1E / OL DAM 1E / SL 1E / ST 1E /
TONGI 1E
 RWY 24 (235°)

	GS	120	150	180	210	240	270
3.5%	ft/MIN	500	600	700	800	900	1000
5.0%	ft/MIN	700	800	1000	1100	1300	1400
5.3%	ft/MIN	700	900	1000	1200	1300	1500

DESIGNATOR	ROUTING	ALTITUDES
	Runway 24	
GAMTU 1E 5.3% to FL160 125.300 ①	<u>WW018 [K254-]</u> - WW022 - GAMTU	GAMTU MNM FL60
GAMTU 1V 125.300	<u>WW018 [K270-]</u> - WW023 - WW024 - WW022 - GAMTU	GAMTU MNM FL160
GUDAL 1E 3.5% to FL150 125.300 ①	<u>WW018 [K270-]</u> - GUDAL	GUDAL MNM FL150
NOKLI 1E 125.300	<u>WW018 [K254-]</u> - NOKLI	NOKLI MNM FL90
OGONA 1E (ATC) 125.300 ②	<u>WW018</u> - OGONA	OGONA MNM FL90
OLDAM 1E 125.300	<u>WW018 [K270-]</u> - OLDAM	OLDAM MNM FL100
SL 1E 125.300	<u>WW018 [K254-]</u> - SL	SL MNM FL90
ST 1E 125.300	<u>WW018 [K270-]</u> - ST	ST MNM FL70
TONGI 1E 5.0% to FL160 125.300 ①	<u>WW018 [K254-]</u> - WW022 - TONGI	TONGI MNM FL160

① Climb gradient due to airspace limitation.

② Russian Domestic Operators only.

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SIDs RWY 06 (via VOR)

GAMTU 1A / GAMTU 1X / GUDAL 1A / NOKLI 1A / OGONA 1A / OLDAM 1A / SL 1A / ST 1A / TONGI 1A
RWY 06 (055°)

	GS	120	150	180	210	240	270
3.8%	ft/MIN	500	600	700	900	1000	1100
4.3%	ft/MIN	600	700	800	1000	1100	1200
4.5%	ft/MIN	600	700	900	1000	1100	1300

DESIGNATOR	ROUTING	ALTITUDES
	Runway 06	
GAMTU 1A 125.300	at D16.7 WGD LT to WGD - R210 WGD to GAMTU	WGD MNM FL70 GAMTU MNM FL160
GAMTU 1X (ATC) 4.5% to FL160 125.300 ①	at 1720 RT 235° - intercept R210 WGD to GAMTU	GAMTU MNM FL160
GUDAL 1A 3.8% to FL150 125.300 ①	at 1070 LT 353° - intercept R023 WGD to GUDAL	GUDAL MNM FL150
NOKLI 1A 125.300	at 1720 RT 187° - intercept R137 WGD to NOKLI	NOKLI MNM FL90
OGONA 1A (ATC) 125.300 ②	at 1720 LT to WGD - R235 WGD to OGONA	OGONA MNM FL90
OLDAM 1A 125.300	at 1070 LT 310° - intercept R350 WGD to OLDAM	OLDAM MNM FL100
SL 1A 125.300	at 1720 RT direct SL	SL MNM FL90
ST 1A 125.300	at 1070 LT direct ST	ST MNM FL70
TONGI 1A 4.3% to FL160 125.300 ①	at 1720 RT 235° - intercept R171 WGD to TONGI	TONGI MNM FL160

① Climb gradient due to airspace limitation.

② Russian Domestic Operators only.

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SIDs RWY 06 (via NDB)

SIDPT

GAMTU 1B / GAMTU 1Z / GUDAL 1B / NOKLI 1B / OGONA 1B / OLDAM 1B / SL 1B / ST 1B / TONGI 1B
RWY 06 (055°)

	GS	120	150	180	210	240	270
3.8%	ft/MIN	500	600	700	900	1000	1100
4.3%	ft/MIN	600	700	800	1000	1100	1200
4.5%	ft/MIN	600	700	900	1000	1100	1300

DESIGNATOR	ROUTING	ALTITUDES
	Runway 06	
GAMTU 1B 125.300 ①	at D16.7 WGD LT to WG - QDR 210 WG to GAMTU	WG MNM FL70 GAMTU MNM FL160
GAMTU 1Z (ATC) 4.5% to FL160 125.300 ①	at 1720 RT 235° - intercept QDR 210 WG to GAMTU	GAMTU MNM FL160
GUDAL 1B 3.8% to FL 150 125.300 ①	at 1070 LT 353° - intercept QDR 023 WG to GUDAL	GUDAL MNM FL150
NOKLI 1B 125.300	at 1720 RT 187° - intercept QDR 136 WG to NOKLI	NOKLI MNM FL90
OGONA 1B (ATC) 125.300 ②	at 1720 LT to WG - QDR 235 WG to OGONA	OGONA MNM FL90
OLDAM 1B 125.300	at 1070 LT 310° - intercept QDR 350 WG to OLDAM	OLDAM MNM FL100
SL 1B 125.300	at 1720 RT direct SL	SL MNM FL90
ST 1B 125.300	at 1070 LT direct ST	ST MNM FL70
TONGI 1B 4.3% to FL160 125.300 ①	at 1720 RT 235° - intercept QDR 171 WG to TONGI	TONGI MNM FL160

① Climb gradient due to airspace limitation.

② Russian Domestic Operators only.

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SIDs RWY 24 (via VOR)

SIDPT

GAMTU 1D / GAMTU 1W / GUDAL 1D / NOKLI 1D / OGONA 1D / OL DAM 1D / SL 1D / ST 1D / TONGI 1D
RWY 24 (235°)

	GS	120	150	180	210	240	270
3.4%	ft/MIN	500	600	700	800	900	1000
5.1%	ft/MIN	700	800	1000	1100	1300	1400
6.0%	ft/MIN	800	1000	1100	1300	1500	1700

DESIGNATOR	ROUTING	ALTITUDES
	Runway 24	
GAMTU 1D 125.300	at 1790 RT to WGD - climb in WGD HLDG (235° INBD, RT) to MNM FL70 - R210 WGD to GAMTU	GAMTU MNM FL160
GAMTU 1W (ATC) 6.0% to FL160 125.300 ①	at 1140 LT 180° - intercept R210 WGD to GAMTU	GAMTU MNM FL160
GUDAL 1D 3.4% to FL150 125.300 ①	at 1140 RT 055° - intercept R023 WGD to GUDAL	WGD MNM FL150
NOKLI 1D 125.300	at 1140 LT 107° - intercept R137 WGD to NOKLI	NOKLI MNM FL90
OGONA 1D (ATC) 125.300 ②	at 1140 intercept R235 WGD to OGONA	OGONA MNM FL90
OLDAM 1D 125.300	at 1140 RT 055° - intercept R350 WGD to OLDAM	OLDAM MNM FL100
SL 1D 125.300	at 1140 LT direct SL	SL MNM FL90
ST 1D 125.300	at 1140 RT direct ST	ST MNM FL70
TONGI 1D 5.1% to FL160 125.300 ①	at 1140 LT 131° - intercept R171 WGD to TONGI	TONGI MNM FL160

① Climb gradient due to airspace limitation.

② Russian Domestic Operators only.

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SIDs RWY 24 (via NDB)

SIDPT

GAMTU 1C / GAMTU 1Y / GUDAL 1C / NOKLI 1C / OGONA 1C / OLDAM 1C / SL 1C / ST 1C / TONGI 1C
 RWY 24 (235°)

	GS	120	150	180	210	240	270
3.4%	ft/MIN	500	600	700	800	900	1000
5.1%	ft/MIN	700	800	1000	1100	1300	1400
6.0%	ft/MIN	800	1000	1100	1300	1500	1700

DESIGNATOR	ROUTING	ALTITUDES
Runway 24		
GAMTU 1C 125.300	at 1790 RT to WG - climb in WG HLDG (235° INBD, RT) to MNM FL160 FL70 - QDR 210 WG to GAMTU	GAMTU MNM FL160
GAMTU 1Y (ATC) 6.0% to FL160 125.300 ①	at 1140 LT 180° - intercept QDR 210 WG to GAMTU	GAMTU MNM FL160
GUDAL 1C 3.4% to FL150 125.300 ①	at 1140 RT 055° - intercept QDR 023 WG to GUDAL	GUDAL MNM FL150
NOKLI 1C 125.300	at 1140 LT 106° - intercept QDR 136 WG to NOKLI	NOKLI MNM FL90
OGONA 1C (ATC) 125.300 ②	at 1140 intercept QDR 235 WG to OGONA	OGONA MNM FL90
OLDAM 1C 125.300	at 1140 RT 055° - intercept QDR 350 WG to OLDAM	OLDAM MNM FL100
SL 1C 125.300	at 1140 LT direct SL	SL MNM FL90
ST 1C 125.300	at 1140 RT direct ST	ST MNM FL70
TONGI 1C 5.1% to FL160 125.300 ①	at 1140 LT 131° - intercept QDR 171 WG to TONGI	TONGI MNM FL160

① Climb gradient due to airspace limitation.

② Russian Domestic Operators only.

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RNAV STARs RWY 06

This figure is an aeronautical chart covering the Volgograd region, featuring the following key elements:

- Flight Levels (FL):** FL80, FL90, FL100, FL150, FL200, FL250, FL300.
- Waypoints:** SIROTINSKAYA 777 ST, OLDAM 1G, RULON 1G, WW014, WW015, WW003, WW002, WW001, WW017, OGONA 1G (ATC), GAMTU 1G, TONGI 1G, SL1G, NOKLI 1G, SOLODNIKI 644 SL.
- Runway Information:** Reference THR RWY 06, QFE/QNH values (e.g., 700m QFE, 2710ft QNH).
- Vertical Navigation (RNAV) Requirements:** RNAV 1 required, GNSS required.
- Approach and Departure Information:** ATIS APP 127.000, 125.300, P101 GND-UNL, R509, R664, R24.
- Special Instructions:** TAA (Traffic Alert and Collision Avoidance System) information for RWY 06, TRL 60, TRL 50, TRL 40, TA 2780.
- Geographic Labels:** Volgograd, 1372, 608, R541, R523.
- Other:** VAR 9° E MAG UP, AD ELEV 476, 073°, 45°, 046°, 342°, 291°, 111°, 1720-FL100, 265°, 33°, 345°, 342°, 291°, 1720, 260°.

Changes: New

Effective 21-JUL-2016

14-JUL-2016

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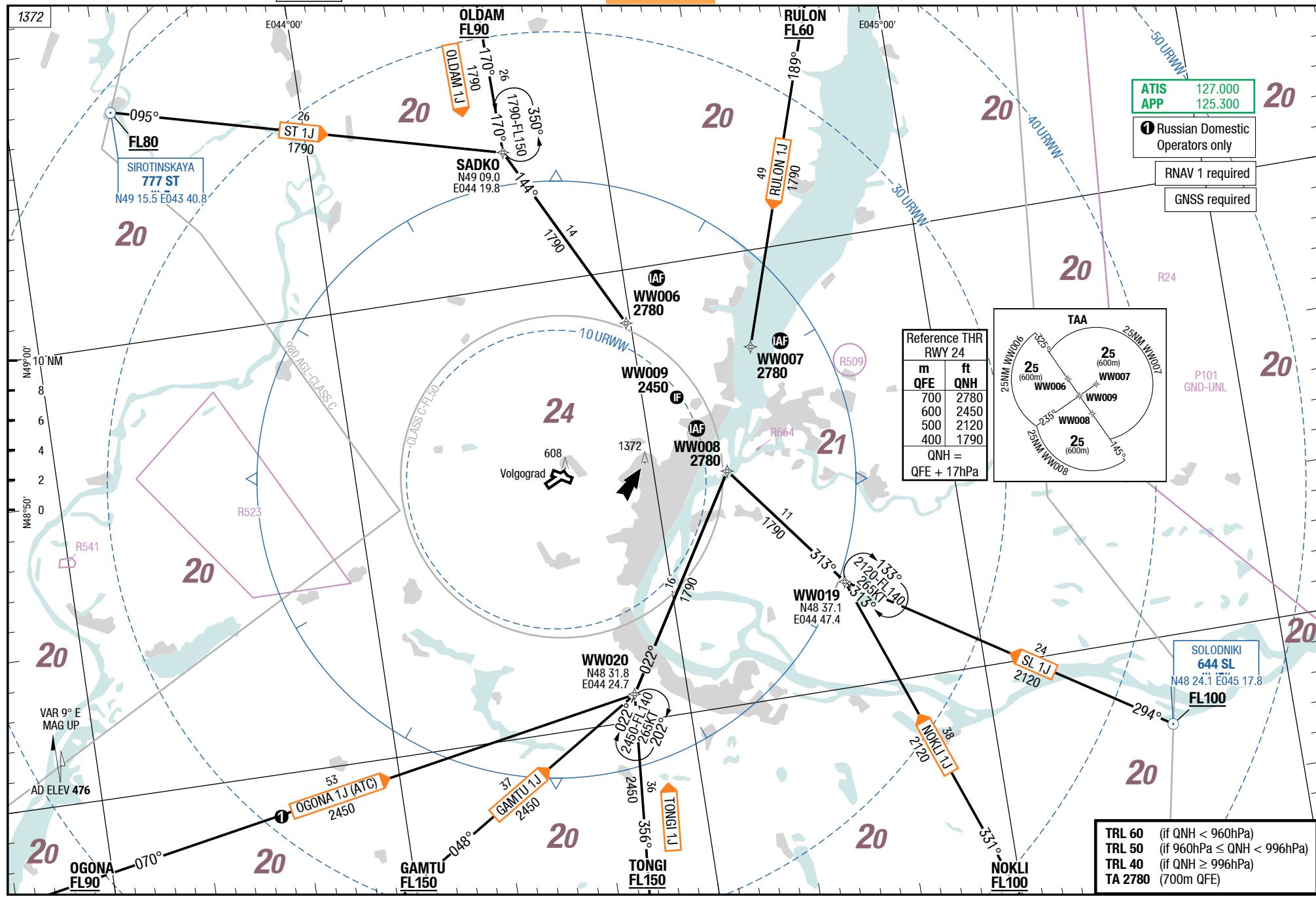
6-20

RNAV STARs RWY 24

STAR

STAR

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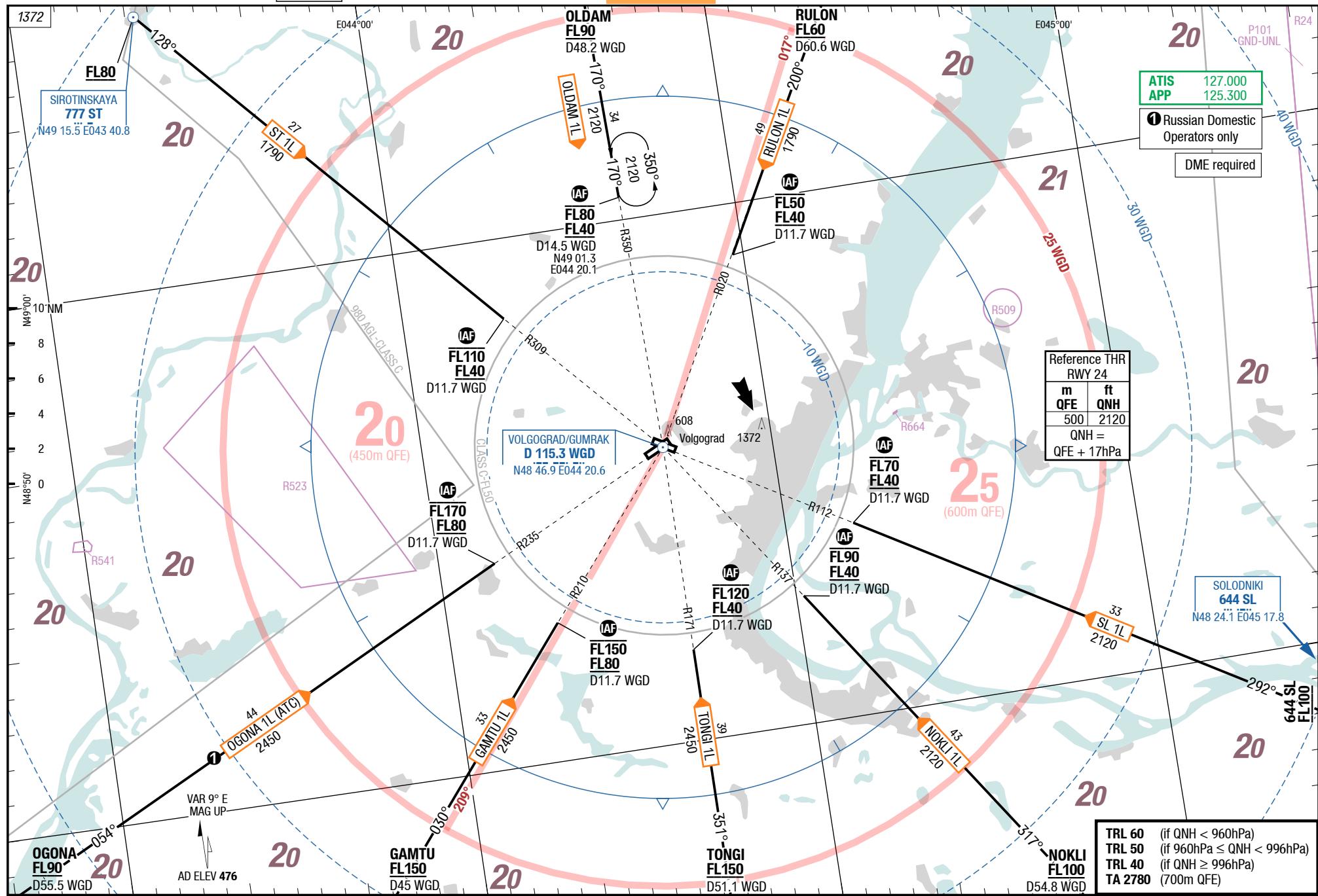
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STARs RWY 24

STAR

STAR

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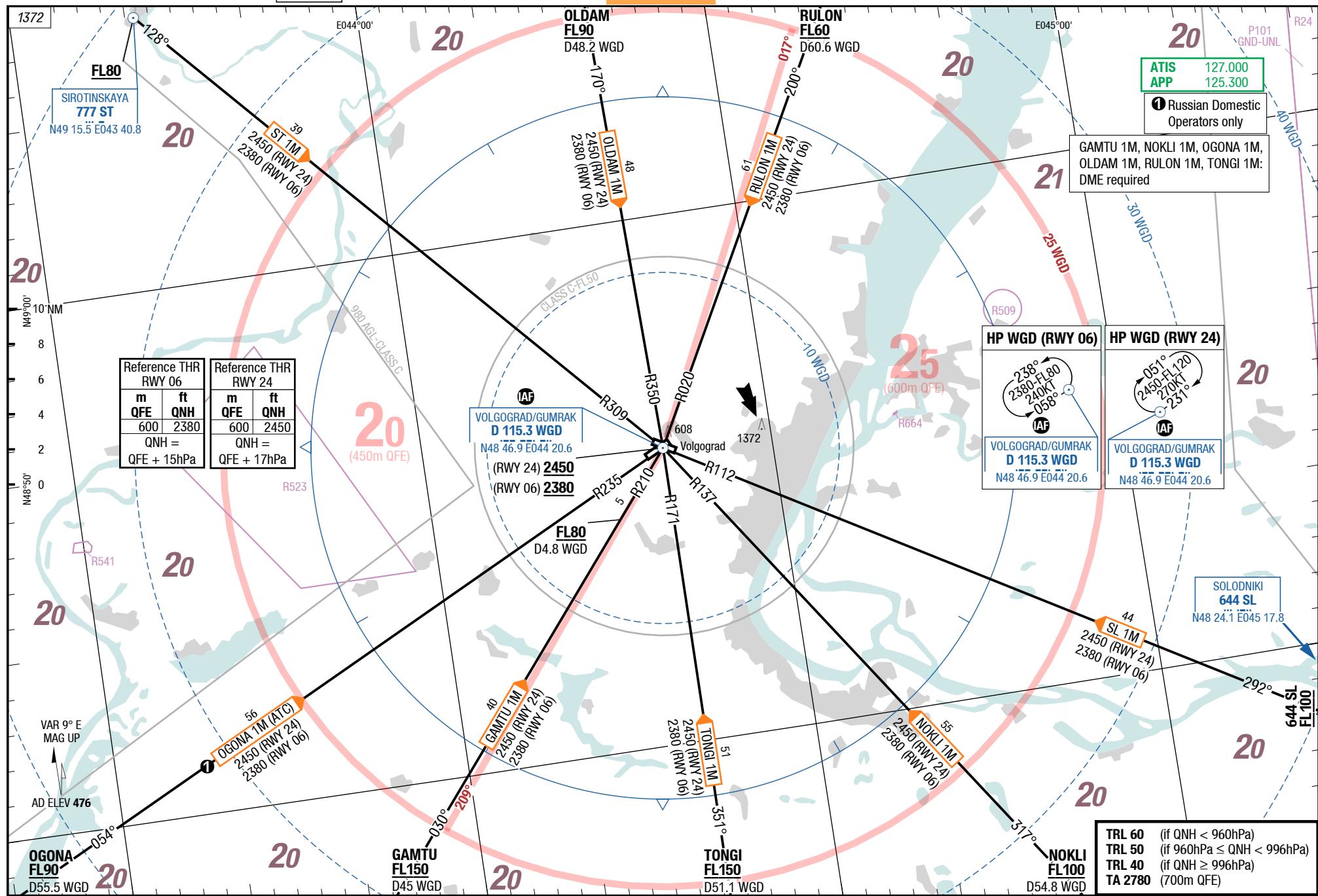
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STARs (via VOR)

STARs (via VOR)



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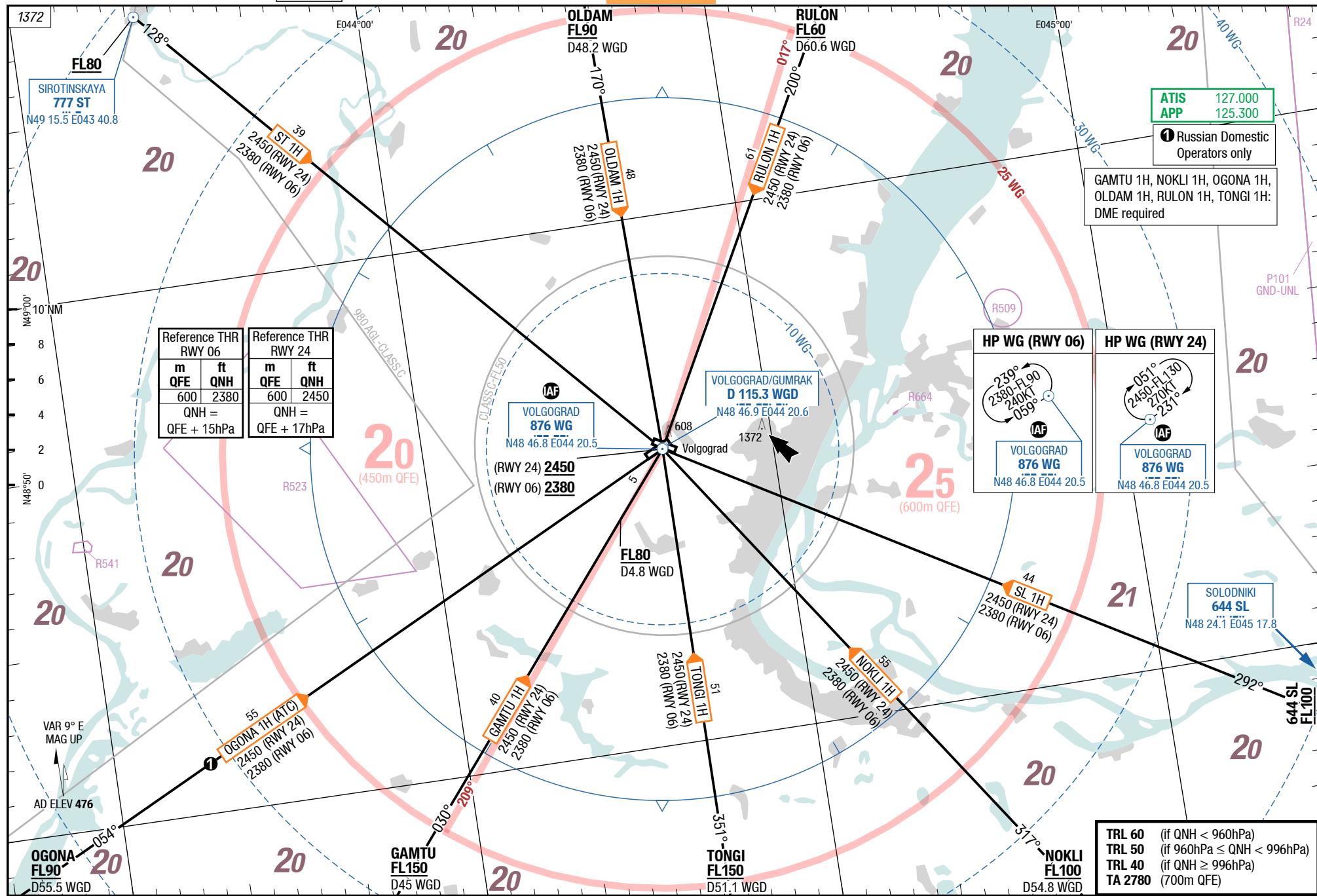
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6-60

STARs (via NDB)



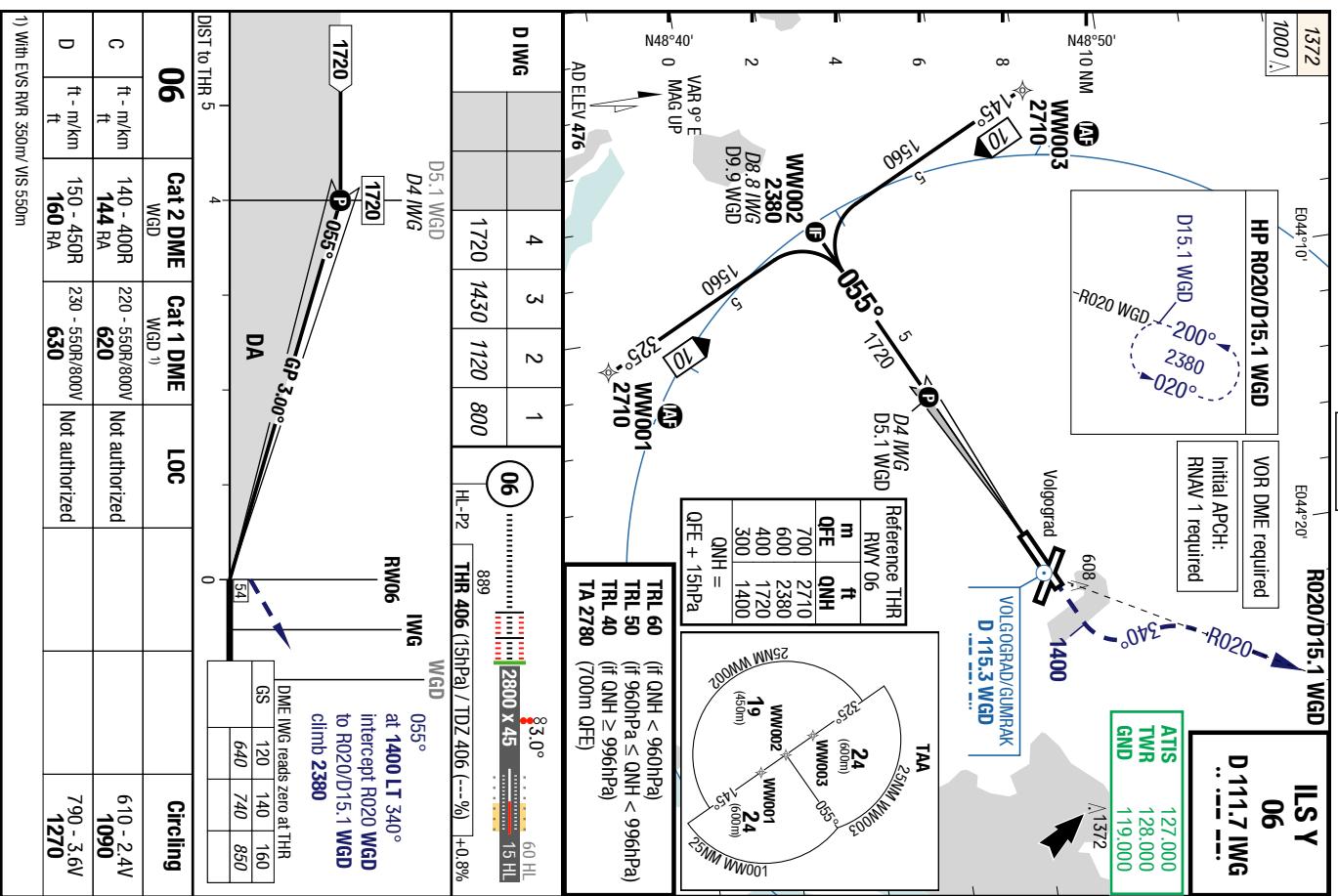
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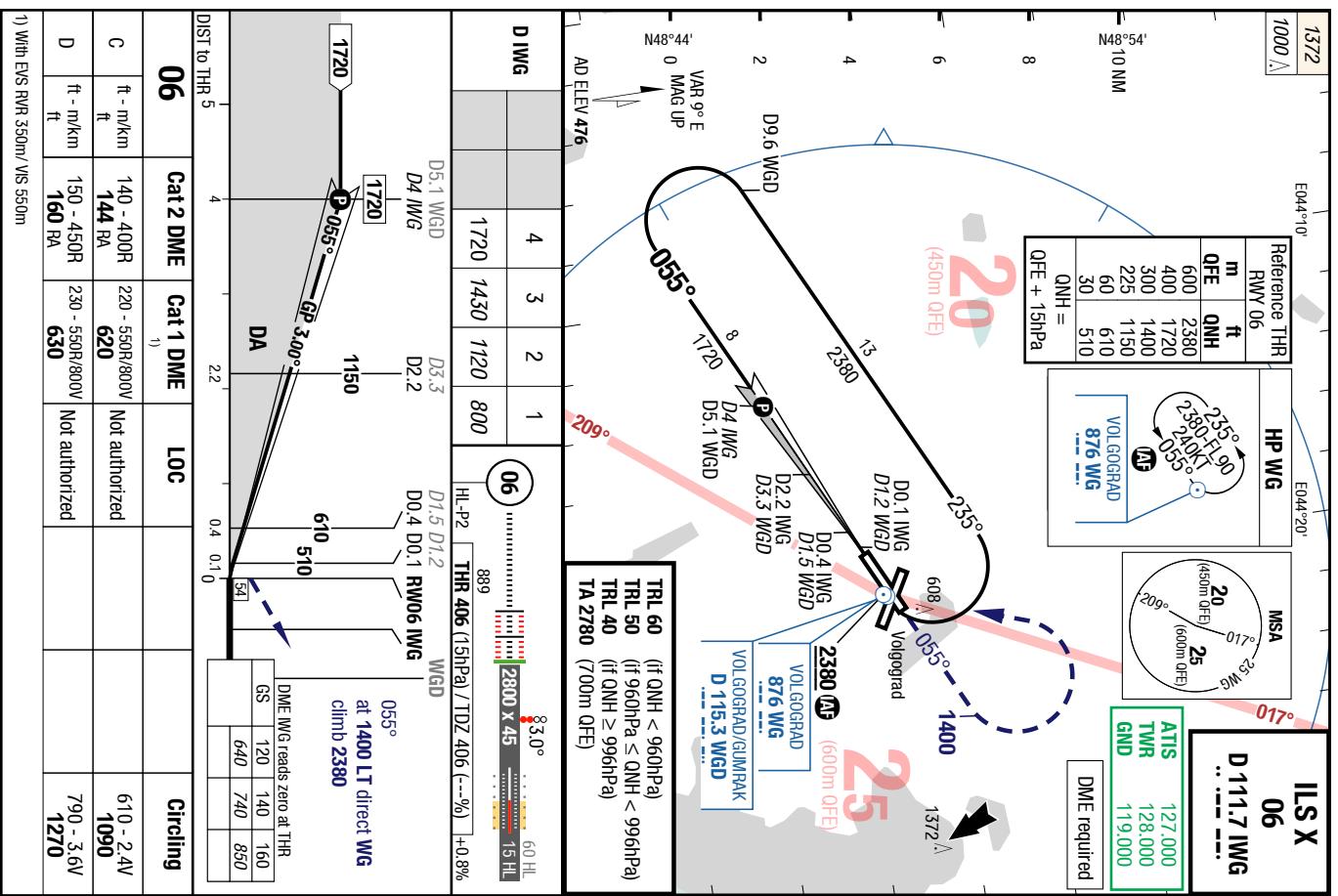
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ILS X 06



Changes: MIN



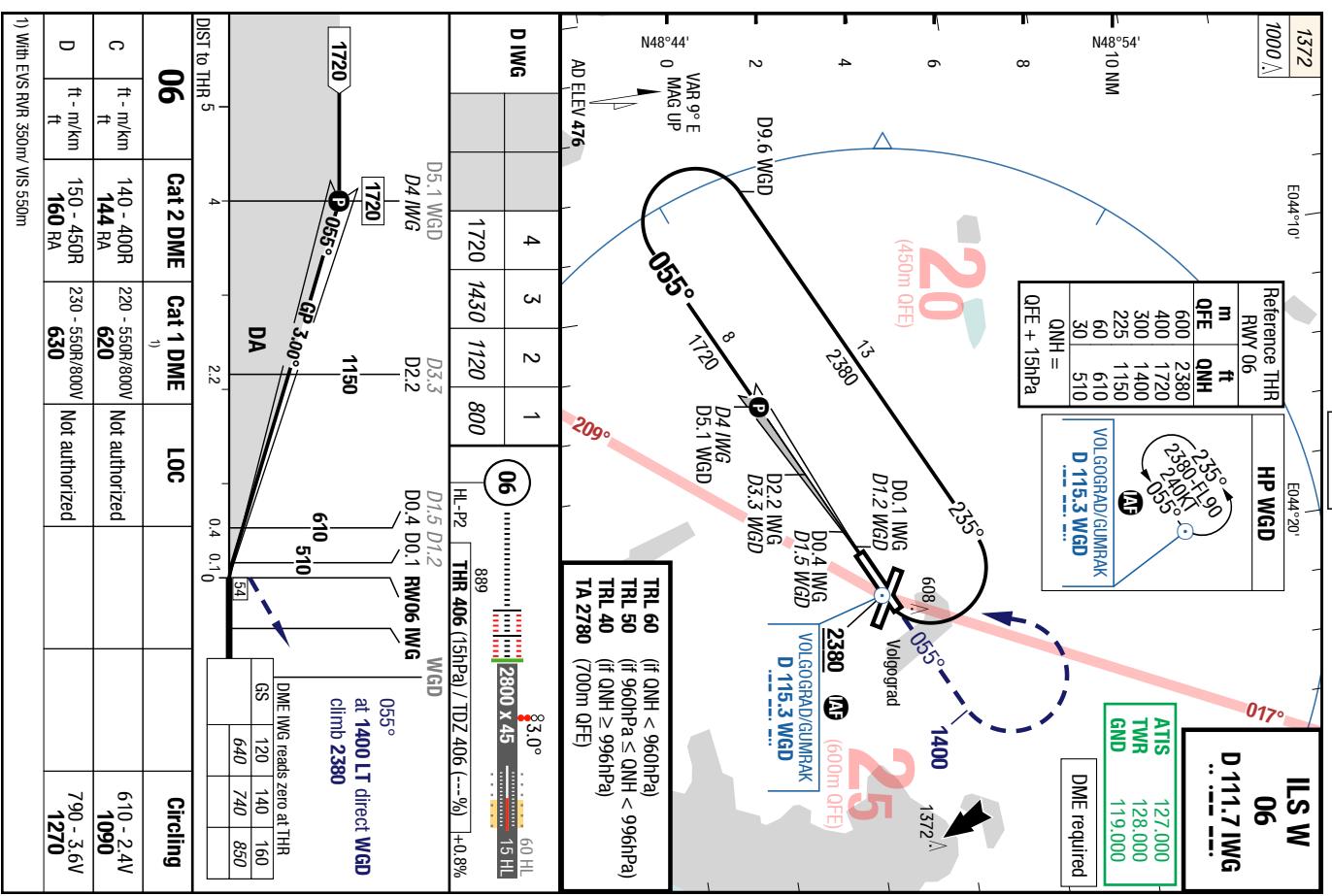
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1) With EVS RVR 350m VIS 550m

Changes: MIN

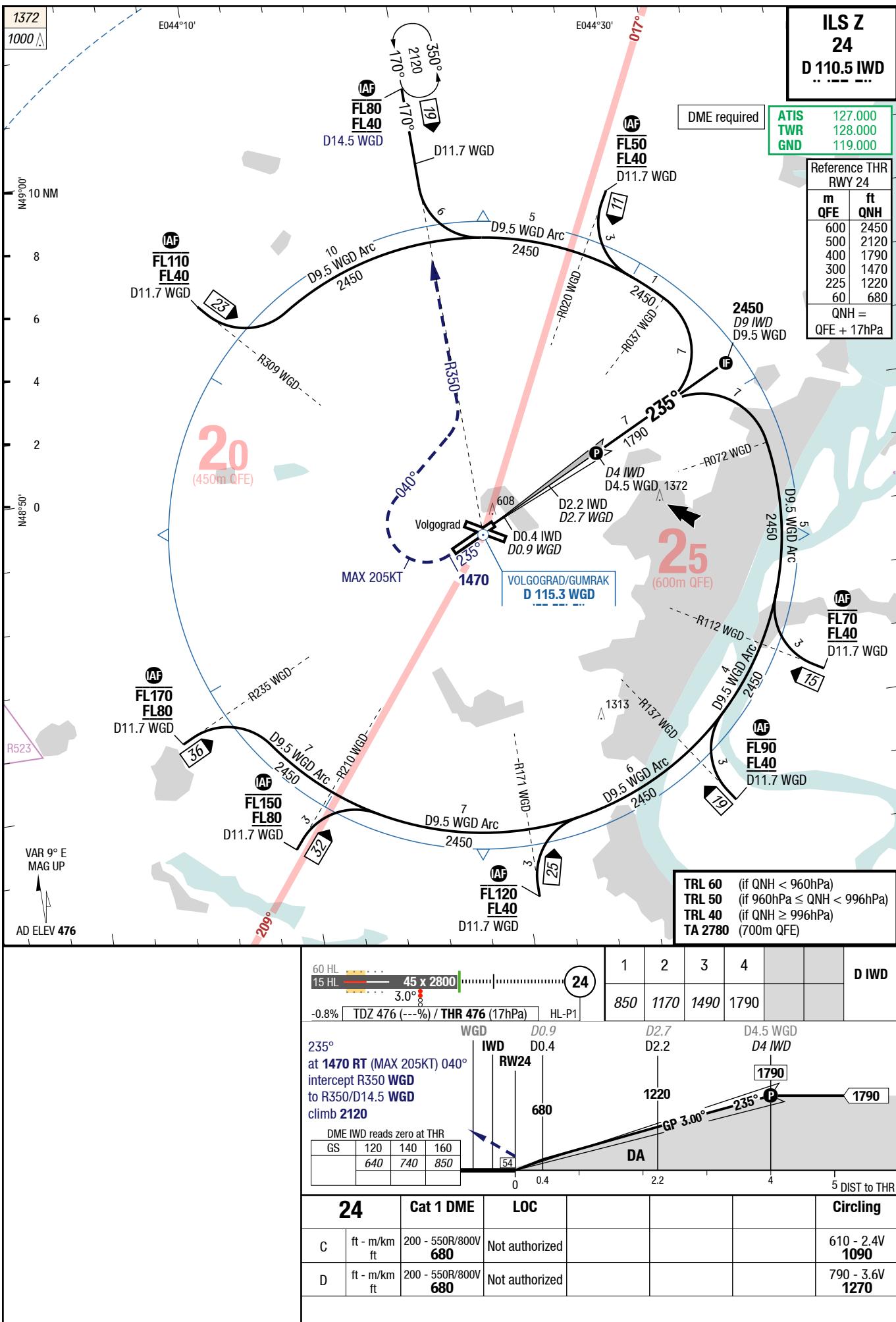
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Gumrak Vo
ILS Z 24



1) With EVS RVR 350m/ VIS 550m

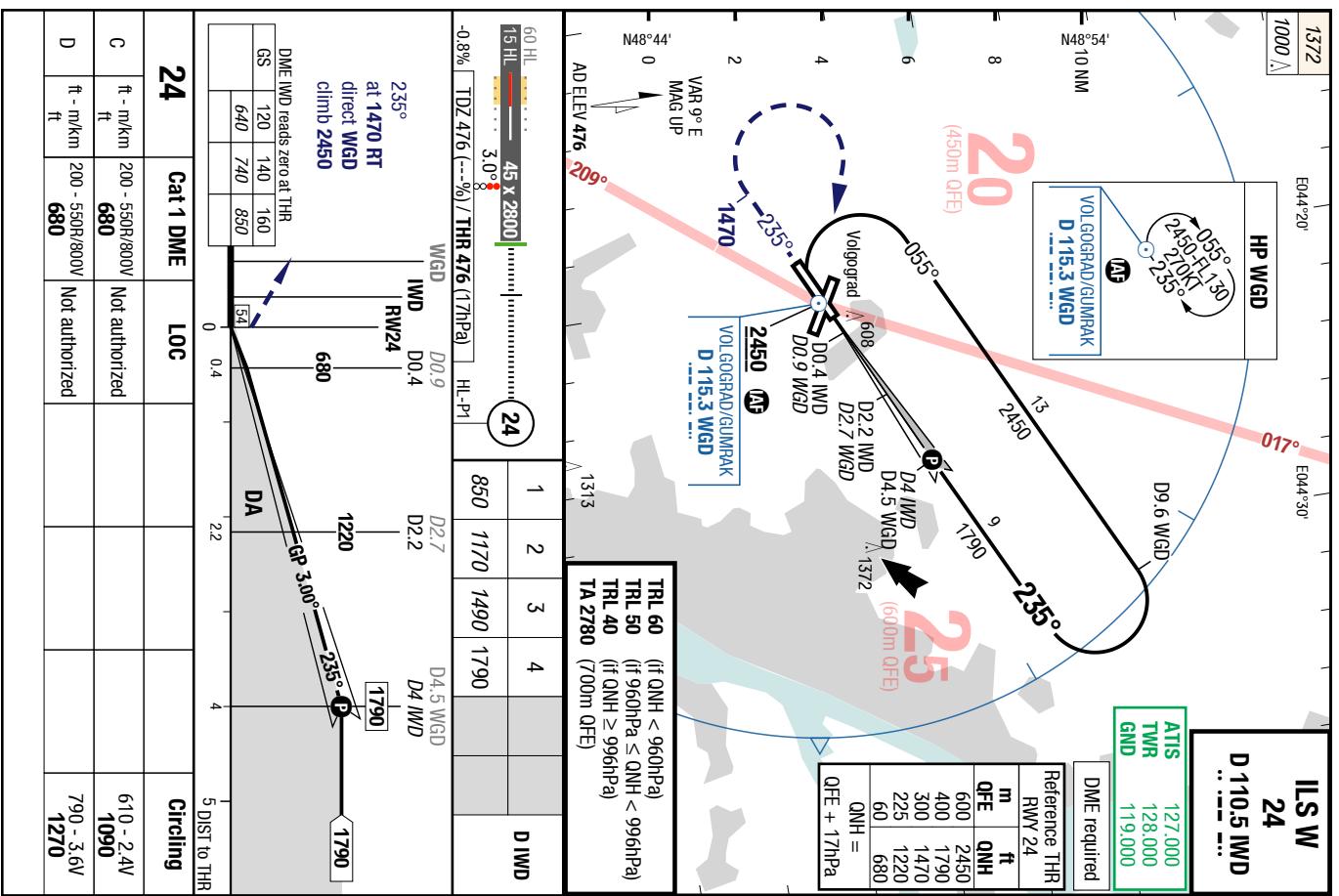
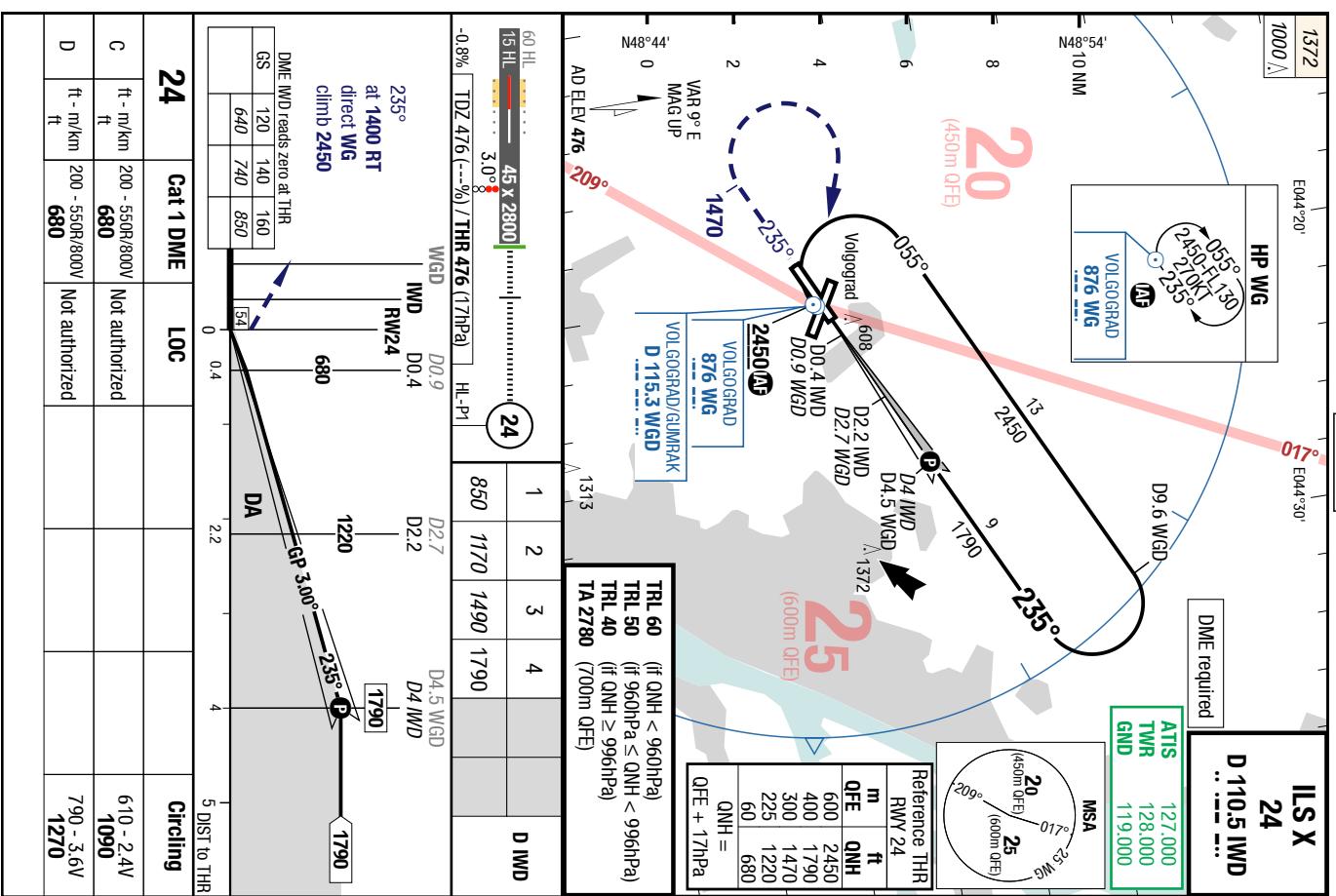
Changes: Nil



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Gümüşkaya
LŞW 24

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Effective 10-NOV-2016

03-NOV-2016

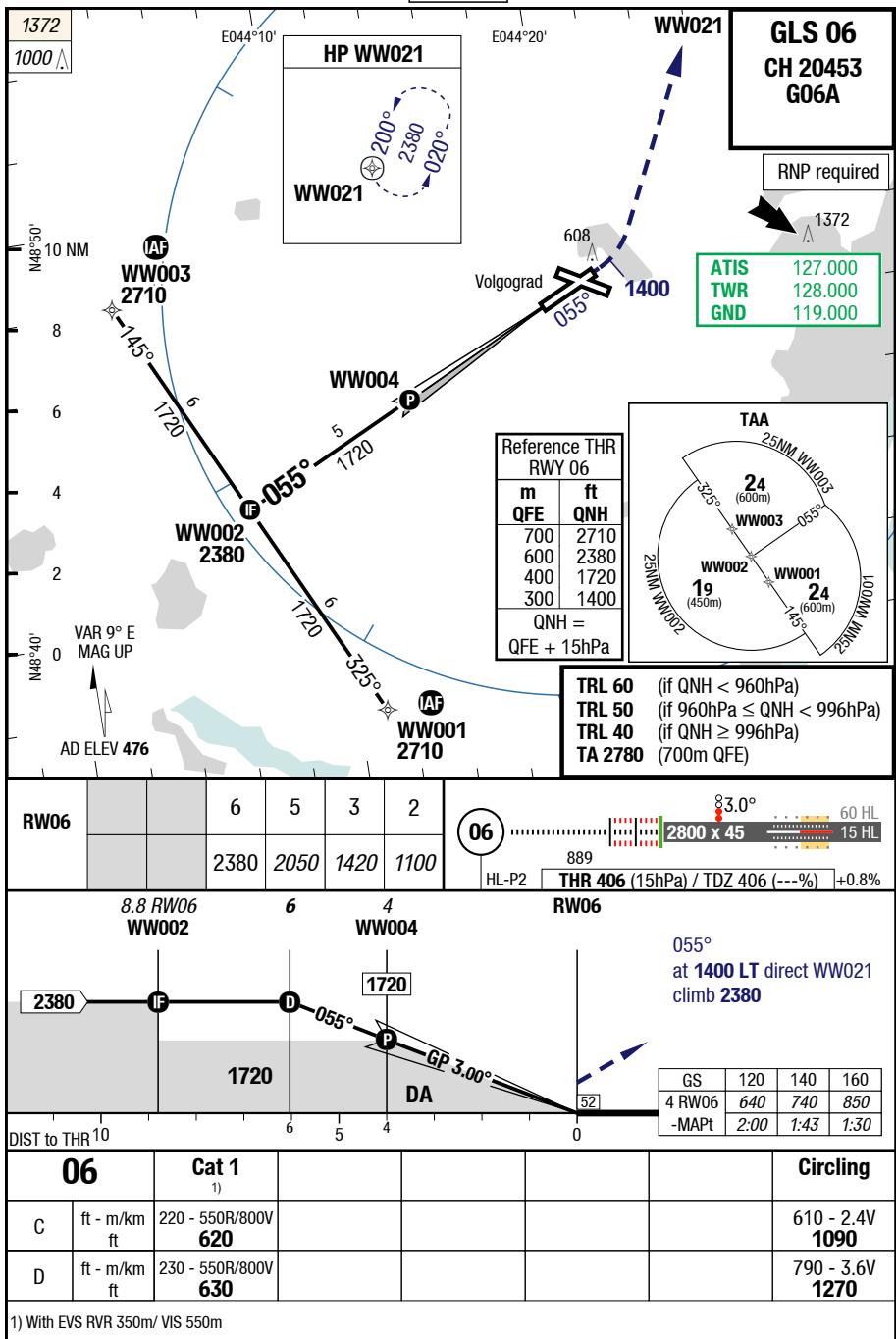
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7-70

GLS 06

IAC



Changes: MIN

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03-NOV-2016

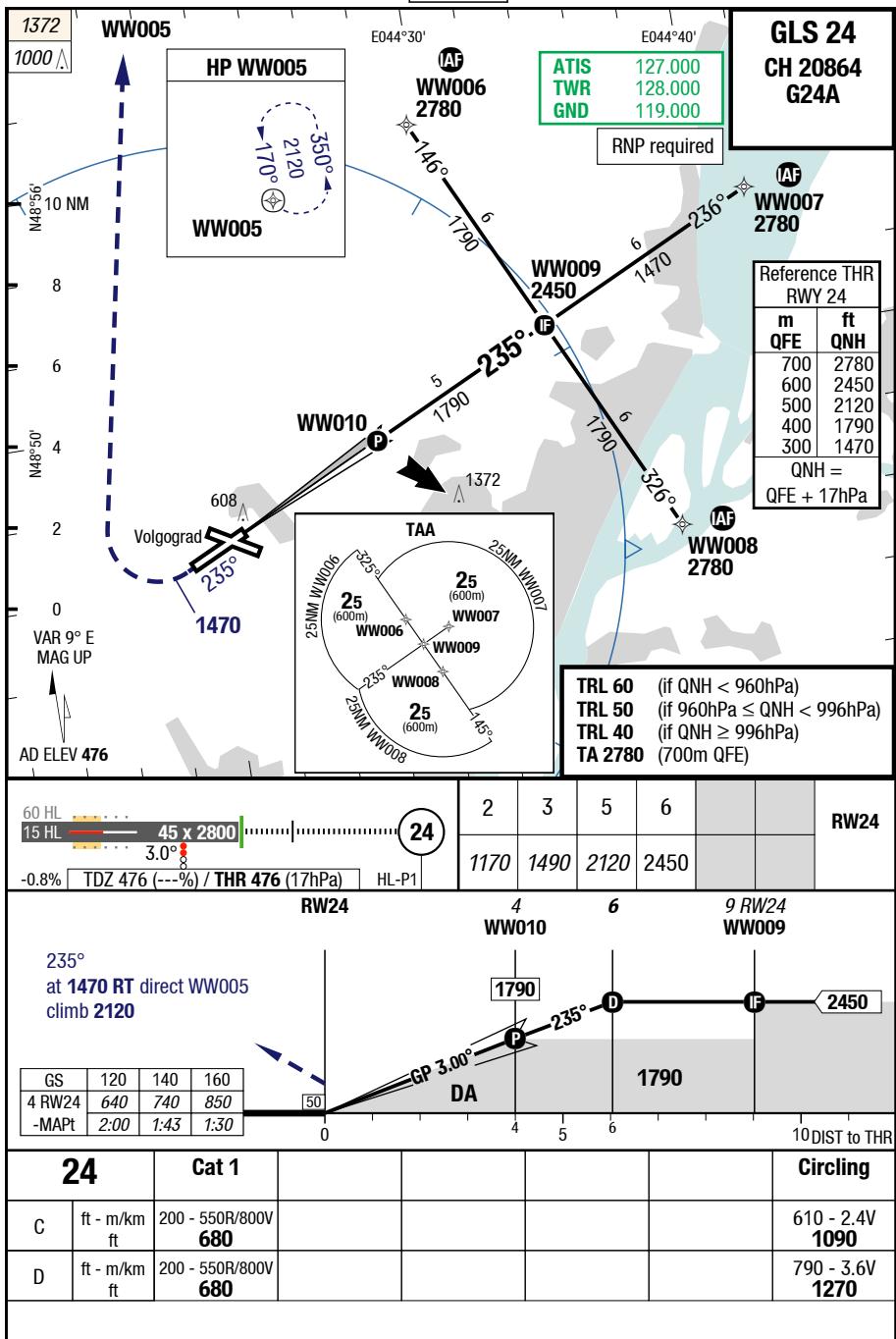
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7-80

GLS 24

IAC

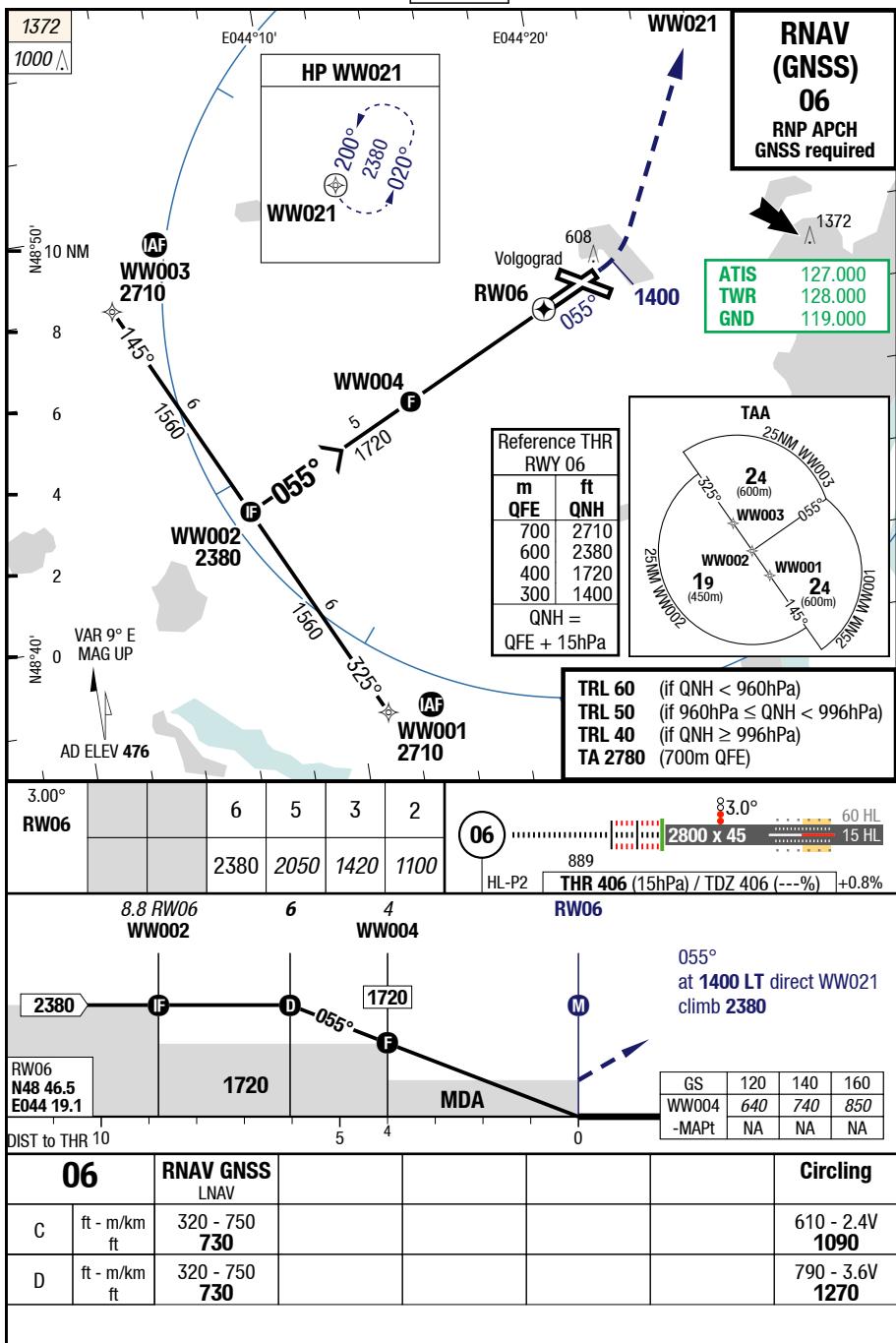


Changes: Nil

VOG-URWW

7-90

RNAV (GNSS) 06



Changes: New

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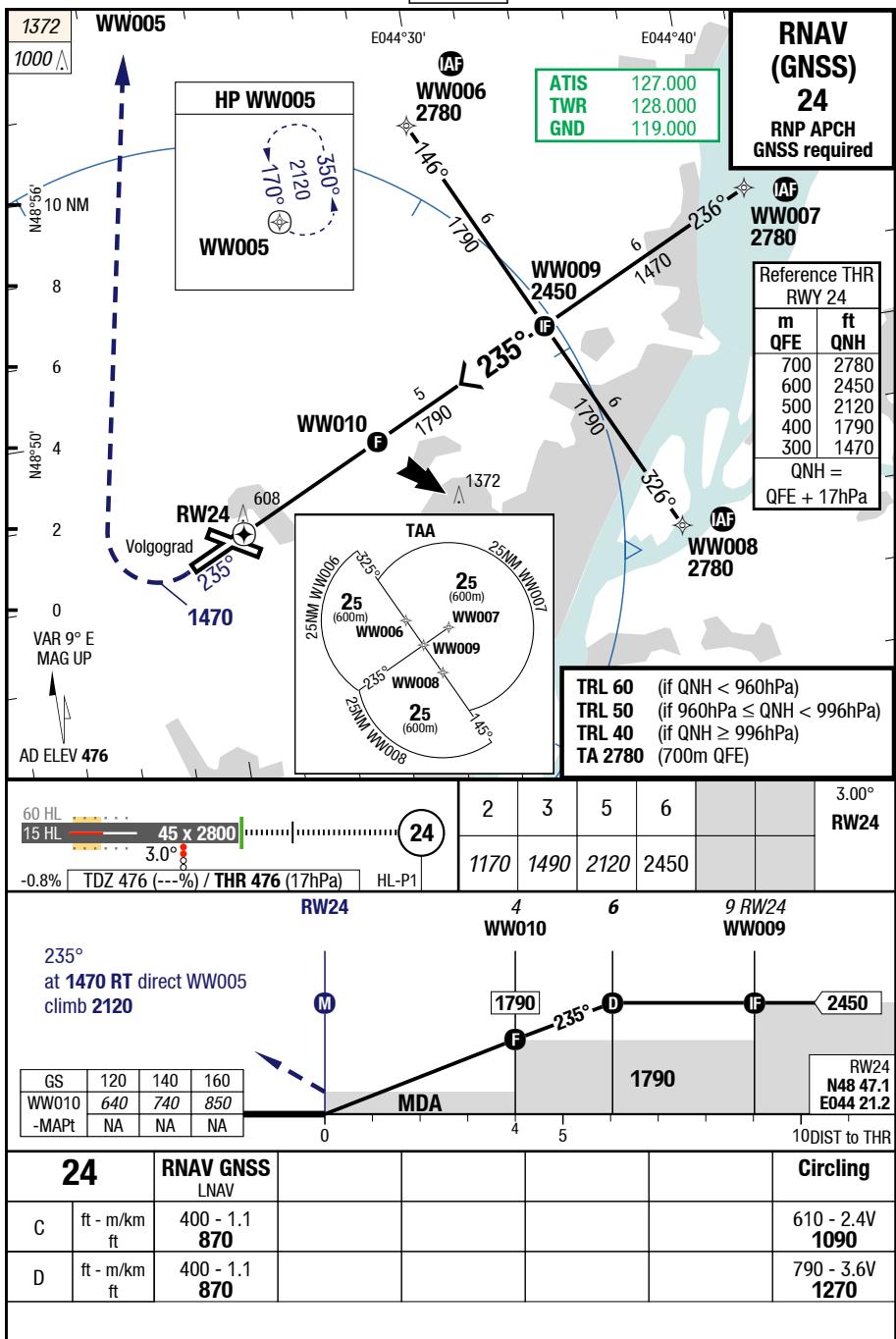
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7-100

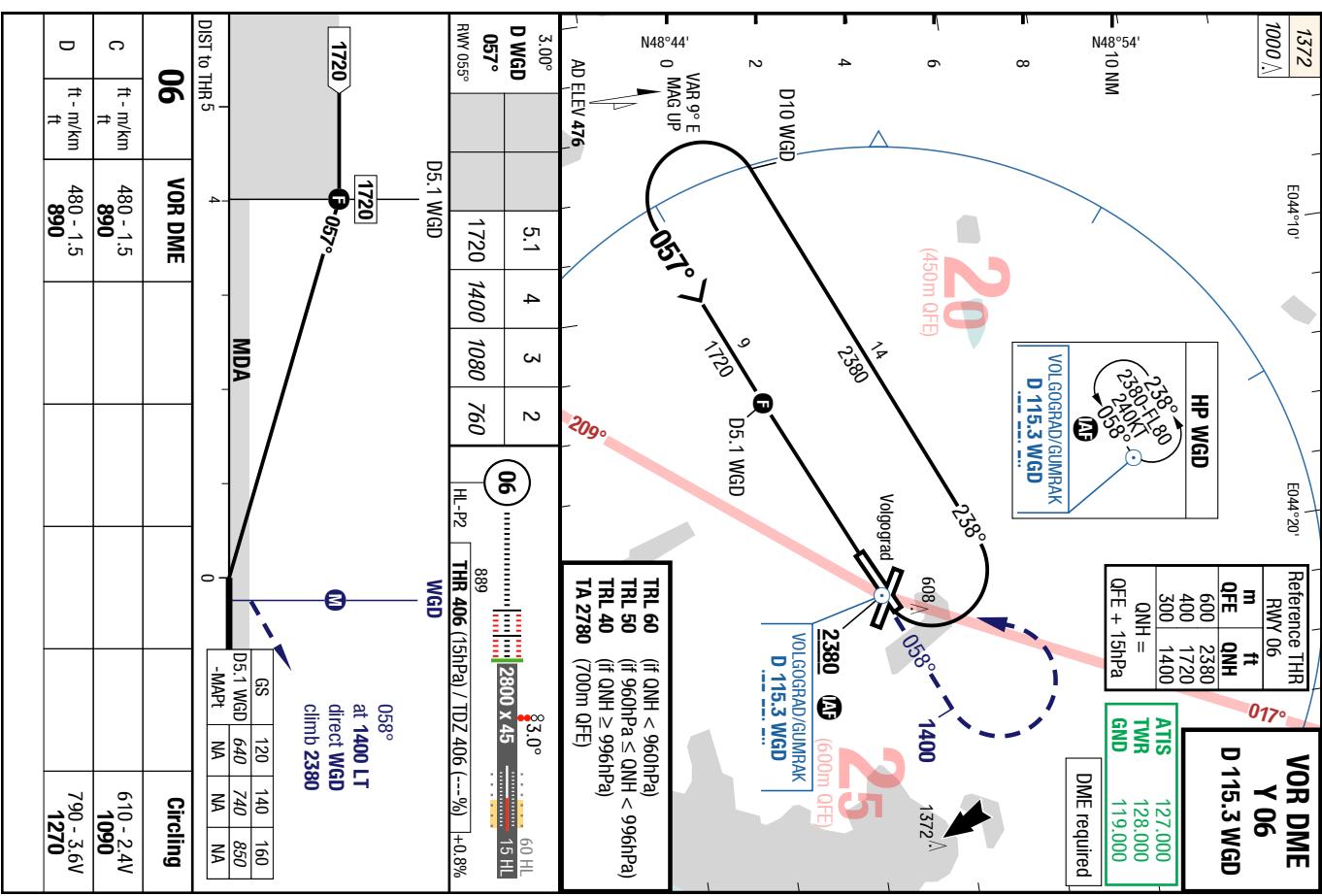
RNAV (GNSS) 24

IAC



Changes: New

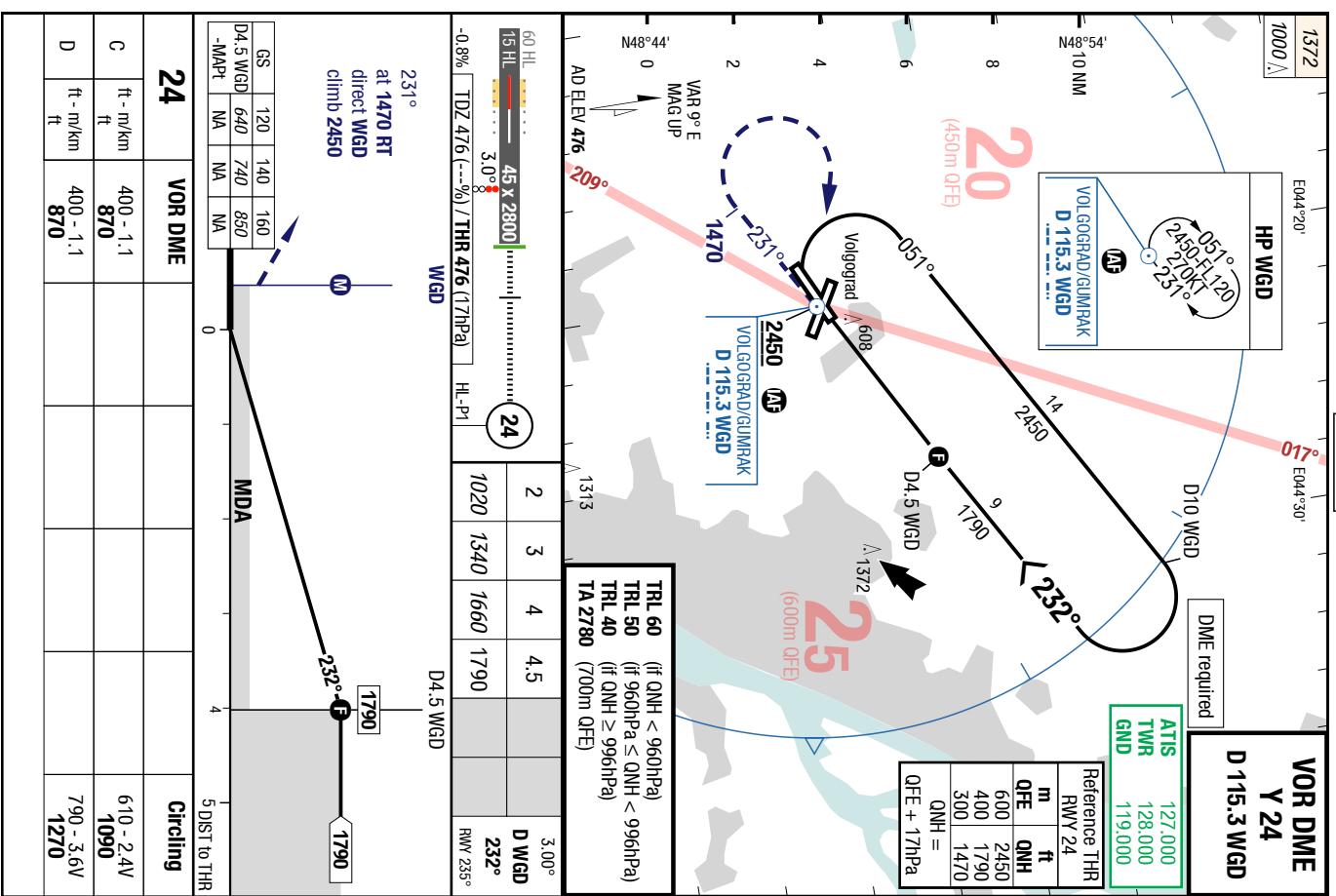
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VOG-URWW

VOR DME Y 24

VOR DME Y 24



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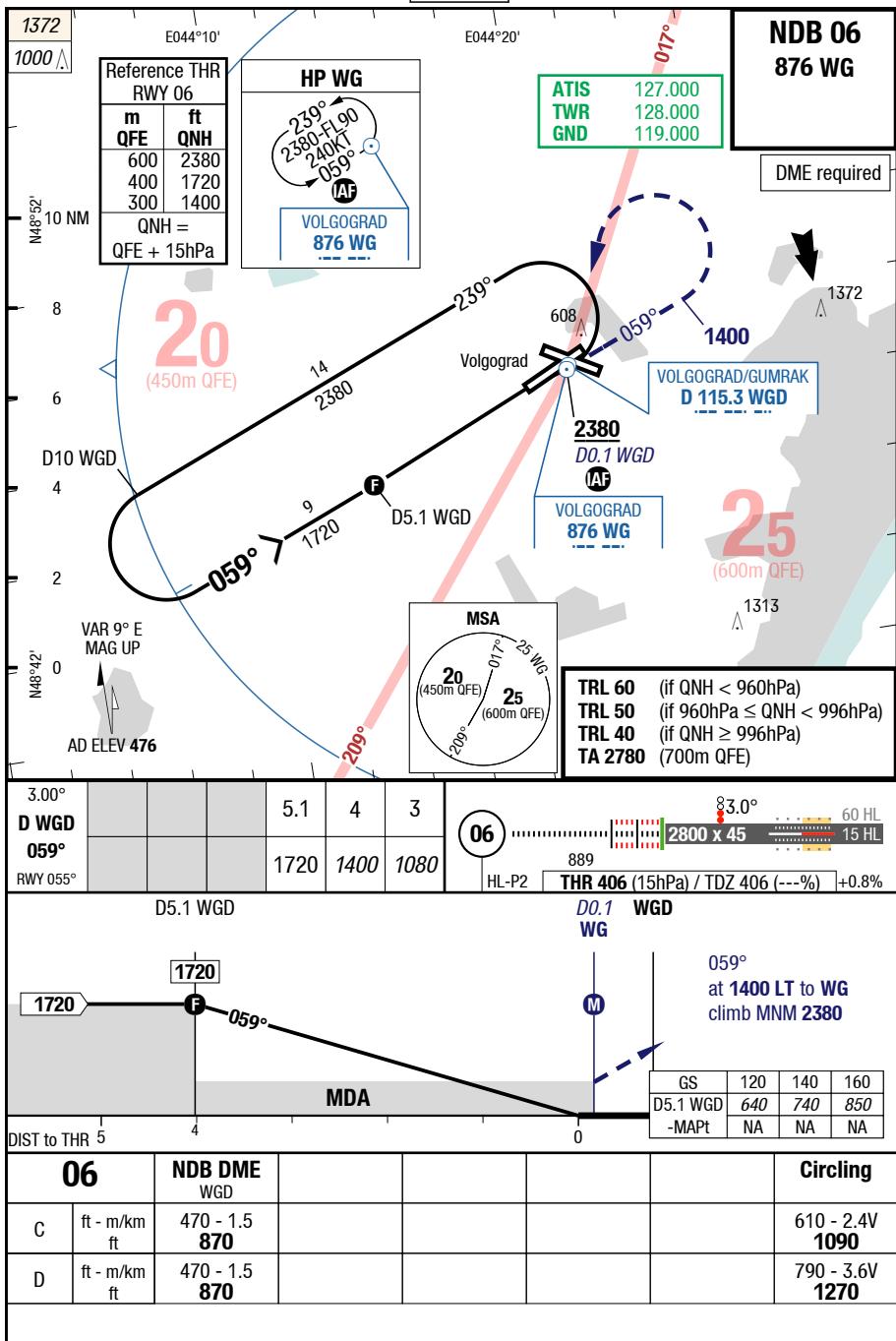
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7-150

NDB 06



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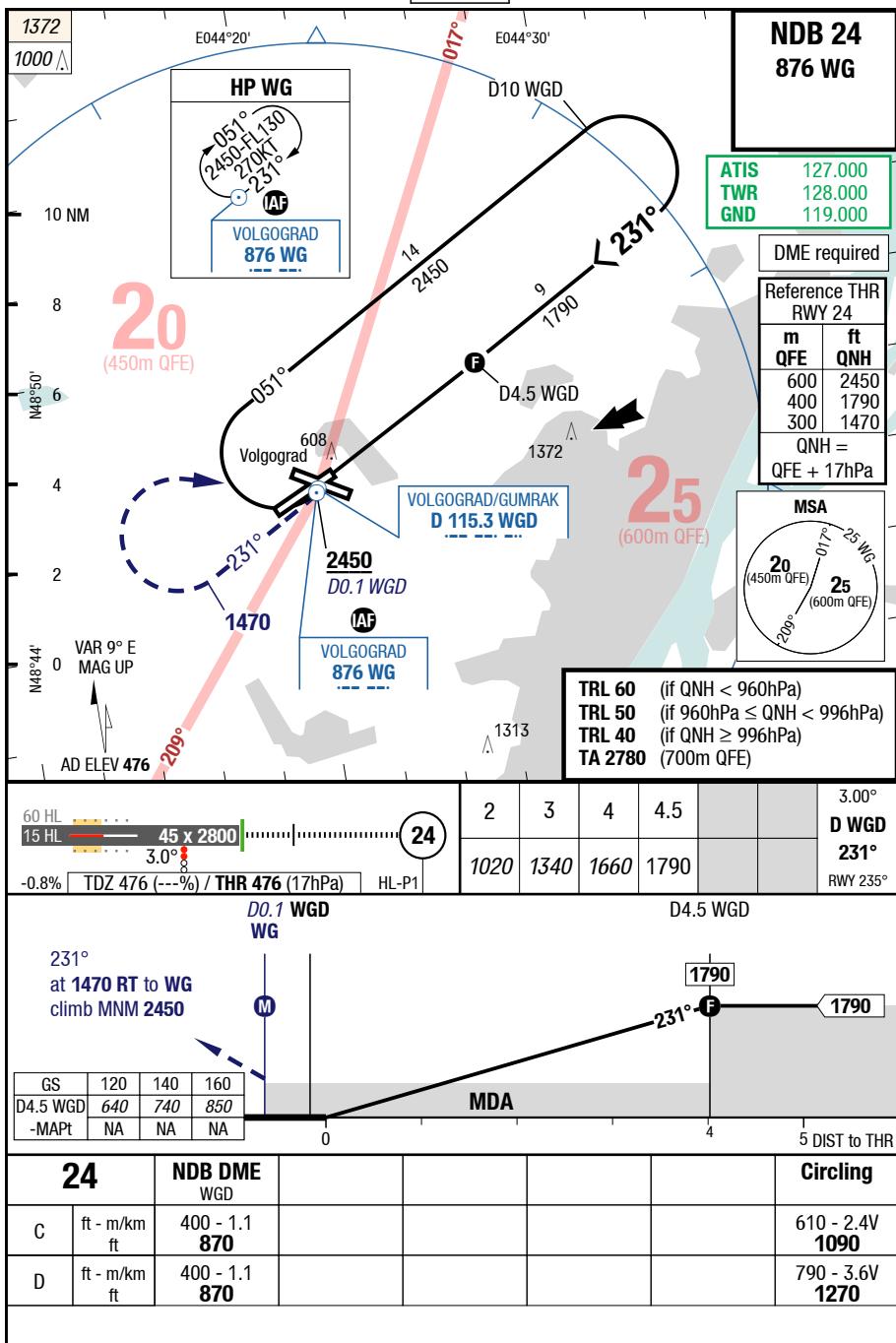
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VOG-URWW

7-160

NDB 24



Changes: New