

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

Taxiing 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.

VOG-URWWRussian Federation **Volgograd** Gumrak

AGC
AFC

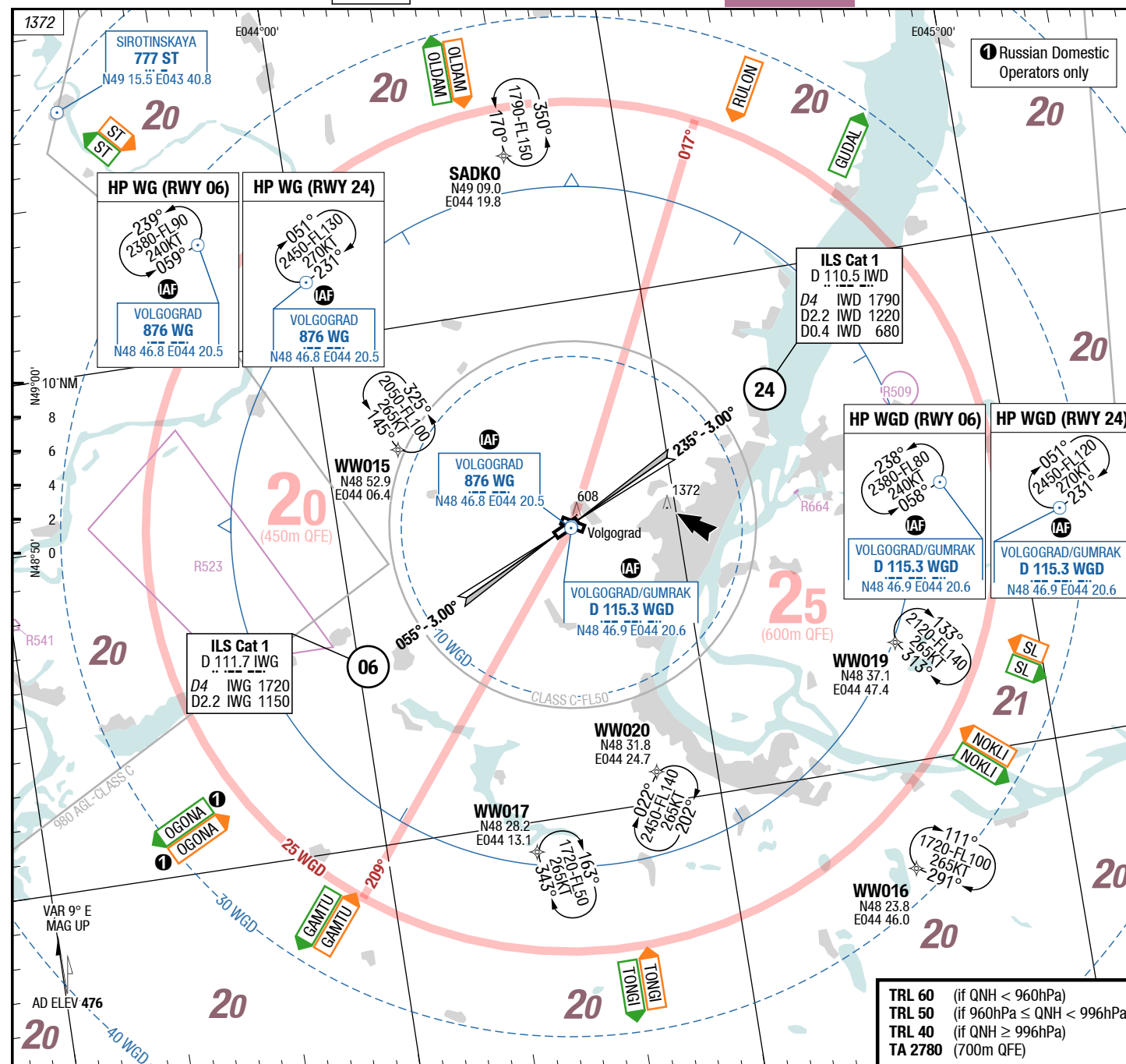
AFC

AFC

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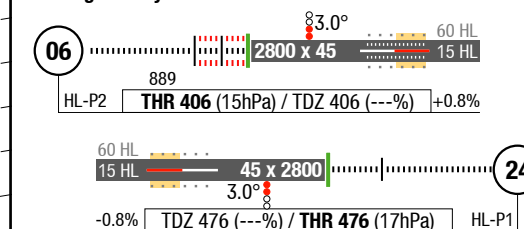
AGC
AFC

2-10



ATIS	127.000	
APP	125.300	
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

Landing RWY system:



TRL 60	(if QNH < 960hPa)
TRL 50	(if 960hPa ≤ QNH < 996hPa)
TRL 40	(if QNH ≥ 996hPa)
TA 2780	(700m QFE)

Effective 13-SEP-2018

06-SEP-2018

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AGC

AGC

AGC

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AGC

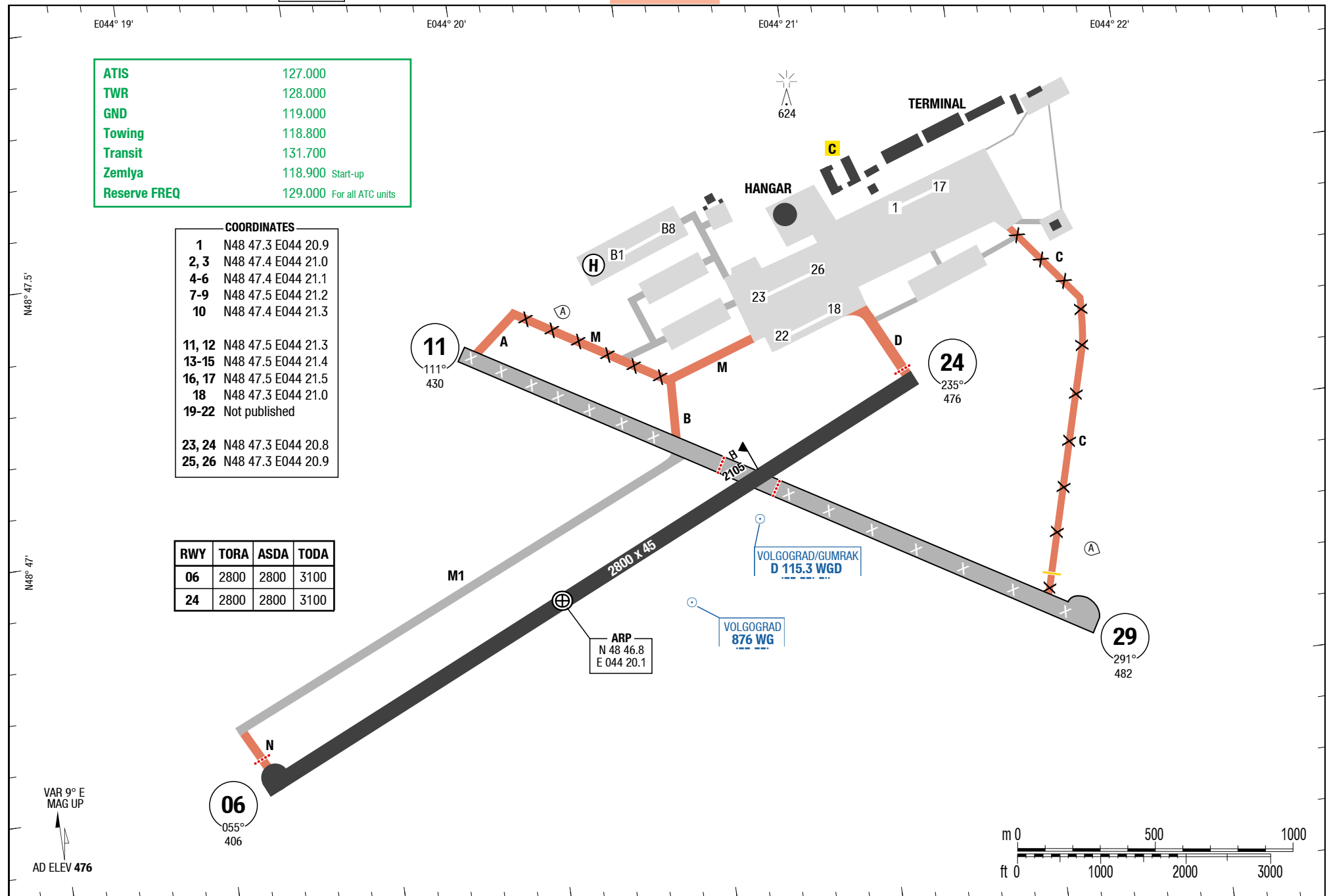
3-20

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



Effective 21-JUL-2016

14-JUL-2016

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RNAV SIDs RWY 24

4-10

RNAV SIDs RWY 06

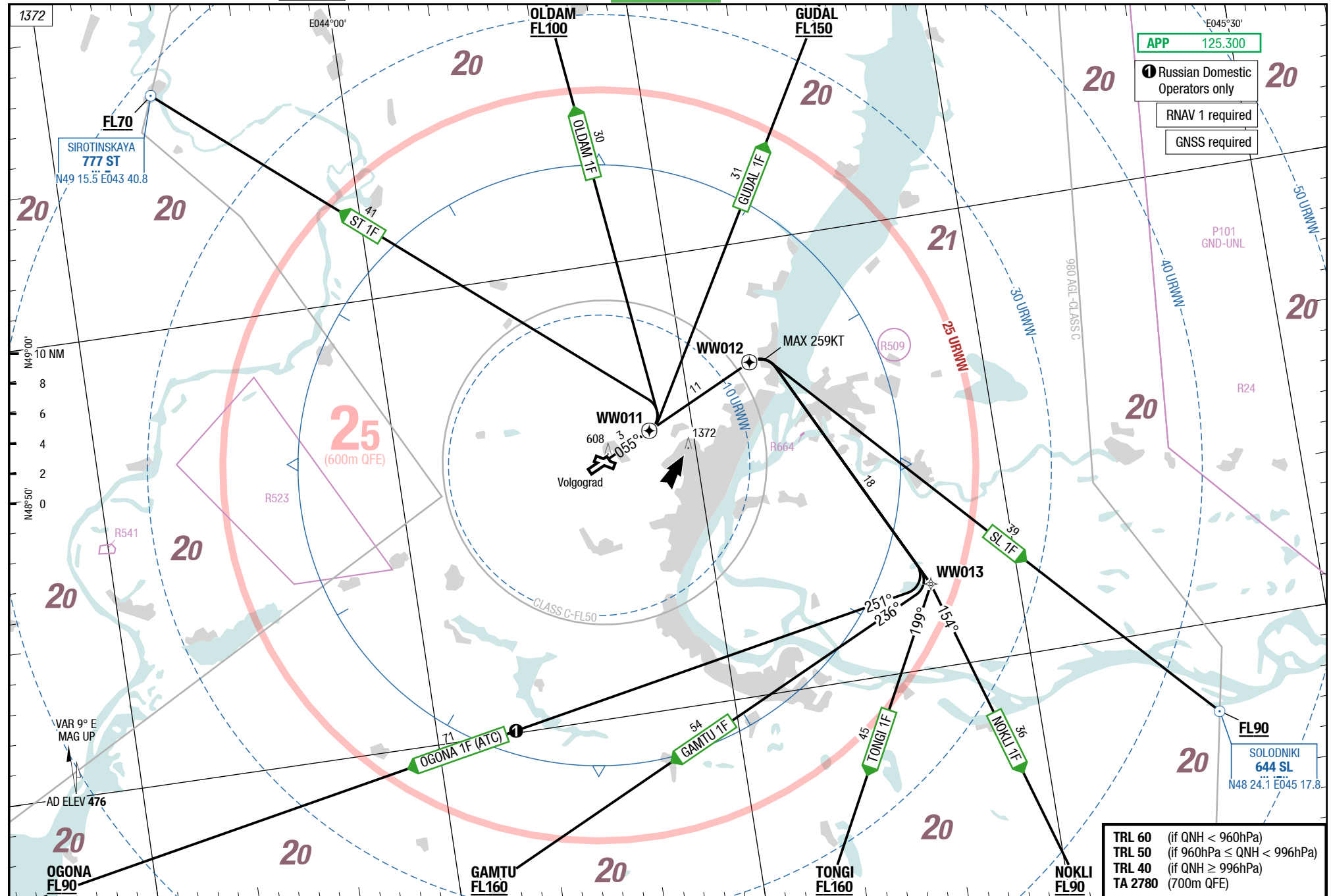
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RNAV SIDs RWY 24

RNAV SIDs RWY 06



Changes: New

Effective 21-JUL-2016

14-JUL-2016

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4-20

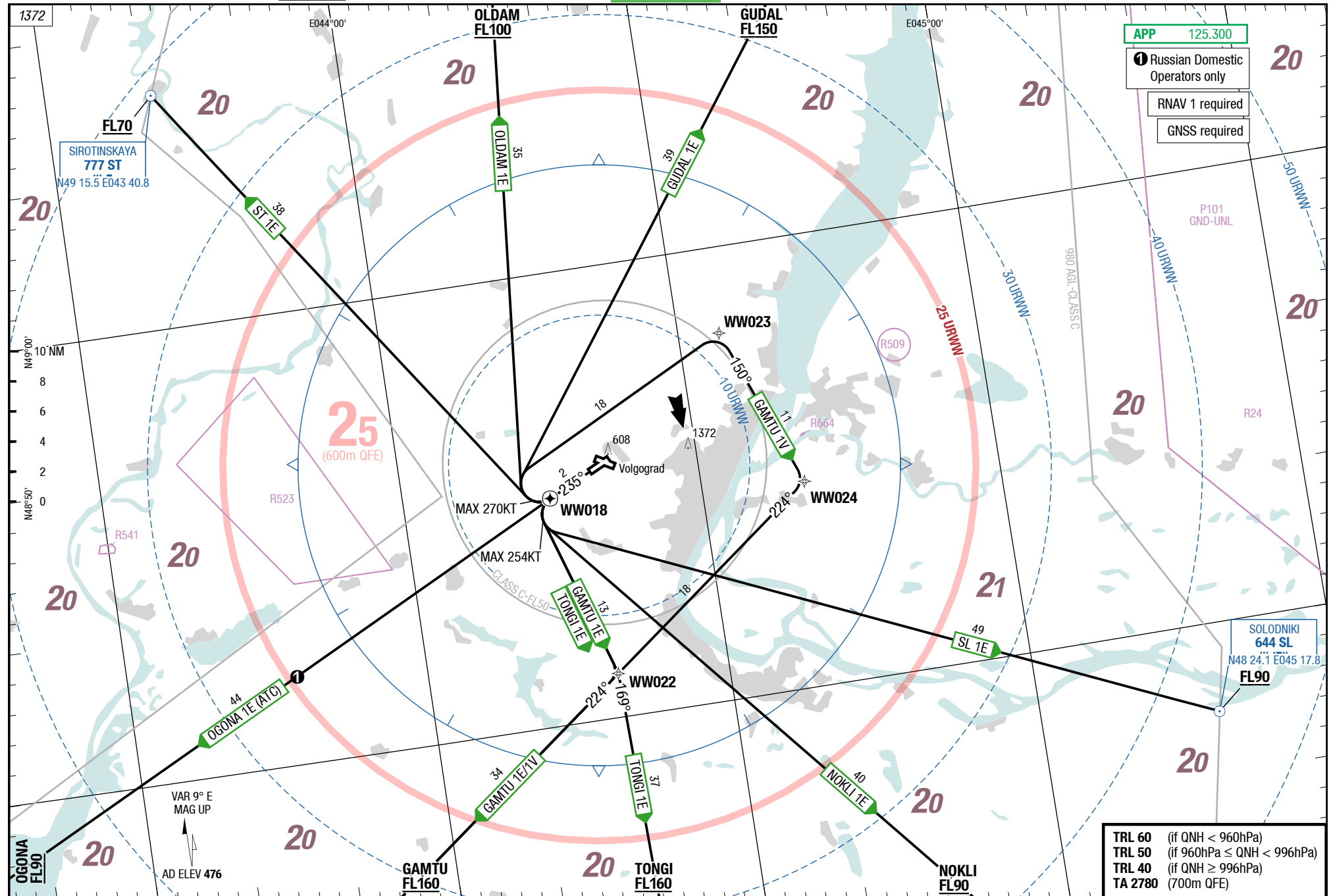
RNAV SIDs RWY 24

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RNAV SIDs RWY 24



Changes: New

Effective 21-JUL-2016

14-JUL-2016

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SIDs RWY 06 (via NDB)

4-30

SIDs RWY 06 (via VOR)

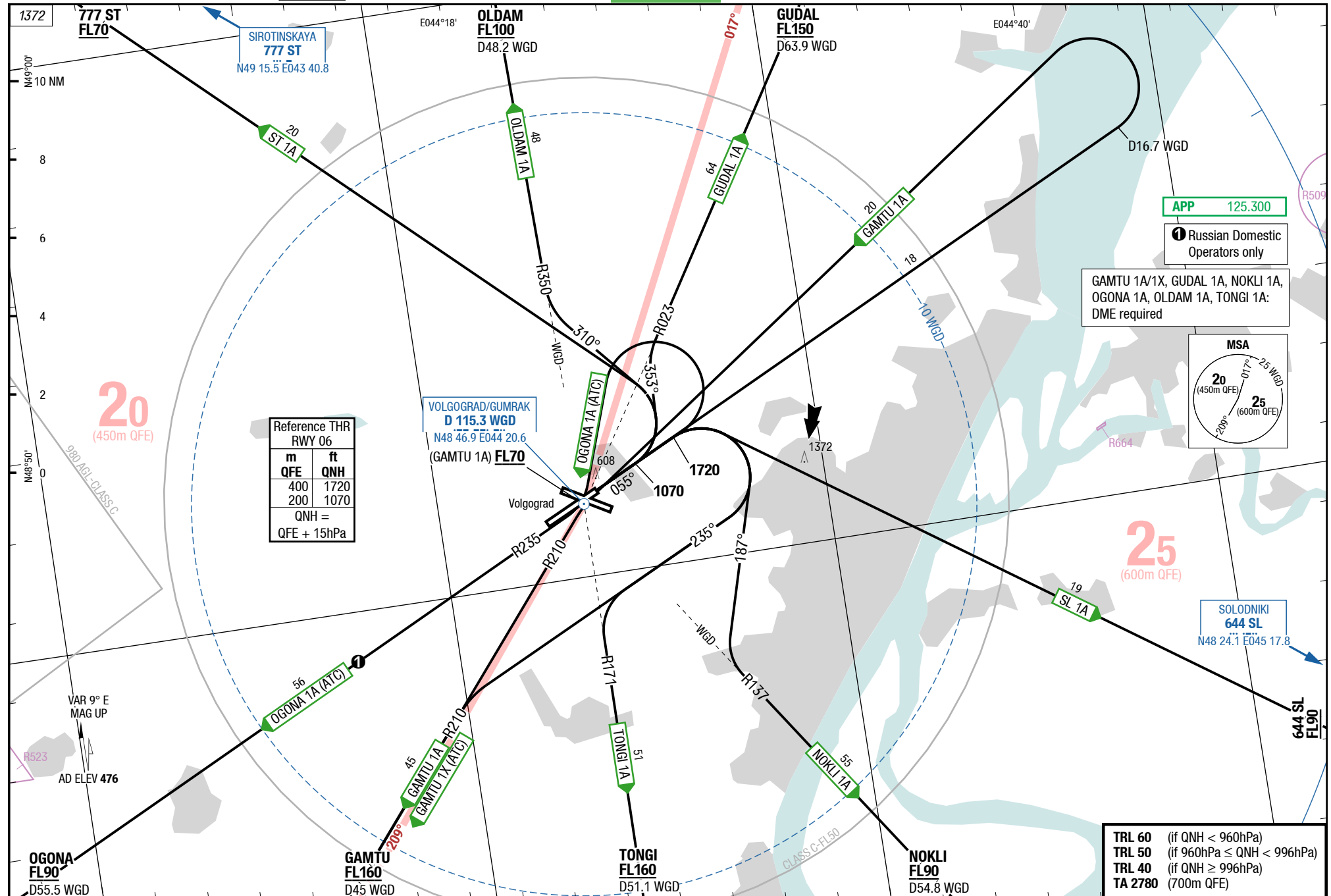
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SIDs RWY 06 (via NDB)

SIDs RWY 06 (via VOR)



14-JUL-2016

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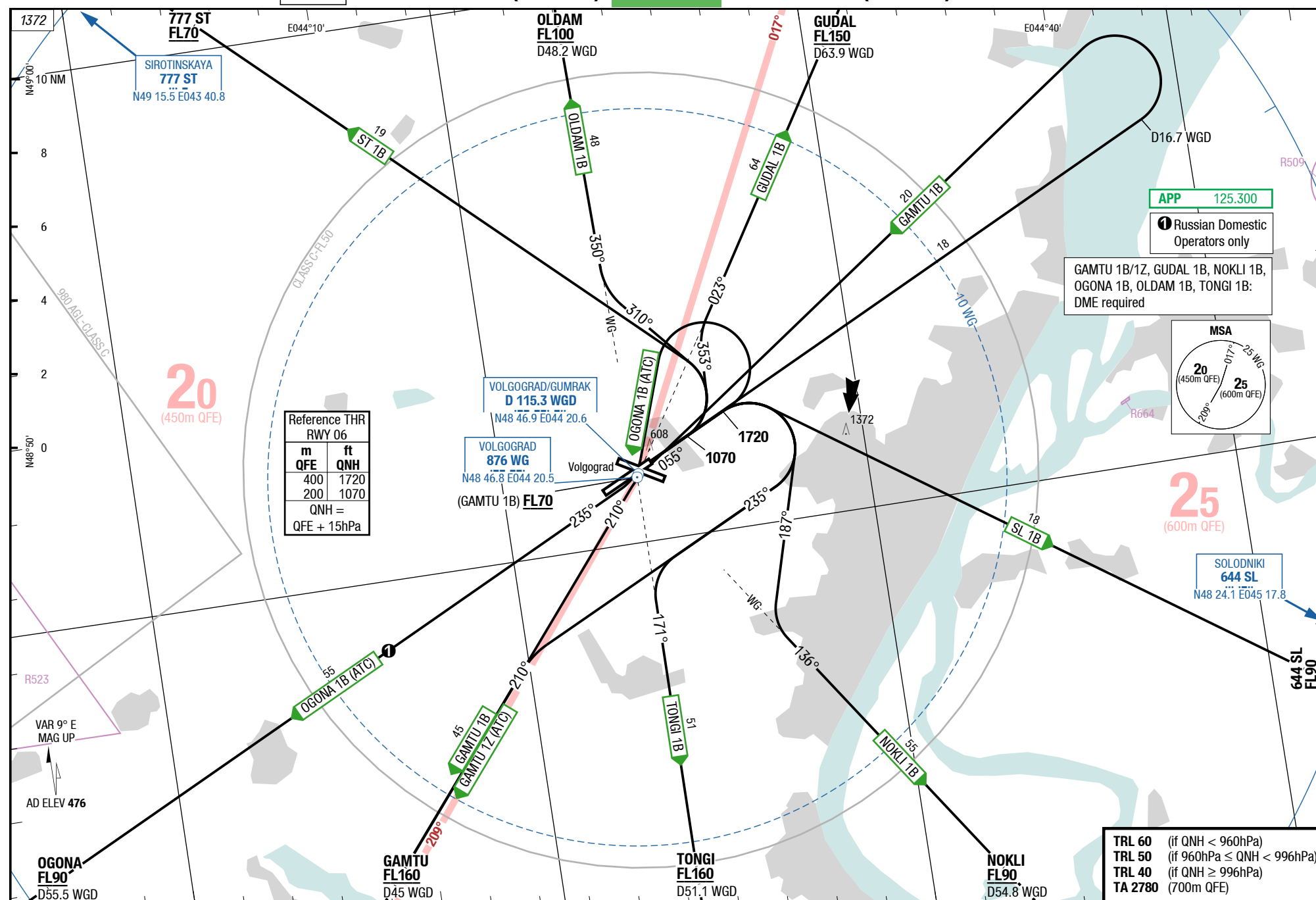
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4-40

SIDs RWY 06 (via NDB)

SIDs RWY 06 (via NDB)



Changes: New

Effective 21-JUL-2016

14-JUL-2016

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SIDs RWY 24 (via NDB)

4-50

SIDs RWY 24 (via VOR)

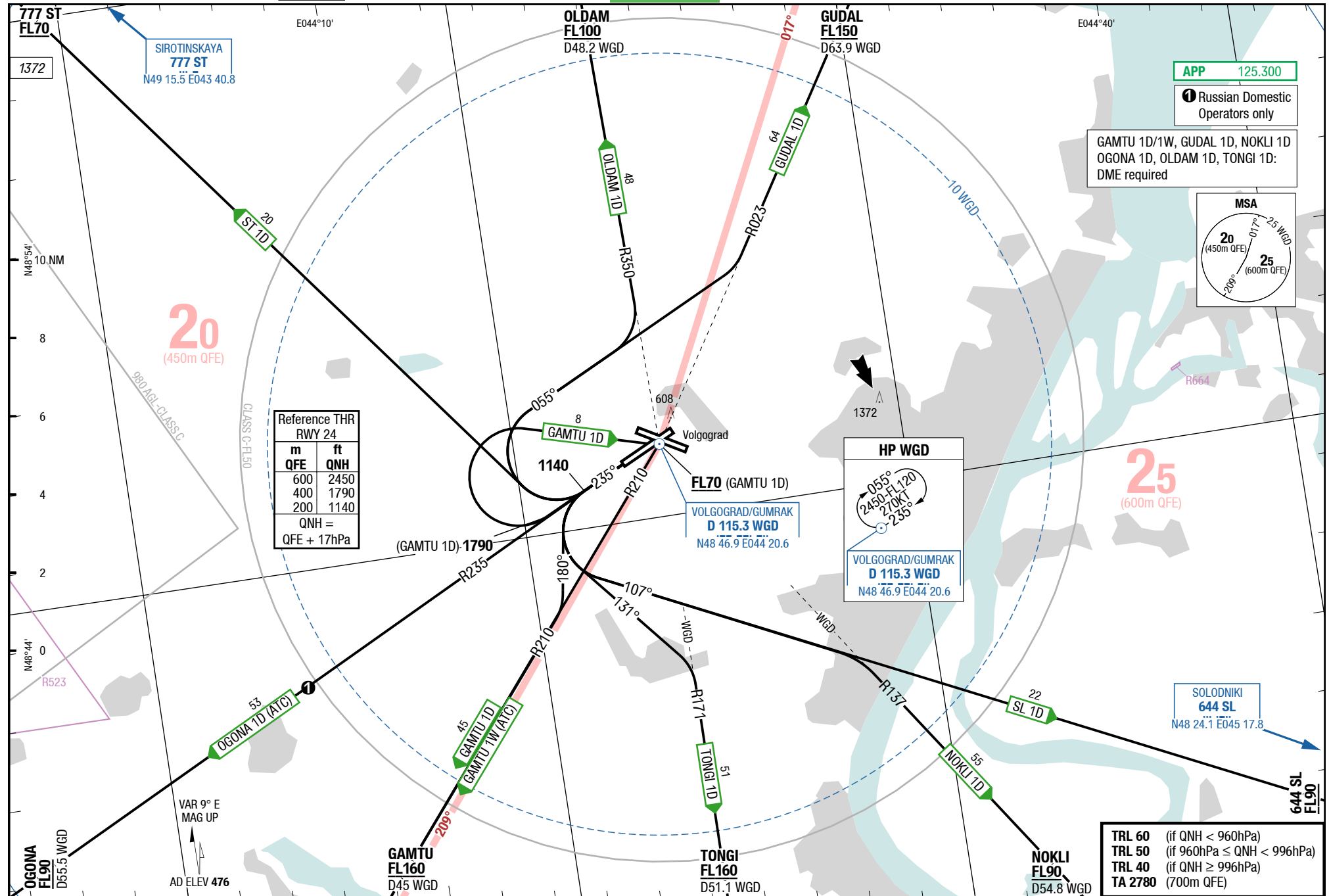
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Gumrak Volgograd Russian Federation

SIDs RWY 24 (via NDB)

SIDs RWY 24 (via VOR)



Changes: New

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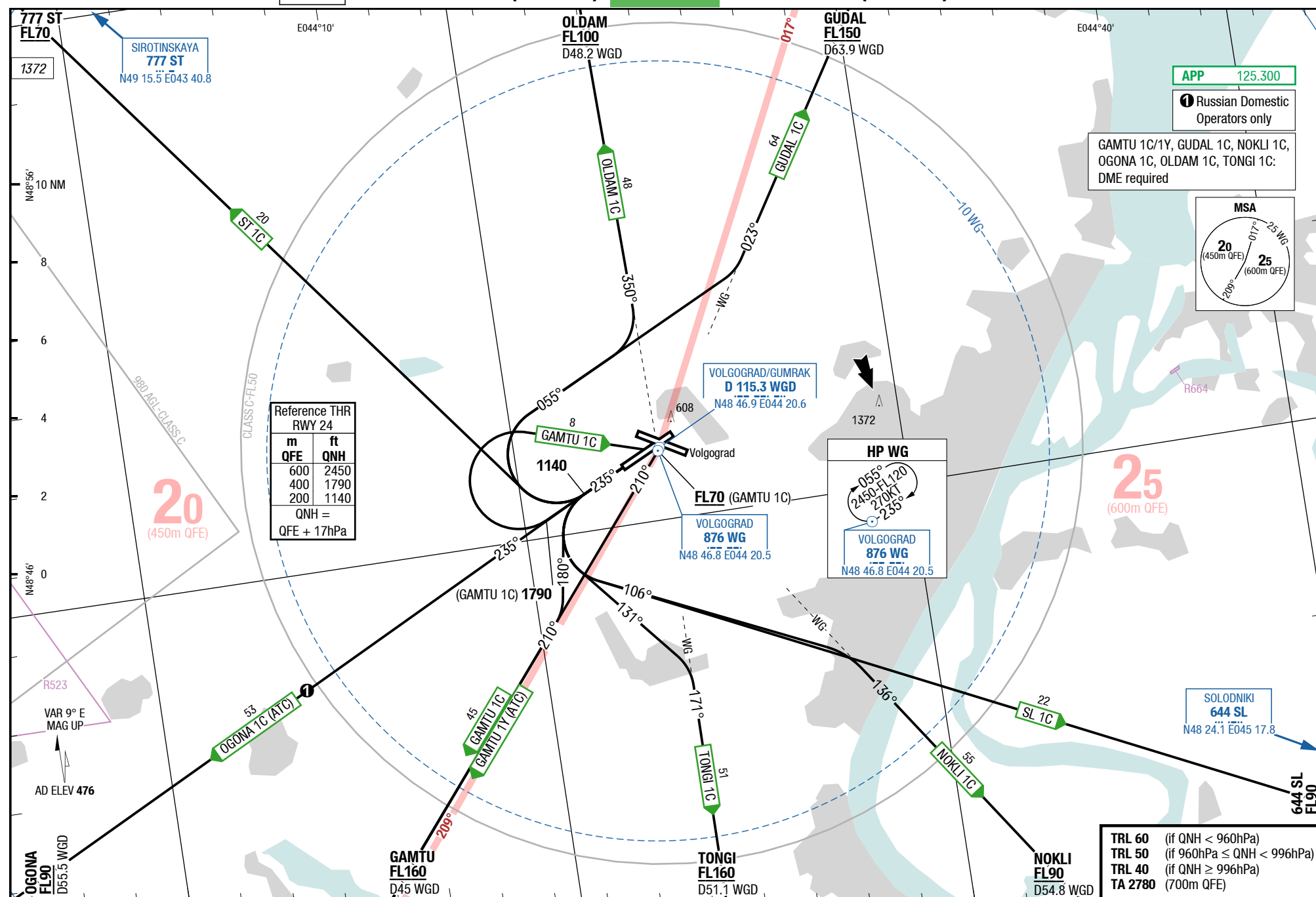
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SIDs RWY 24 (via NDB)

SID

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SIDs RWY 24 (via NDB)



Changes: New

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5-10

RNAV SIDs RWY 06

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</u> [K259-] - 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</u> [K259-] - WW013 - NOKLI	NOKLI MNM FL90
OGONA 1F (ATC) 125.300 ②	<u>WW012</u> [K259-] - WW013 - OGONA	OGONA MNM FL90
OLDAM 1F 125.300	<u>WW011</u> - OLDAM	OLDAM MNM FL100
SL 1F 125.300	<u>WW012</u> [K259-] - 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</u> [K259-] - WW013 - TONGI	TONGI MNM FL160

① Climb gradient due to airspace limitation.

② Russian Domestic Operators only.

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5-20

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

① Climb gradient due to airspace limitation.

② Russian Domestic Operators only.

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5-30

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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5-40

SIDs RWY 06 (via NDB)**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	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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5-50

SIDs RWY 24 (via VOR)**GAMTU 1D / GAMTU 1W / GUDAL 1D / NOKLI 1D / OGONA 1D / OLDAM 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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5-60

SIDs RWY 24 (via NDB)**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 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 24

6-10

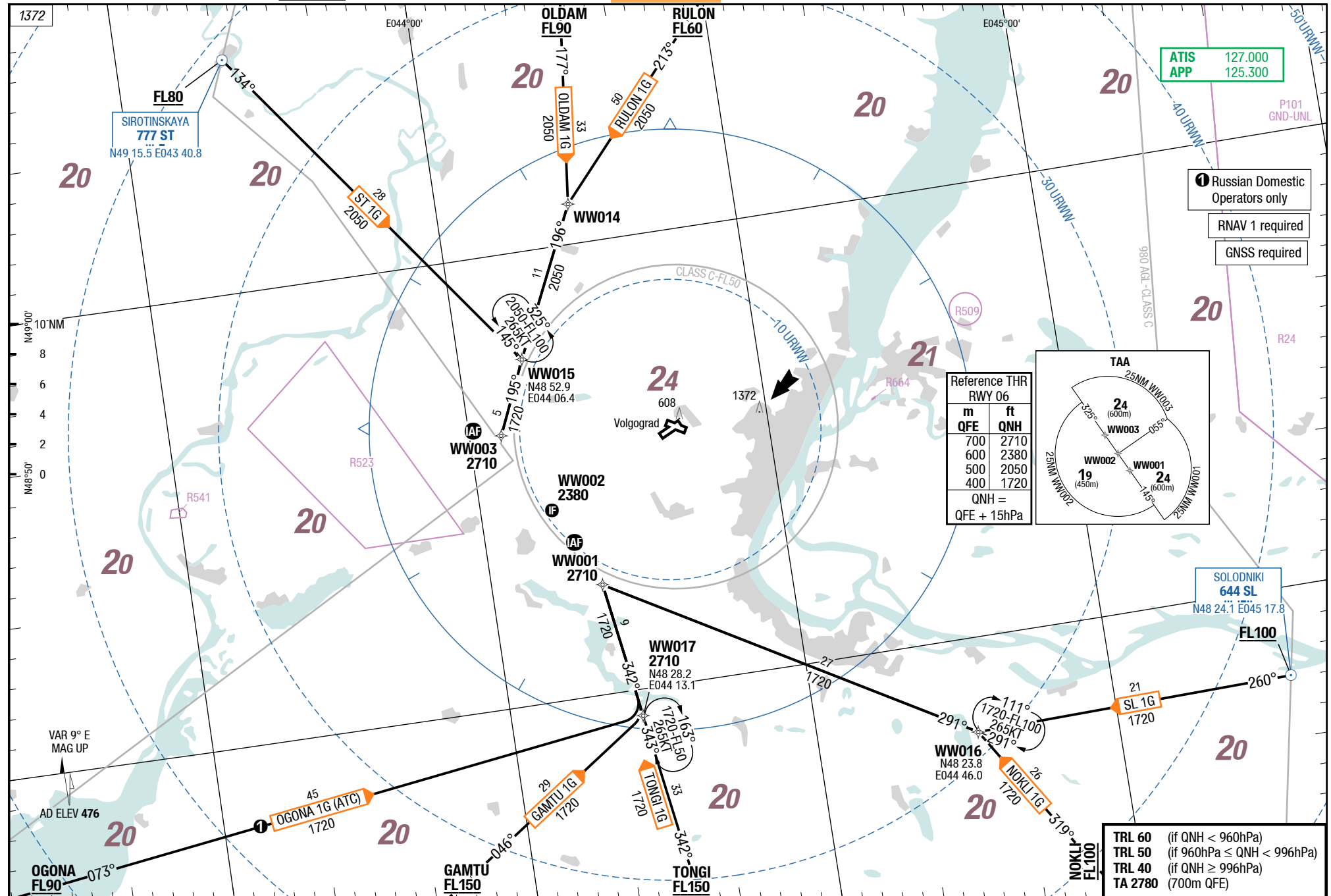
RNAV STARs RWY 06

STAR

STAR

RNAV STARs RWY 24

RNAV STARs RWY 06



Changes: New

Effective 21-JUL-2016

14-JUL-2016

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6-20

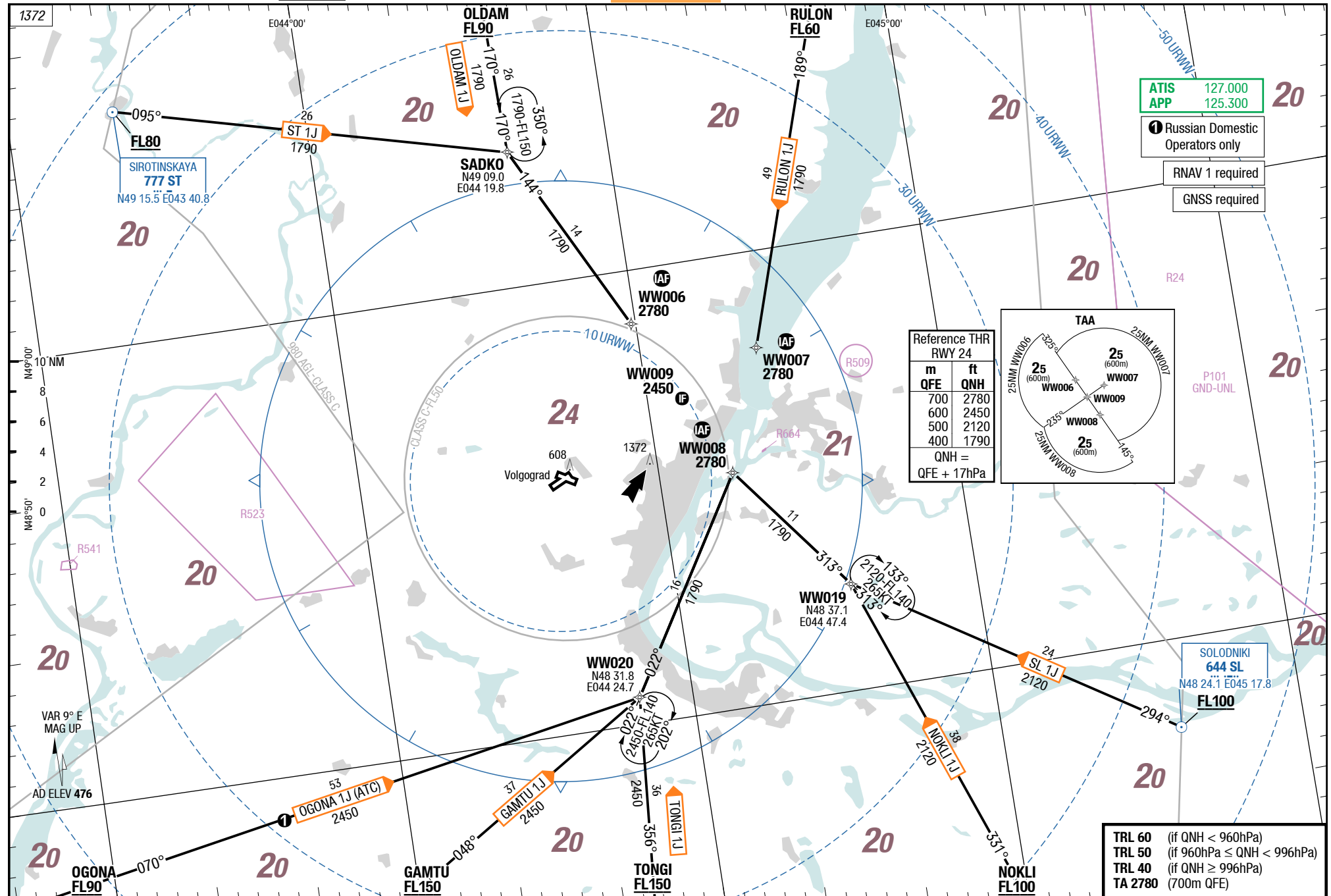
RNAV STARs RWY 24

STAR

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RNAV STARs RWY 24



VOG-URWW

STARs RWY 24

STARs RWY 06

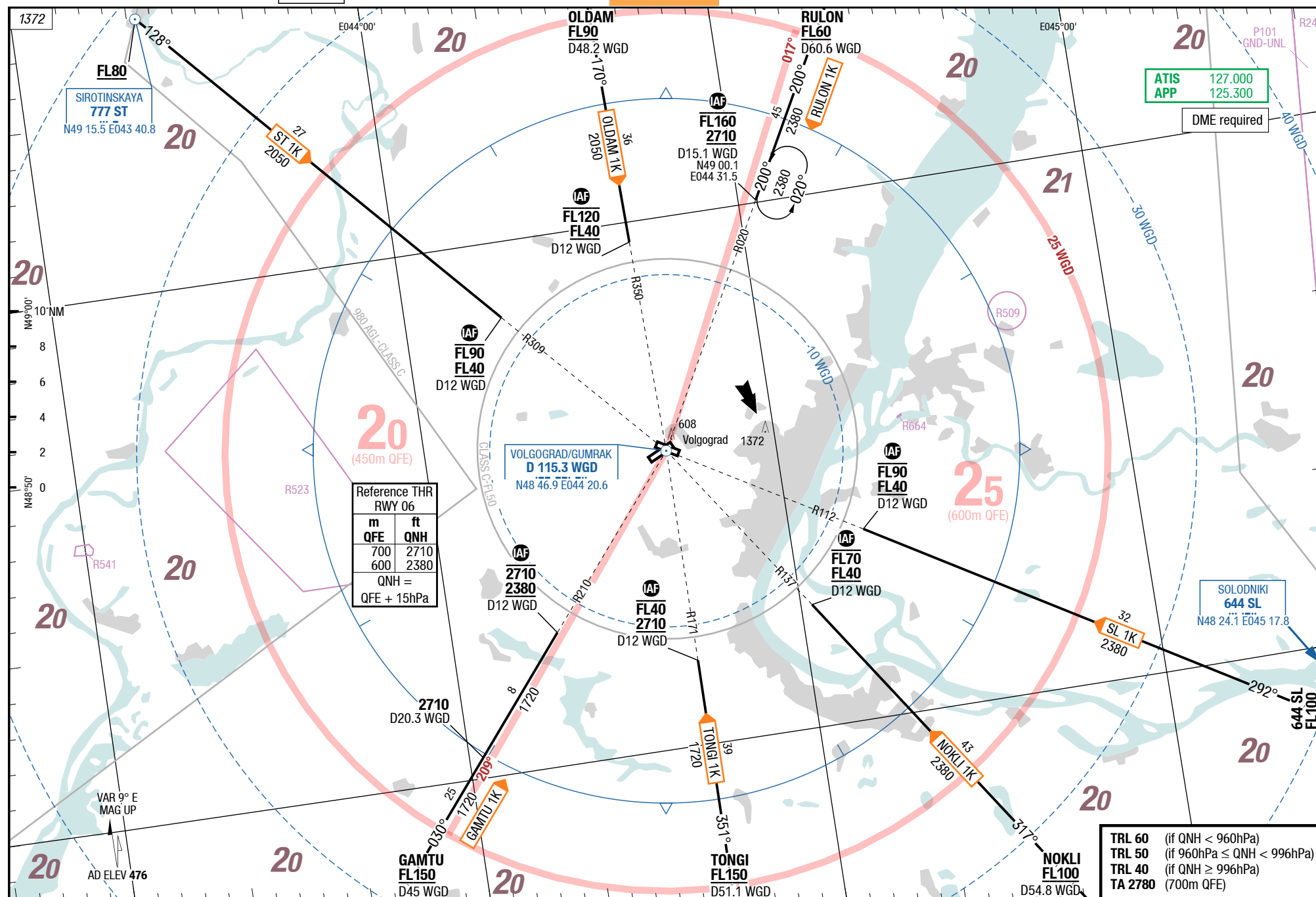
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STARs RWY 24

STARs RWY 06

6-30



Changes: New

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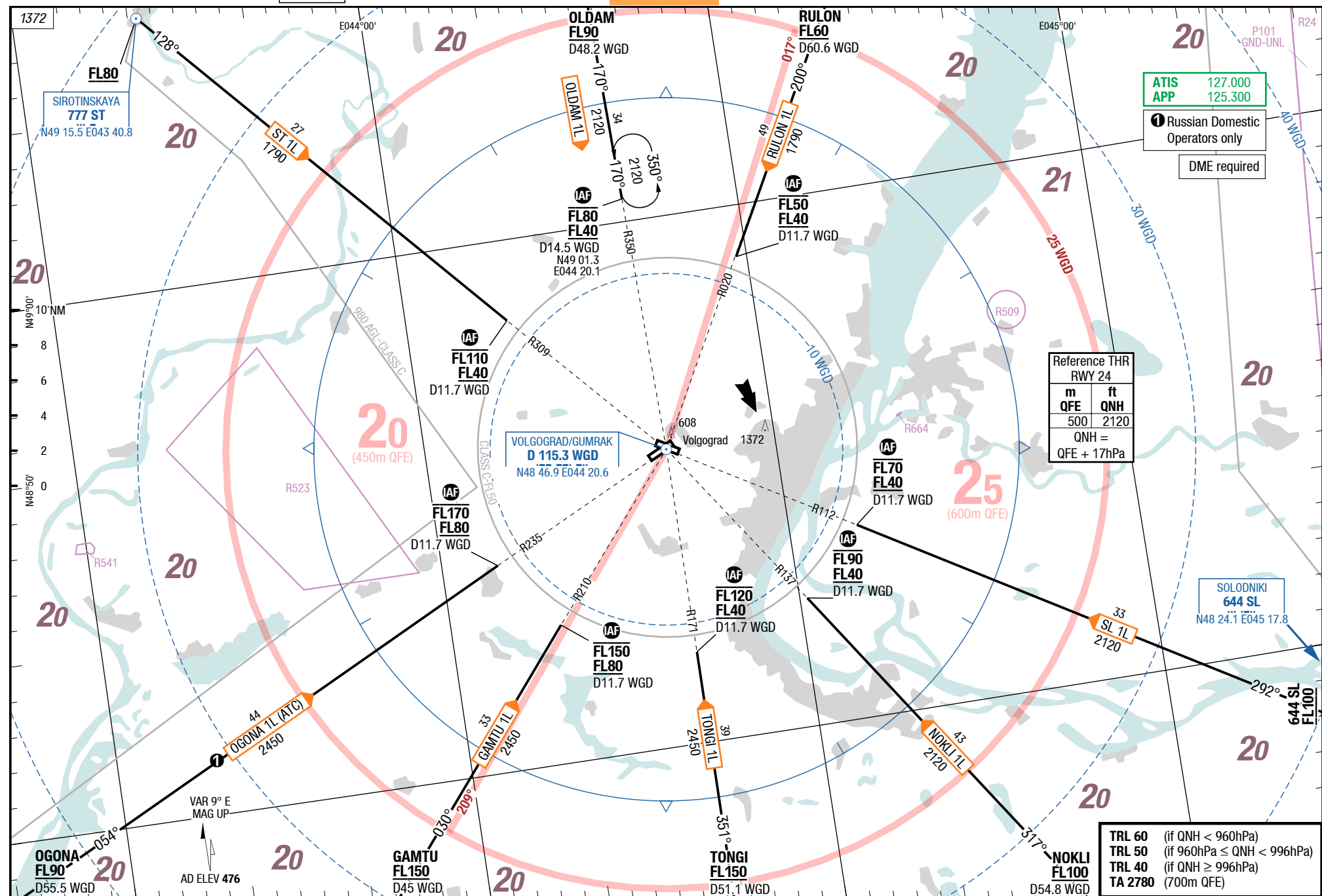
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STARs RWY 24

6-40

STARs RWY 24

STARs RWY 24



Changes: New

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STARs (via NDB)

STARs (via VOR)

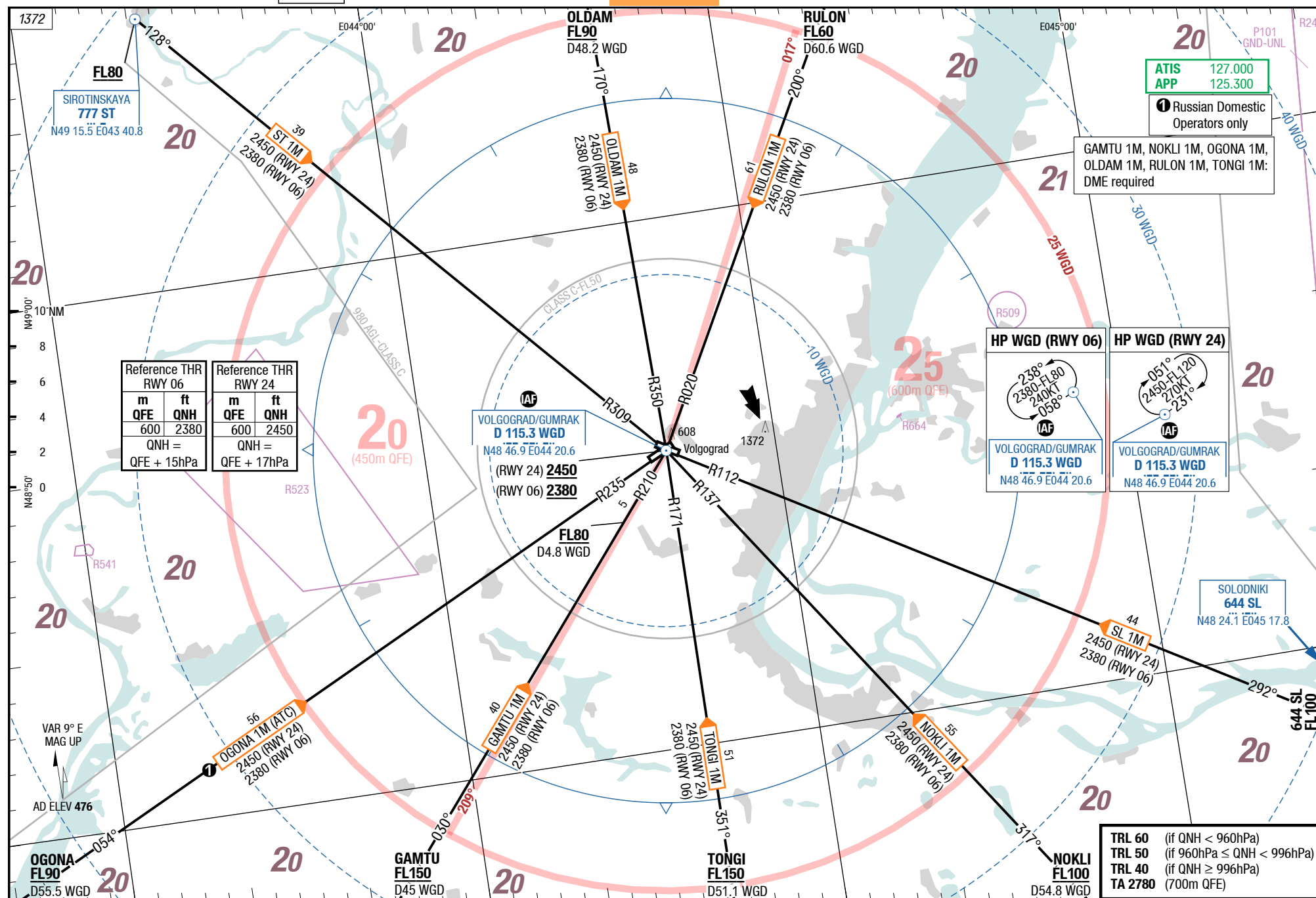
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STARs (via NDB)

STARs (via VOR)

6-50



Changes: New

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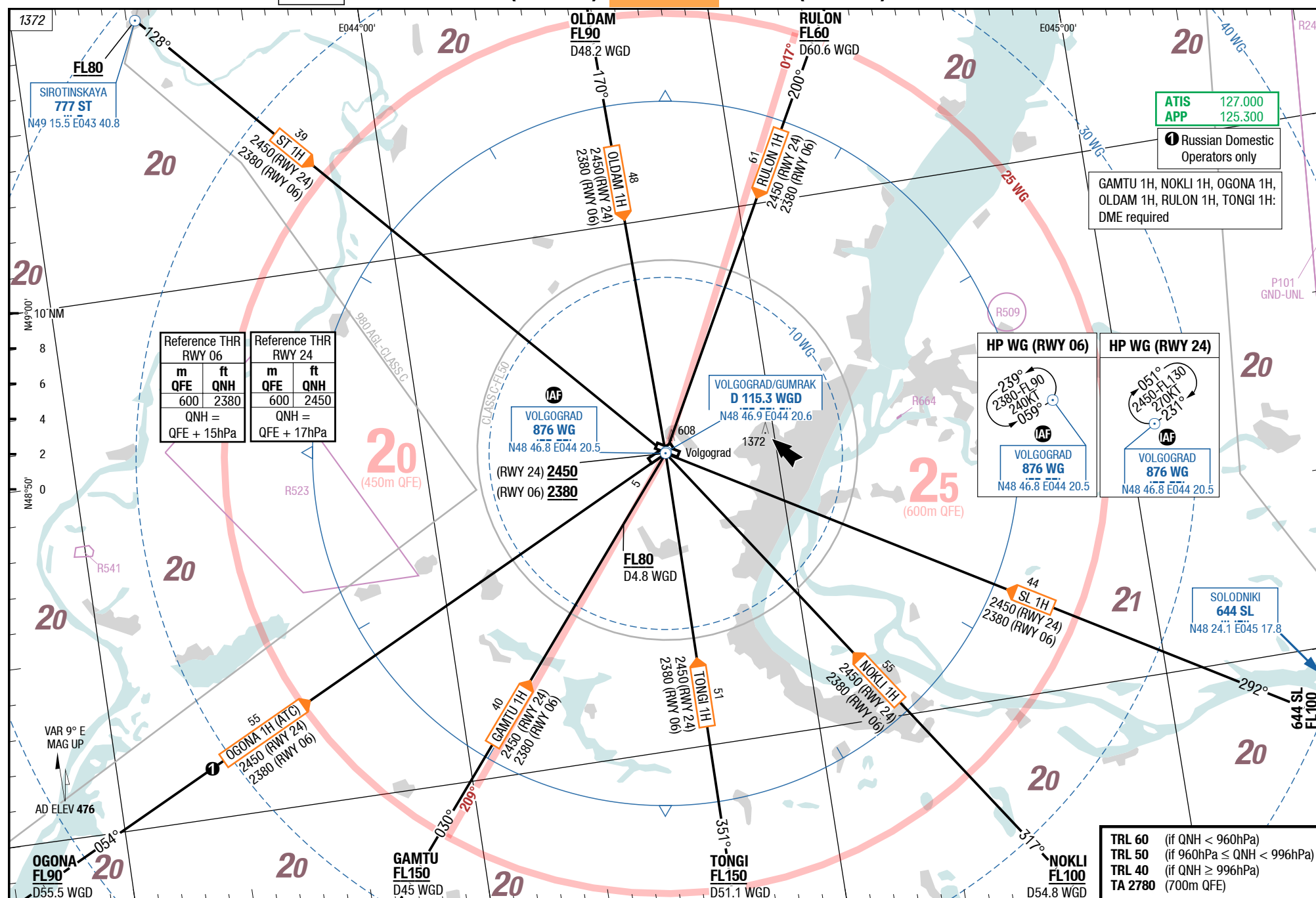
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STARs (via NDB)

6-60

STARs (via NDB)



Changes: New

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ILS Z 06

IAC

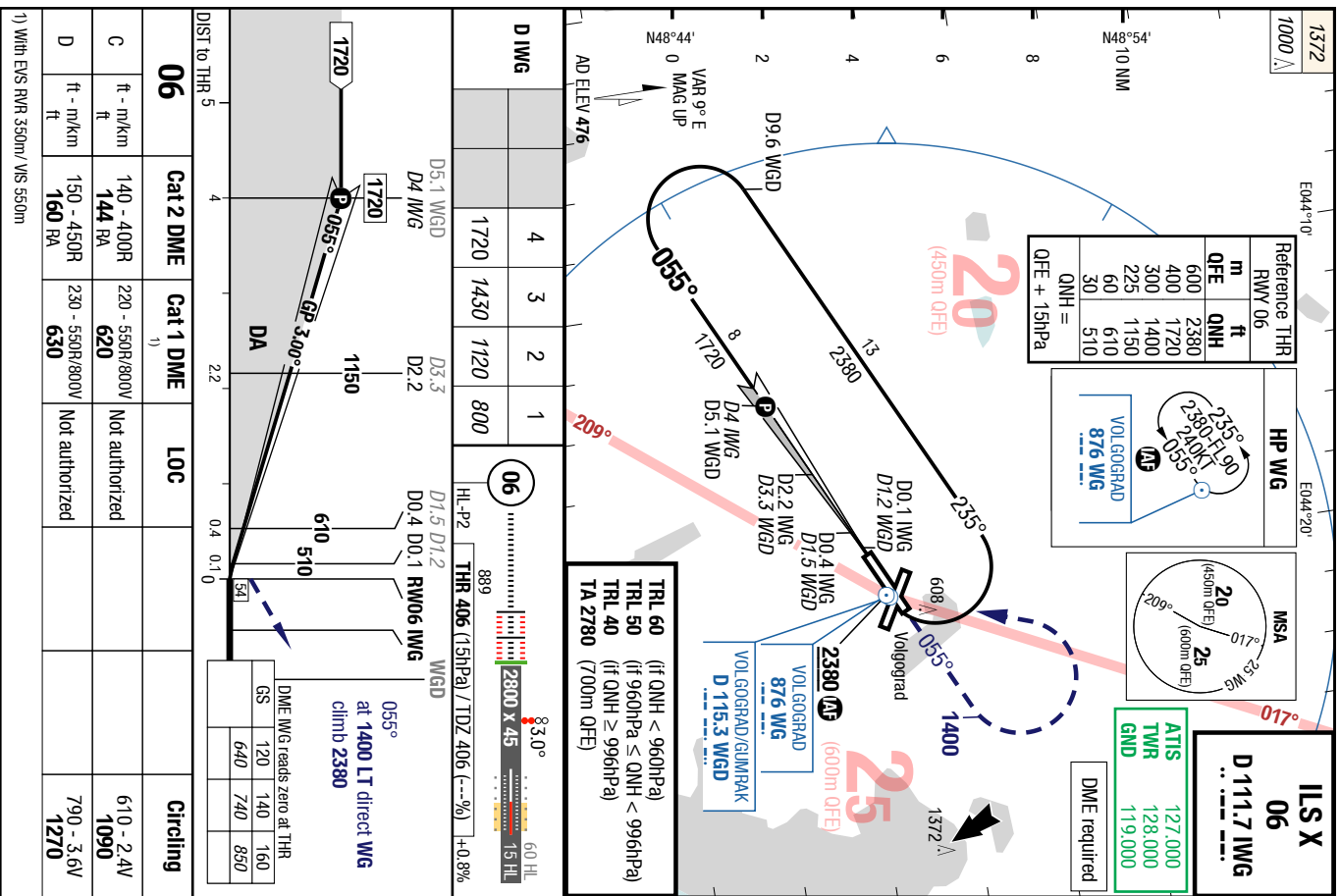
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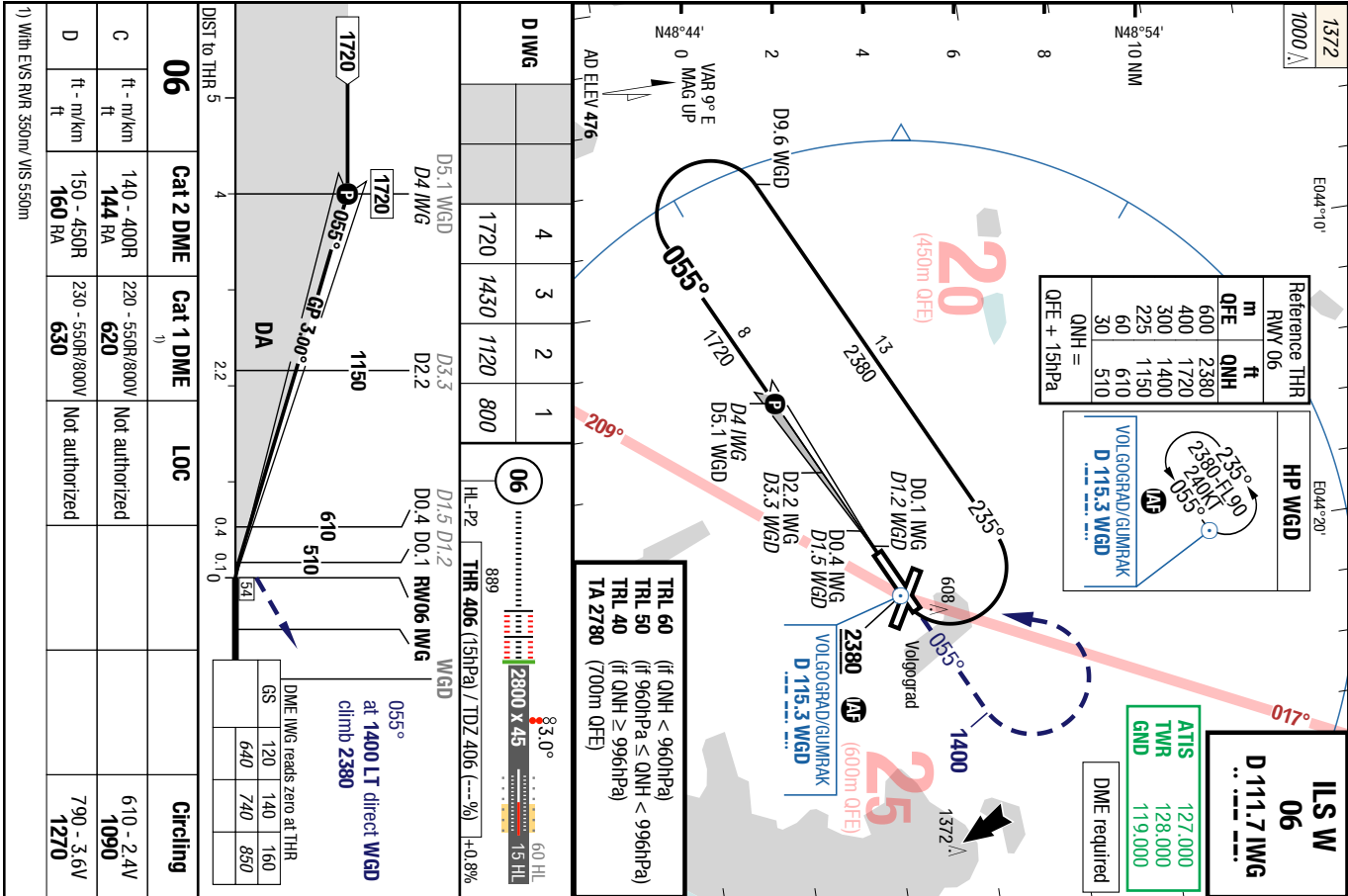
ILS Z 06

7-10

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Changes: MIN





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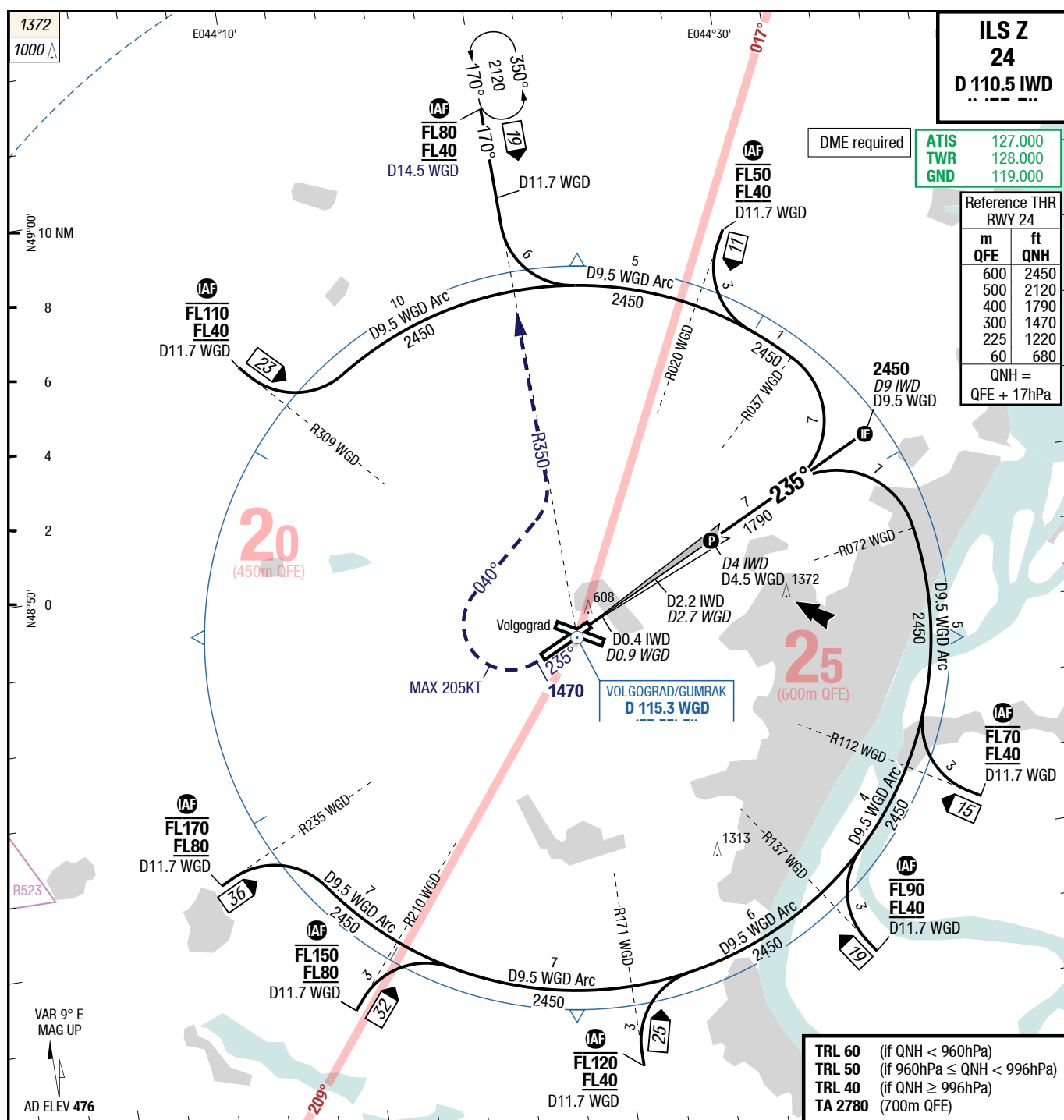
7-40

ILS Z 24

IAC

IAC

ILS Z 24



60 HL
15 HL **45 x 2800**
3.0°
-0.8% TDZ 476 (---%) / **THR 476** (17hPa) HL-P1

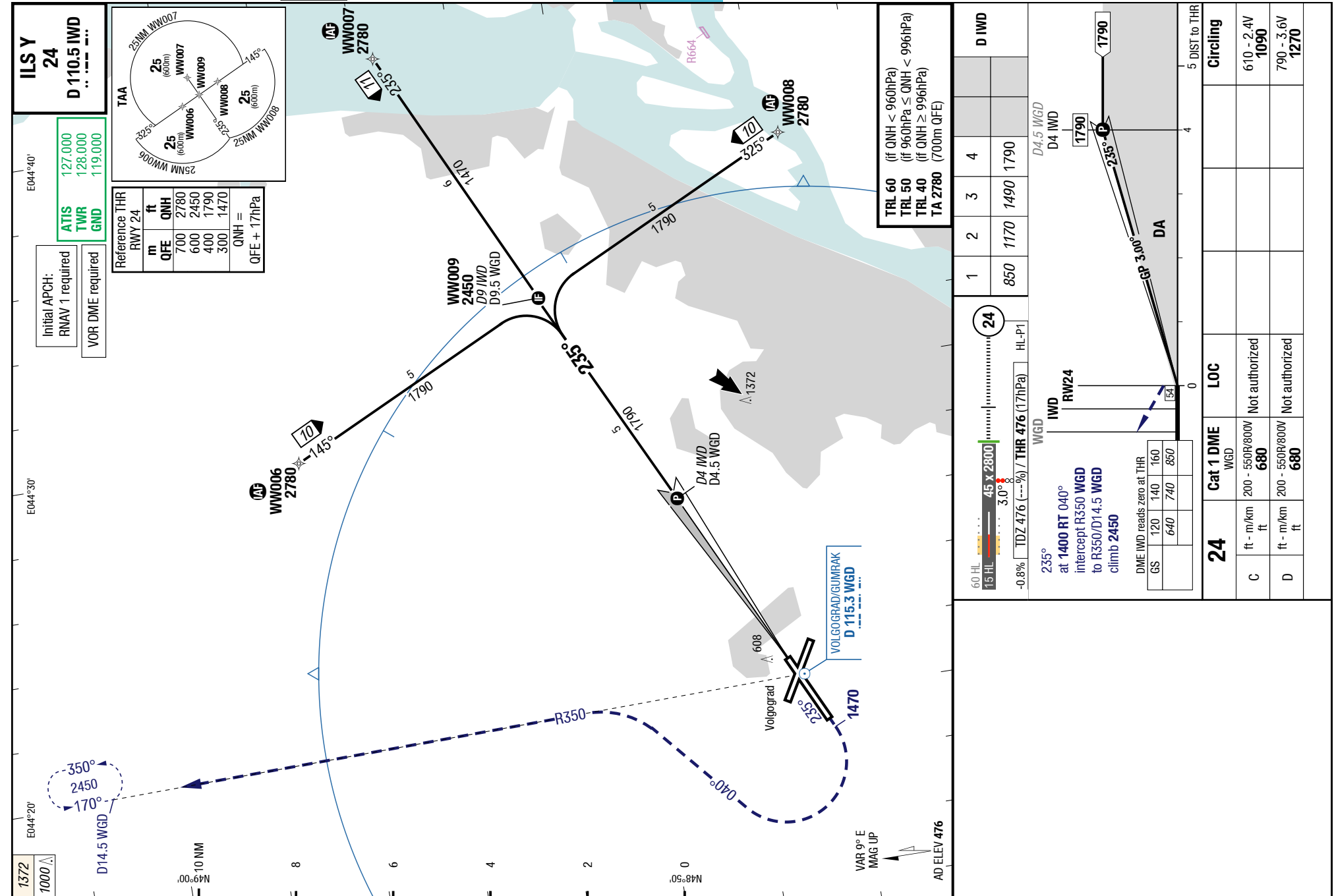
24

1 2 3 4 D IWD
850 1170 1490 1790

235°
at **1470 RT** (MAX 205KT) 040°
intercept R350 **WGD**
to R350/D14.5 **WGD**
climb **2120**

WGD D0.9 D2.7 D4.5 WGD
IWD D0.4 D2.2 D4 IWD
RW24 680 1220 1790
GP 3.00° 235°
DA 1790
DME IWD reads zero at THR
GS 120 140 160
640 740 850
0 0.4 2.2 4 5 DIST to THR

24		Cat 1 DME	LOC			Circling
C	ft - m/km ft	200 - 550R/800V 680	Not authorized			610 - 2.4V 1090
D	ft - m/km ft	200 - 550R/800V 680	Not authorized			790 - 3.6V 1270



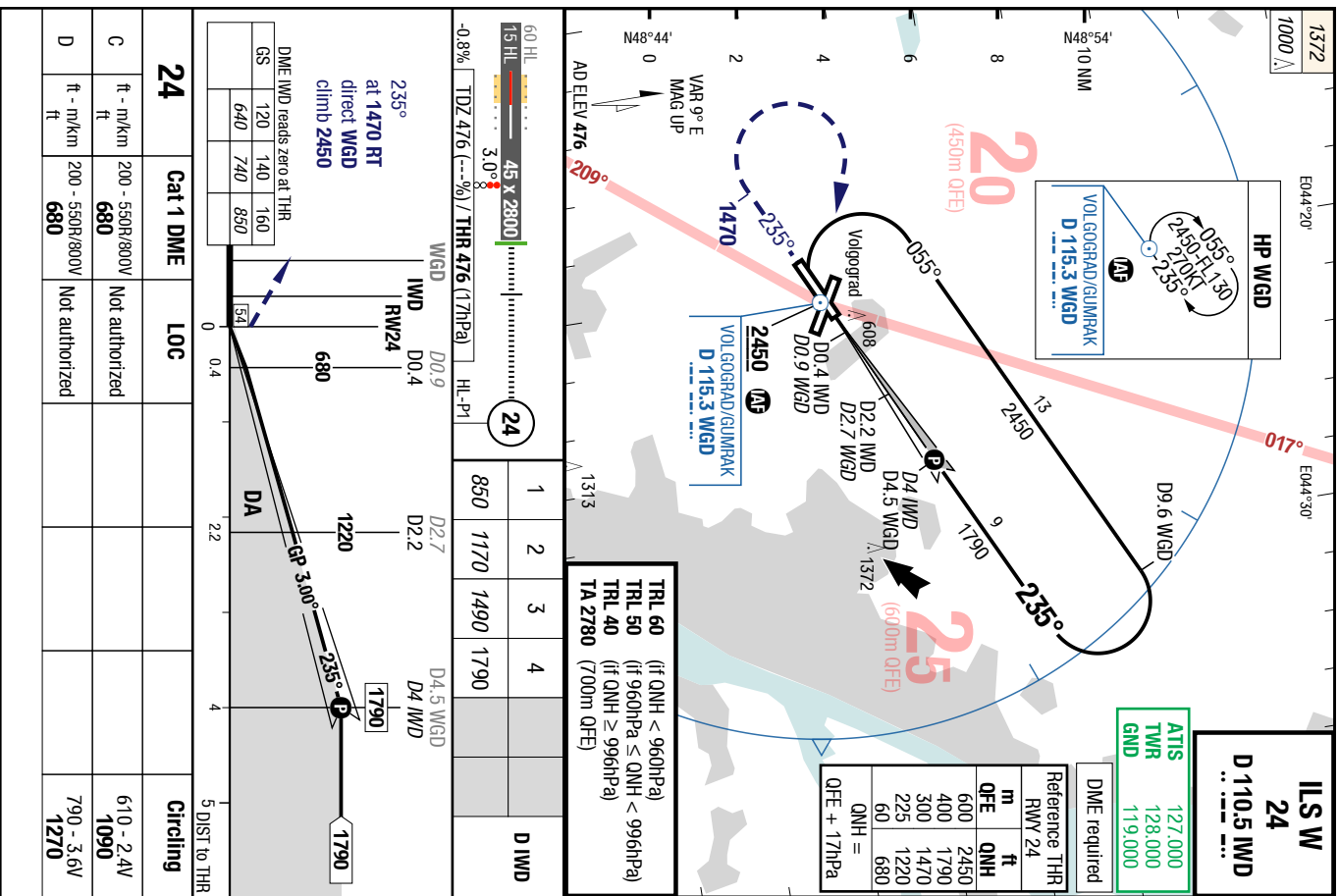
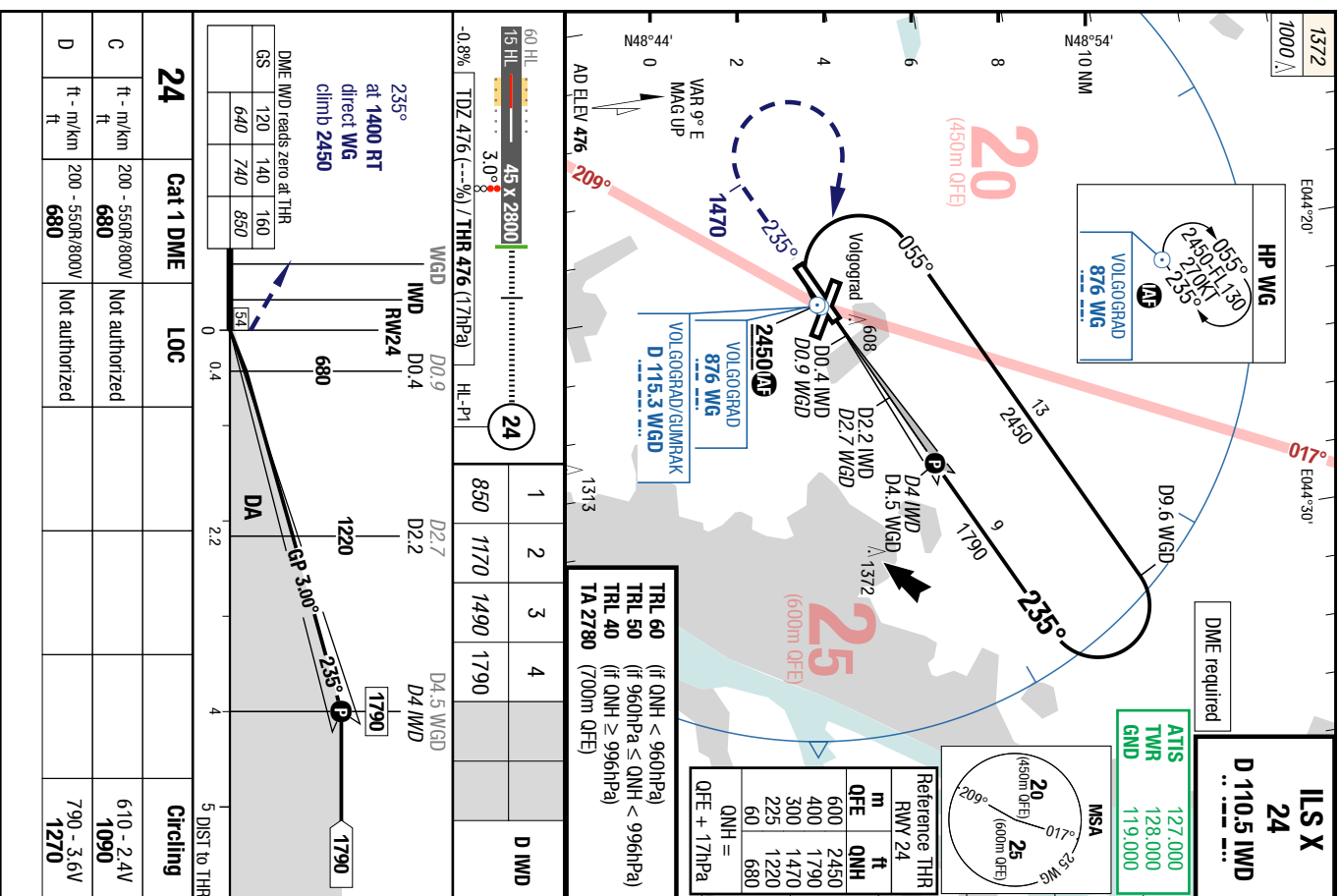
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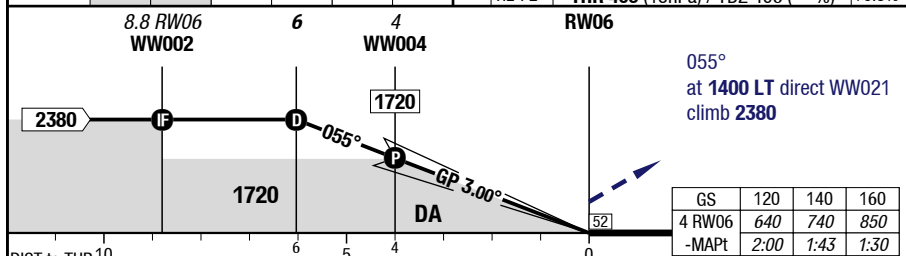
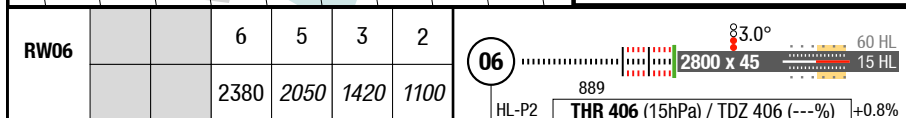
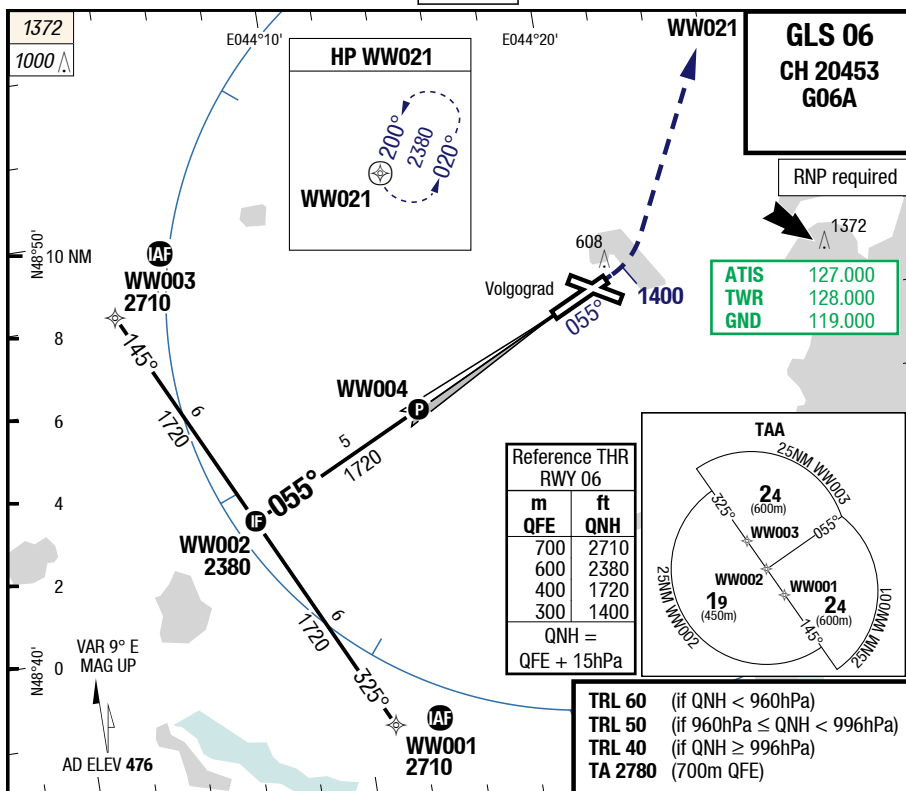
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ILS X 24

IAC

ILS W 24

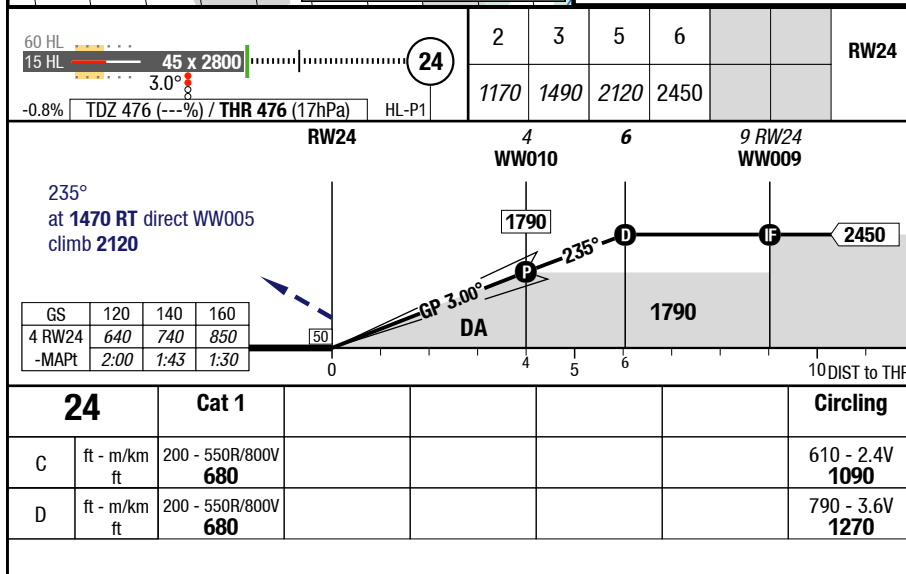
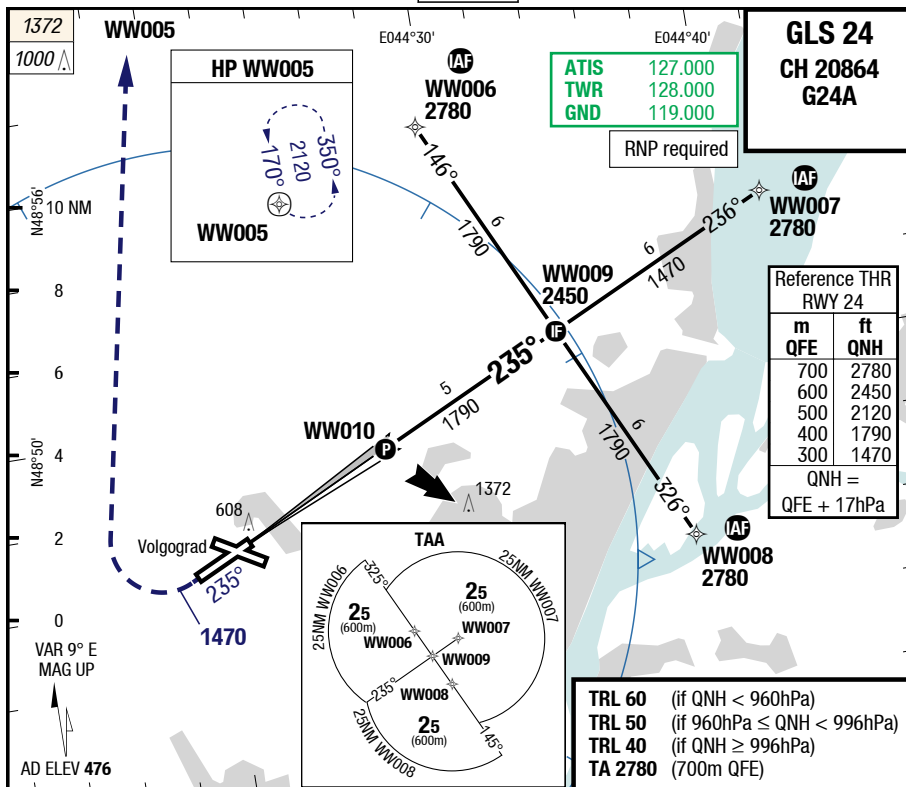


VOG-URWW**7-70****GLS 06**

06		Cat 1 ¹⁾					Circling
C	ft - m/km ft	220 - 550R/800V 620					610 - 2.4V 1090
D	ft - m/km ft	230 - 550R/800V 630					790 - 3.6V 1270

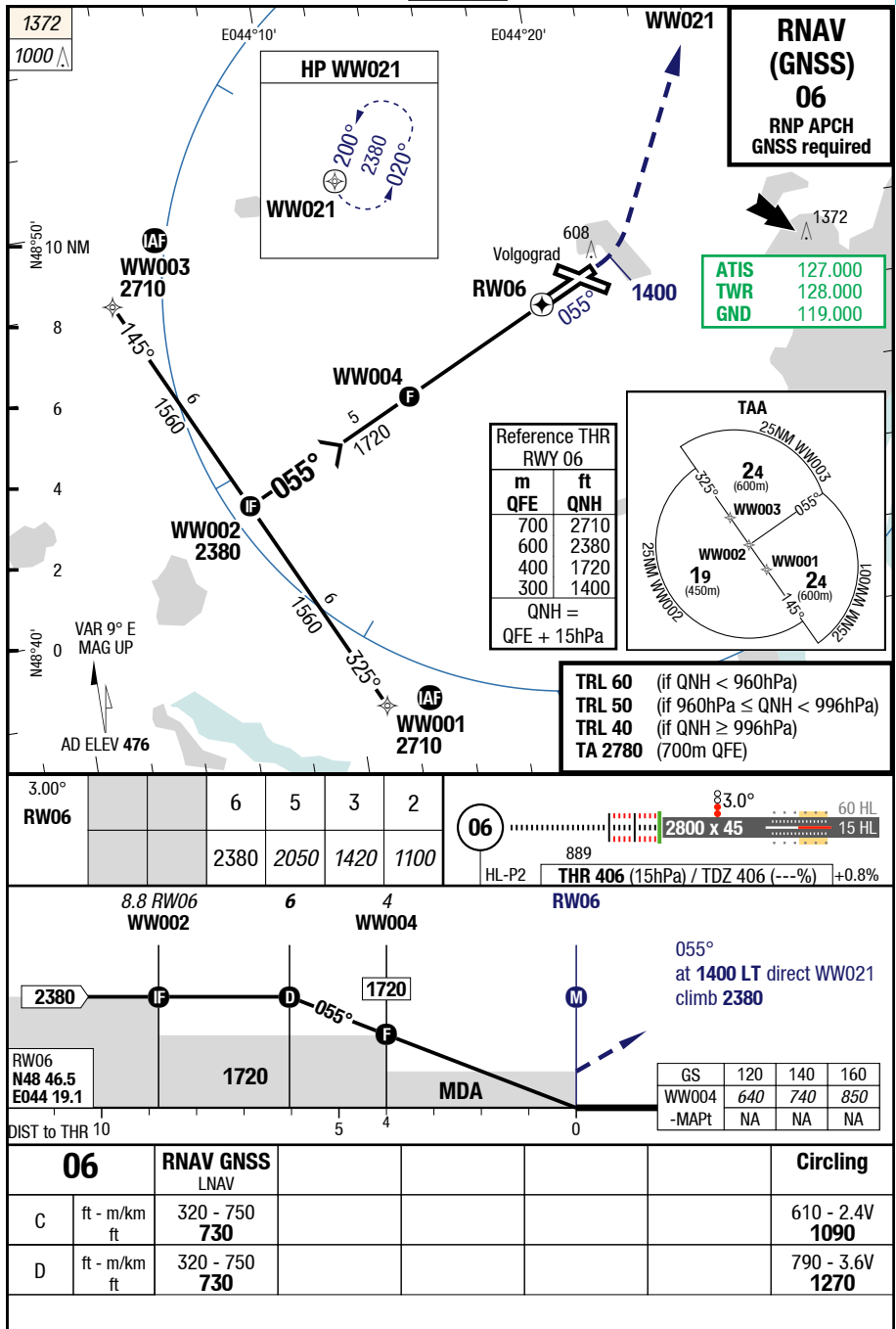
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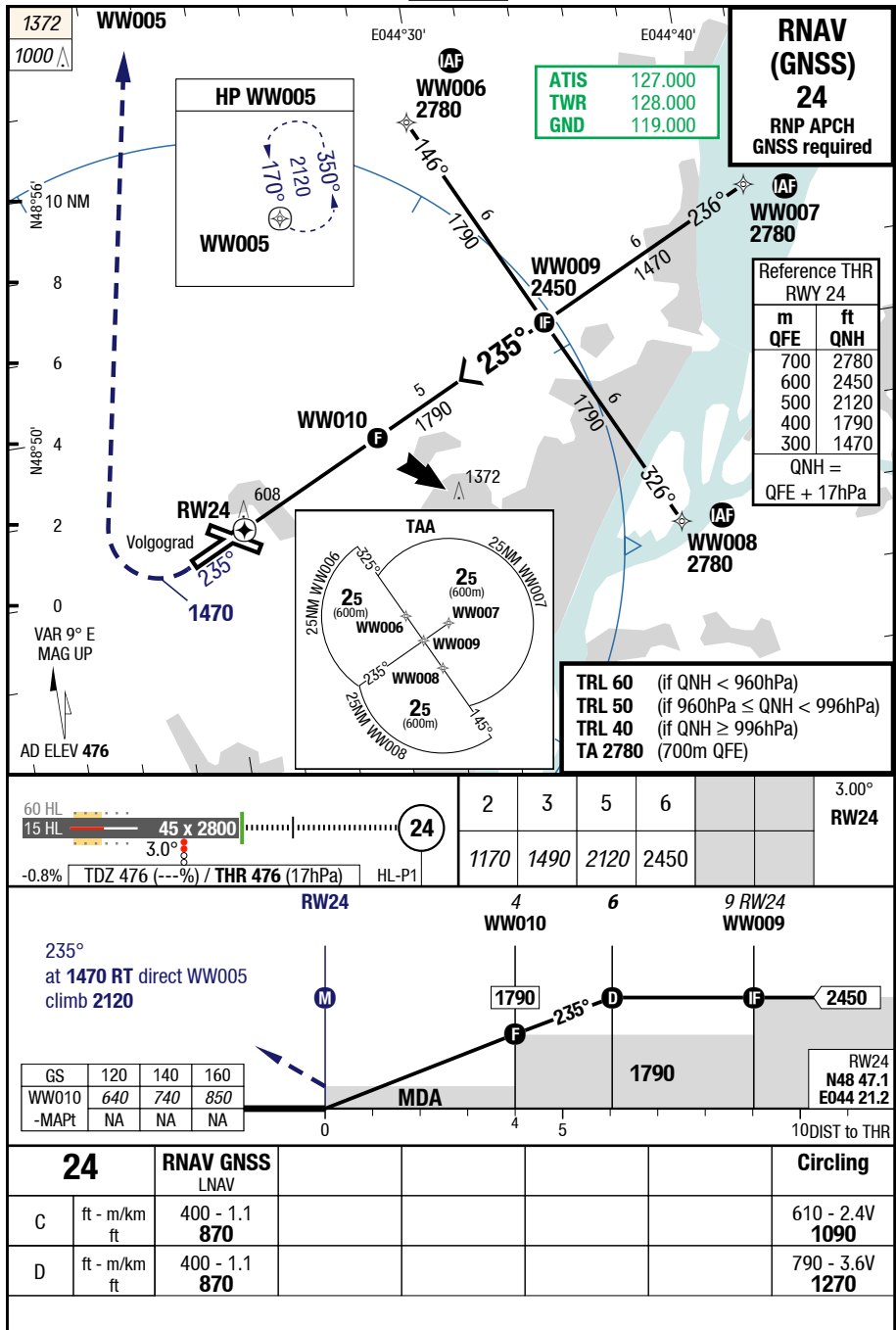
Changes: MIN

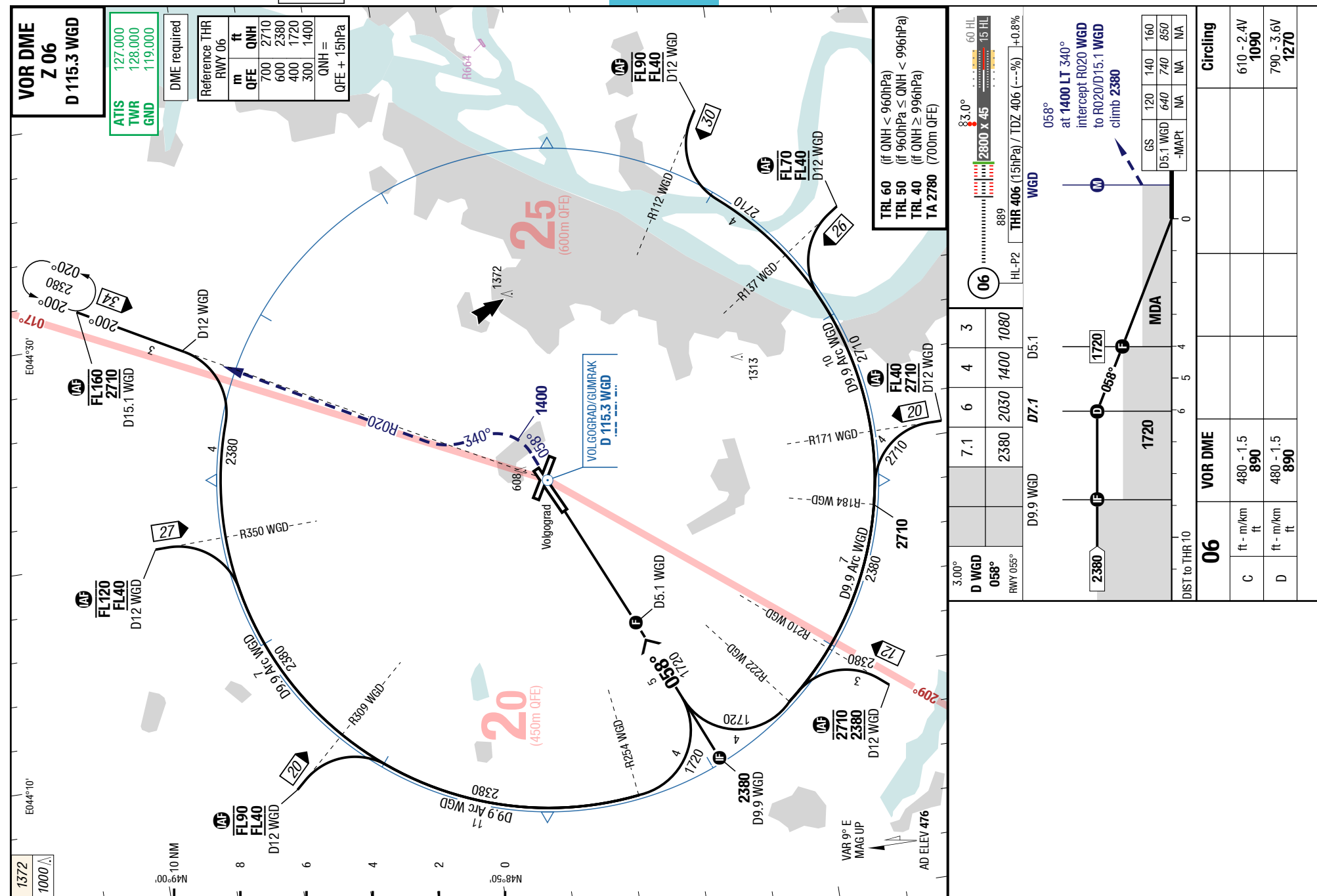
VOG-URWW**7-80****GLS 24**

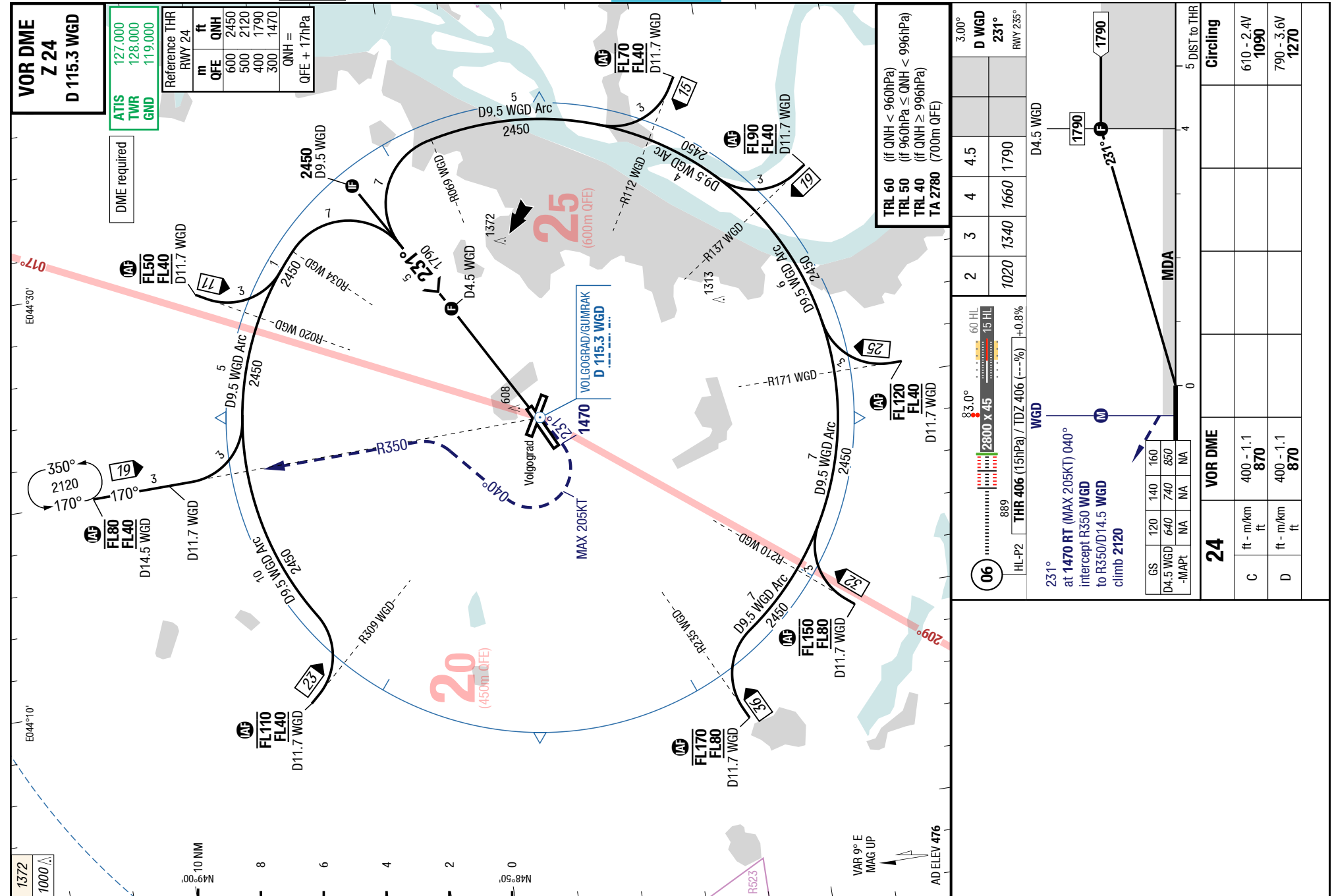
VOG-URWW

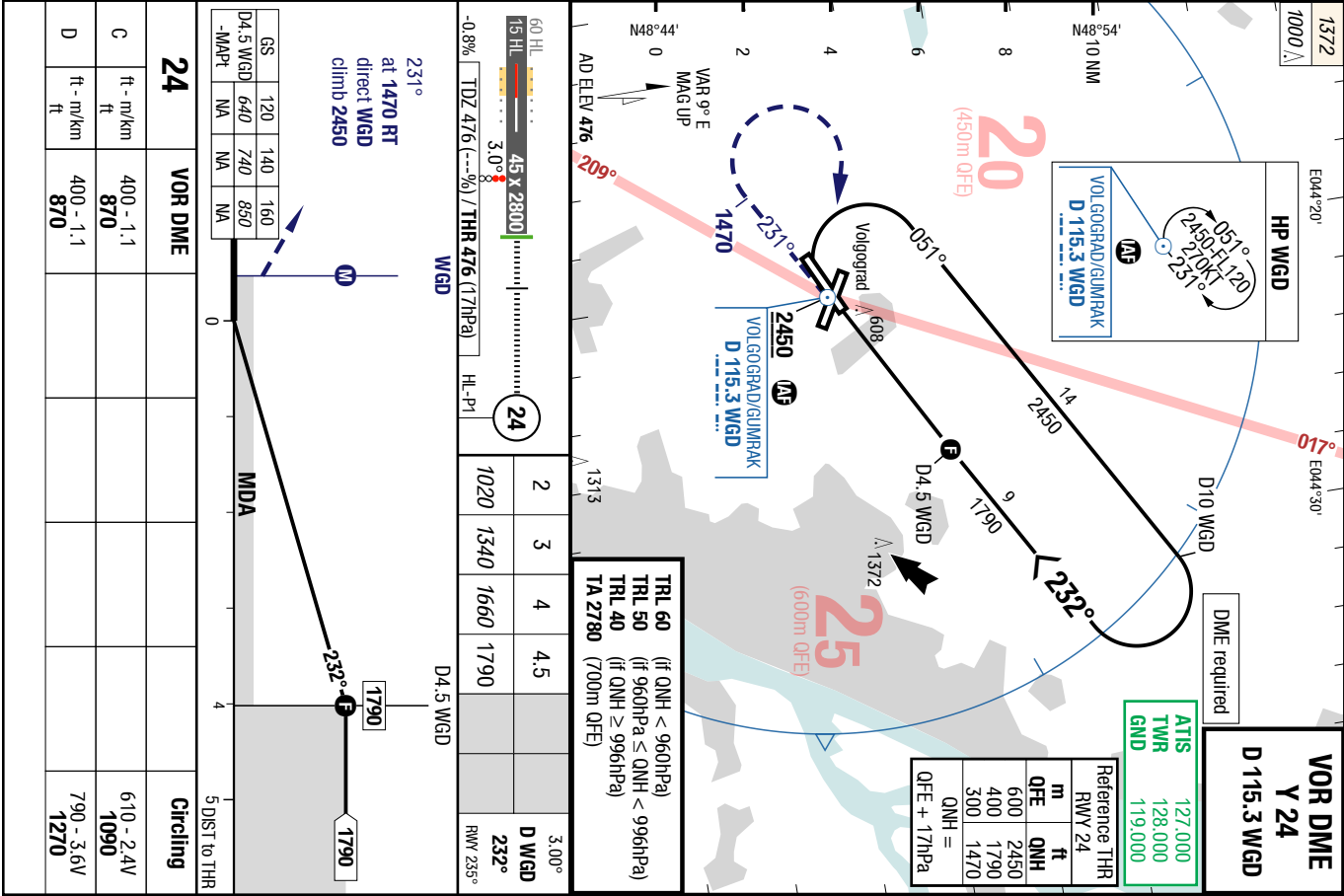
7-90

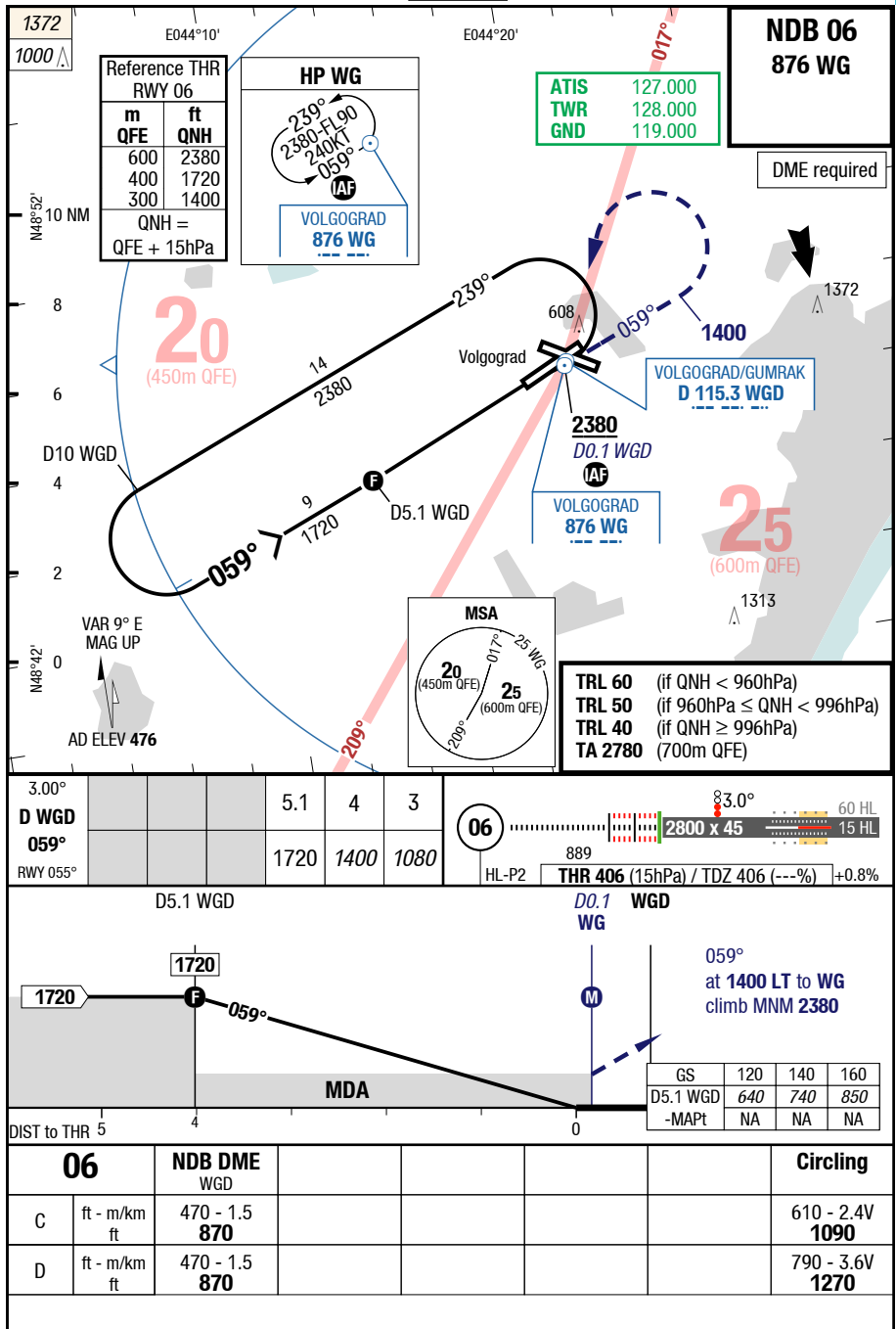
RNAV (GNSS) 06

VOG-URWW**7-100****RNAV (GNSS) 24**







VOG-URWW**7-150****NDB 06**

VOG-URWW

7-160

NDB 24

