

KLF-UUBC

1-10

AOI

AOI

GENERAL

Operational Hours

ATS Hours / AD OPS Hours: 0500-1800

AD ADMIN Hours: MON-FRI 0500-1400. SAT, SUN and HOL CLSD

Airport Information

RFF: CAT 6

Fuel: TS-1

PCN: RWY 13/31: 42/F/D/X/T

Customs: O/R, 72HR PN in advance

Operation

Low Visibility Procedure

LVP in force when RVR below 600m.

Report RWY vacation to TWR after RWY holding position line on TWY.

TKOF not from RWY extremity prohibited.

TKOF without stop at line-up position prohibited.

Taxi strictly along CL.

Follow-me AVBL O/R.

RWY Restriction

Report landing and vacation of RWY during taxiing to TWR.

TKOF shall be carried out from RWY extremity only.

TWY Restriction

TWY A width 17m / 56ft.

TWY B width 10.5m / 34ft.

Taxi/Parking

Taxiing during night and day time, if VIS is below 2km, shall be carried out with landing/taxi lights switched on.

ACFT entering RWY must stop at RWY holding position on TWY A.

Report to TWR when reaching RWY holding position.

Taxiing from APN A to APN B and vice versa by towing only.

Warnings

Birds in vicinity of AD.

ARRIVAL

Communication

COM Failure: See CRAR Russian Federation.

KLF-UUBC

1-20

AOI

AOI

DEPARTURE

Take-off Minima

RWY		13/31	
All ACFT	ft - m/km	0 - 400V	HJ only
		0 - 800V	HN

Communication

COM Failure: See CRAR Russian Federation.

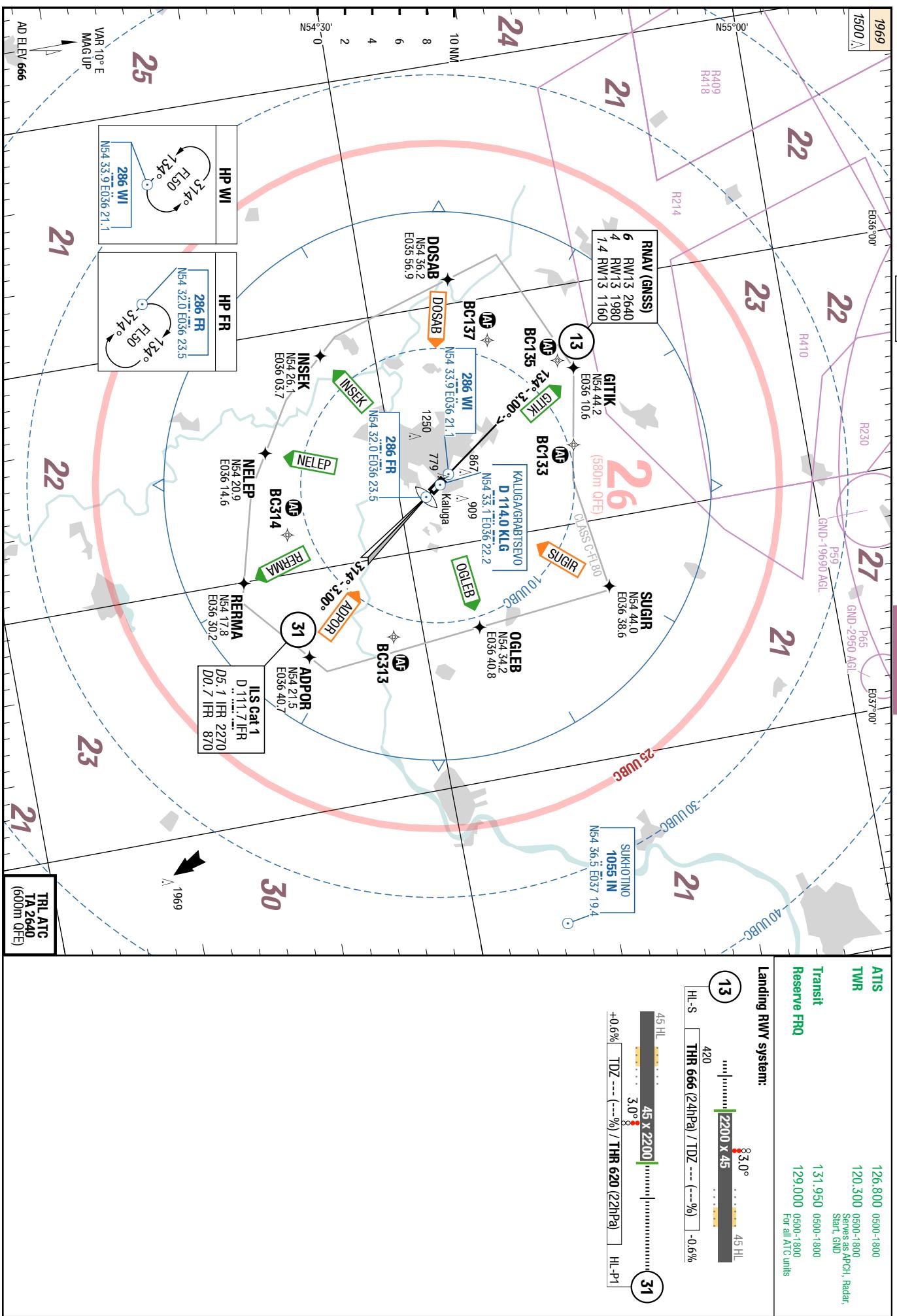
Departure Procedure

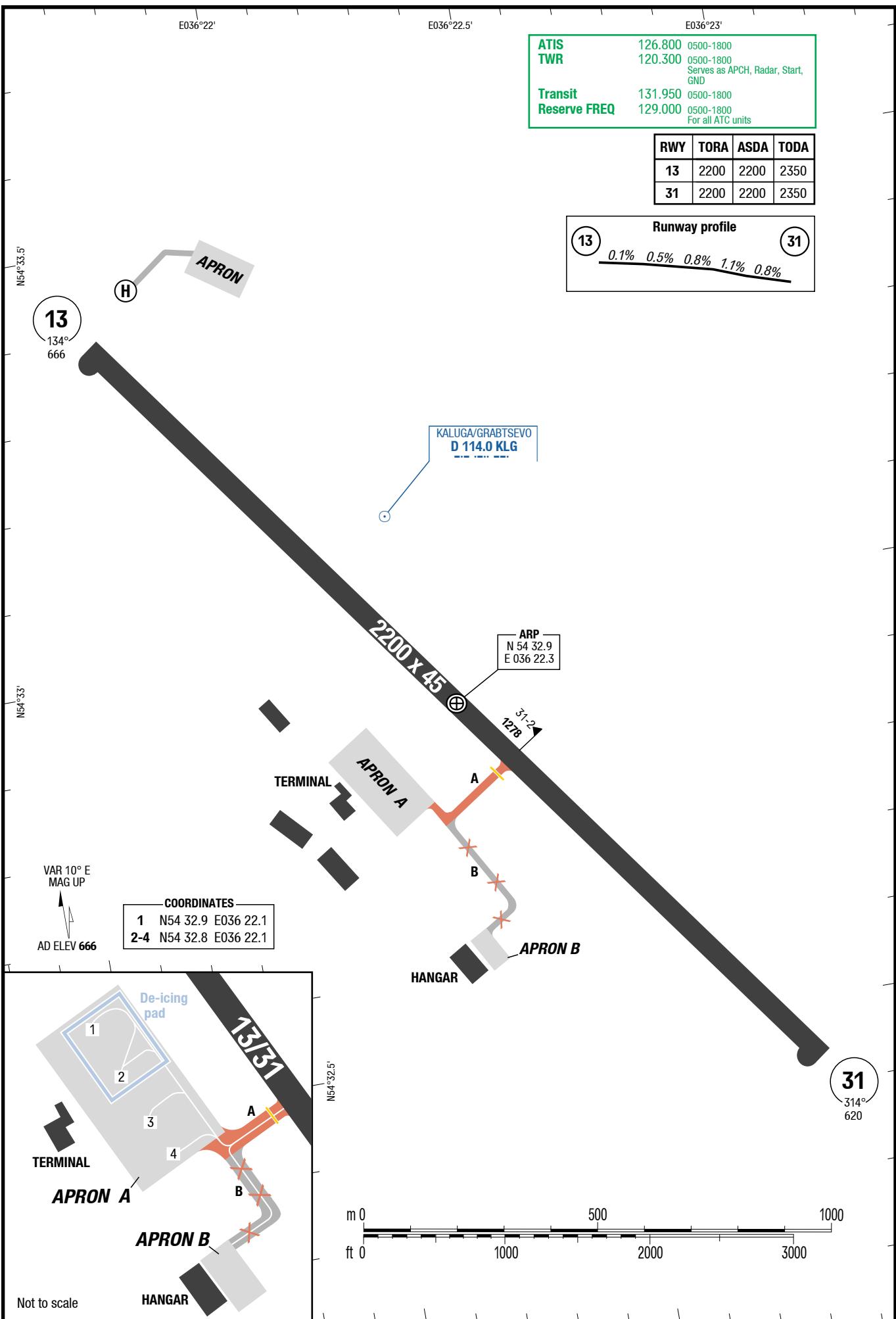
Start-up/Push-back

REQ ENG start-up from TWR.

De-Icing

AVBL 0400-1900.





25-FEB-2016

KLF-UUBC

Russian Federation Kaluga Grabtsevo

RNAV SIDs RWY 31

4-10

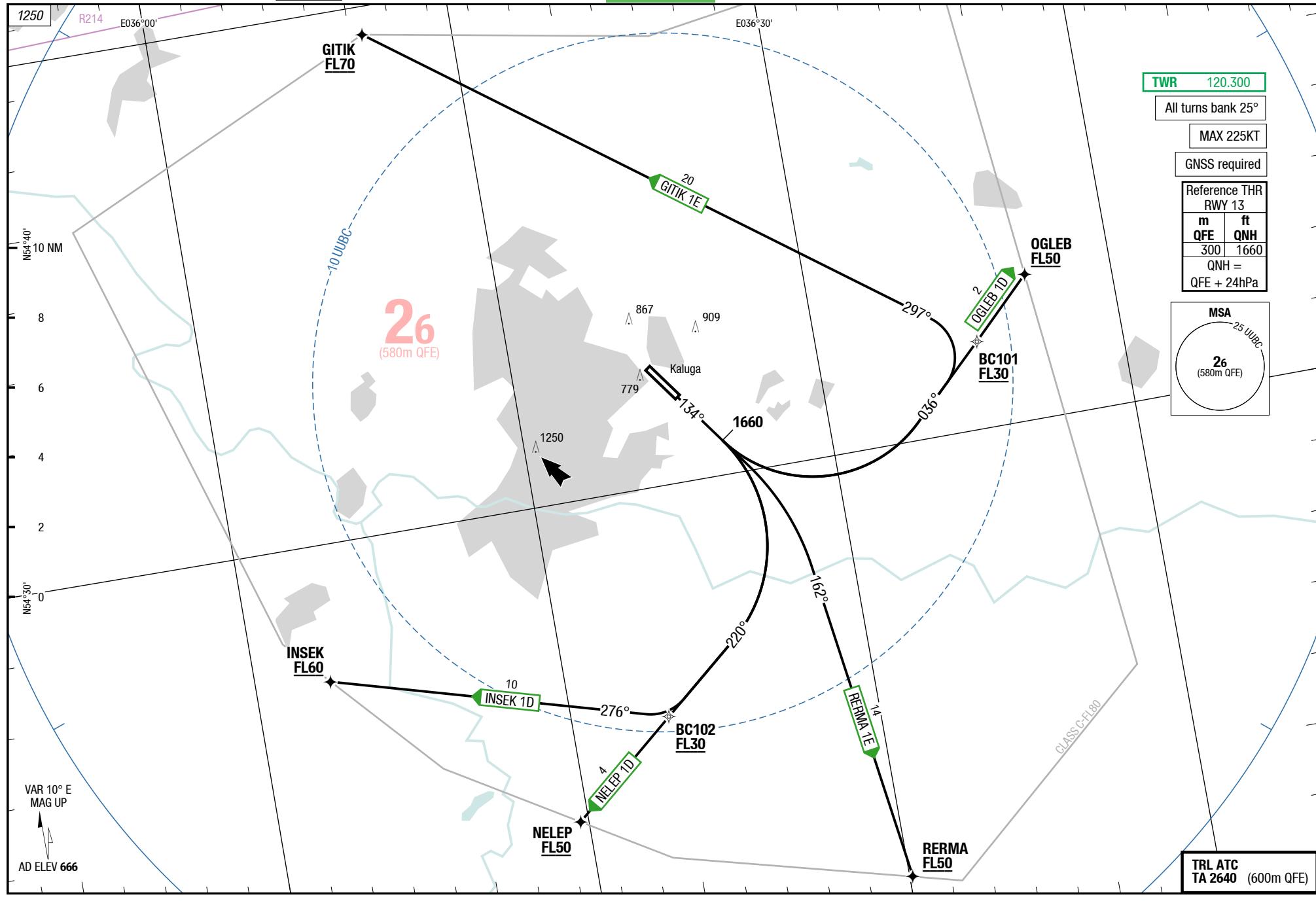
RNAV SIDs RWY 13

SID SID

Grabtsevo Kaluga Russian Federation

RNAV SIDs RWY 31

RNAV SIDs RWY 13



25-FEB-2016

Russian Federation **Kaluga** Grabtsevo

Grabtsevo **Kaluga** Russian Federation

KLF-UUBC

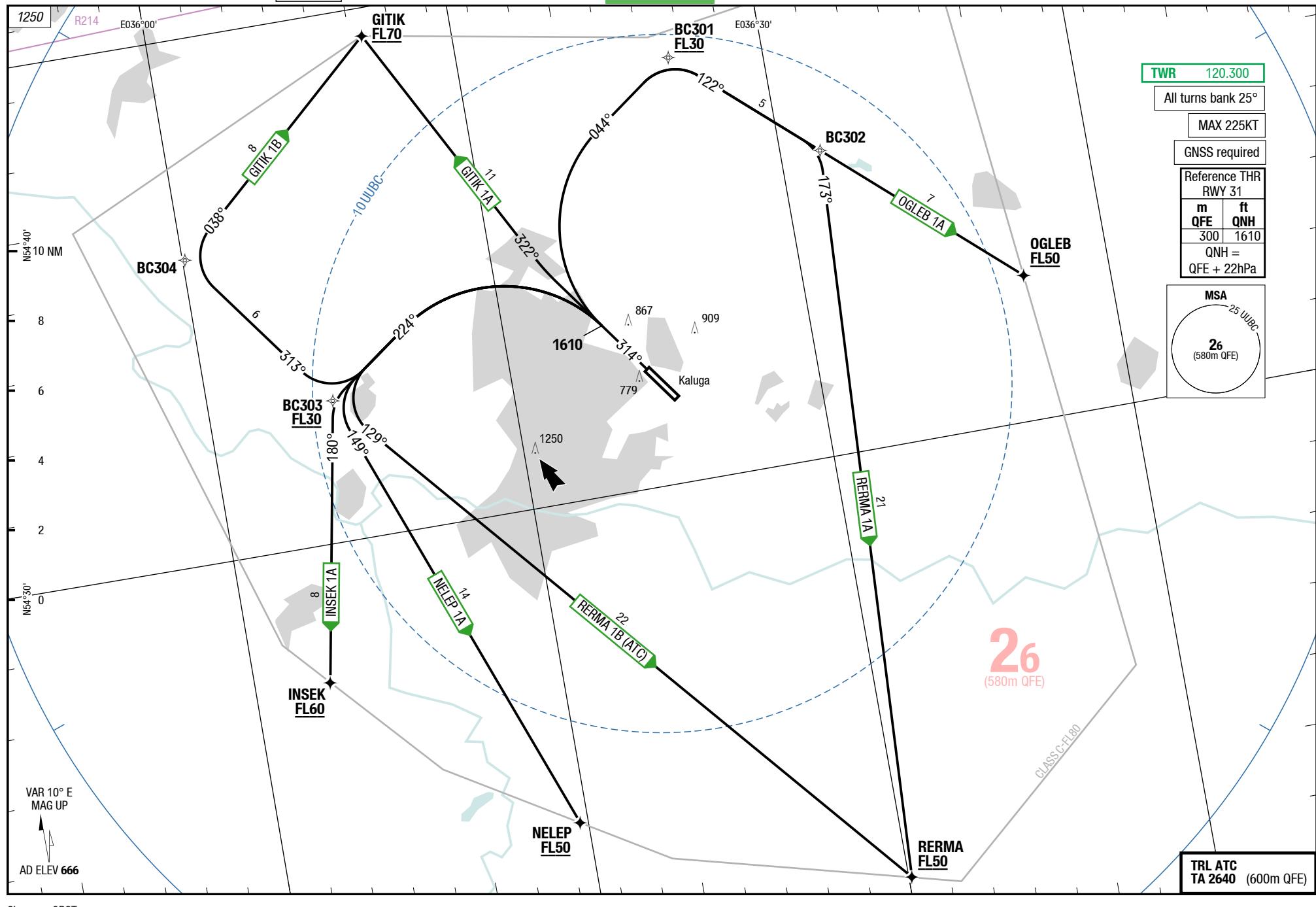
4-20

RNAV SIDs RWY 31

sid

sid

RNAV SIDs RWY 31



Effective 17-AUG-2017

10-AUG-2017

KLF-UUBC

Russian Federation **Kaluga** Grabtsevo

Grabtsevo **Kaluga** Russian Federation

-30

SIDs RWY 13 (via KLG)

10

10

Changes: ALT, Note, OBST, DIST

Effective 17-AUG-2017

10-AUG-2017

KLF-UUBC

Russian Federation Kaluga Grabtsevo

4-40

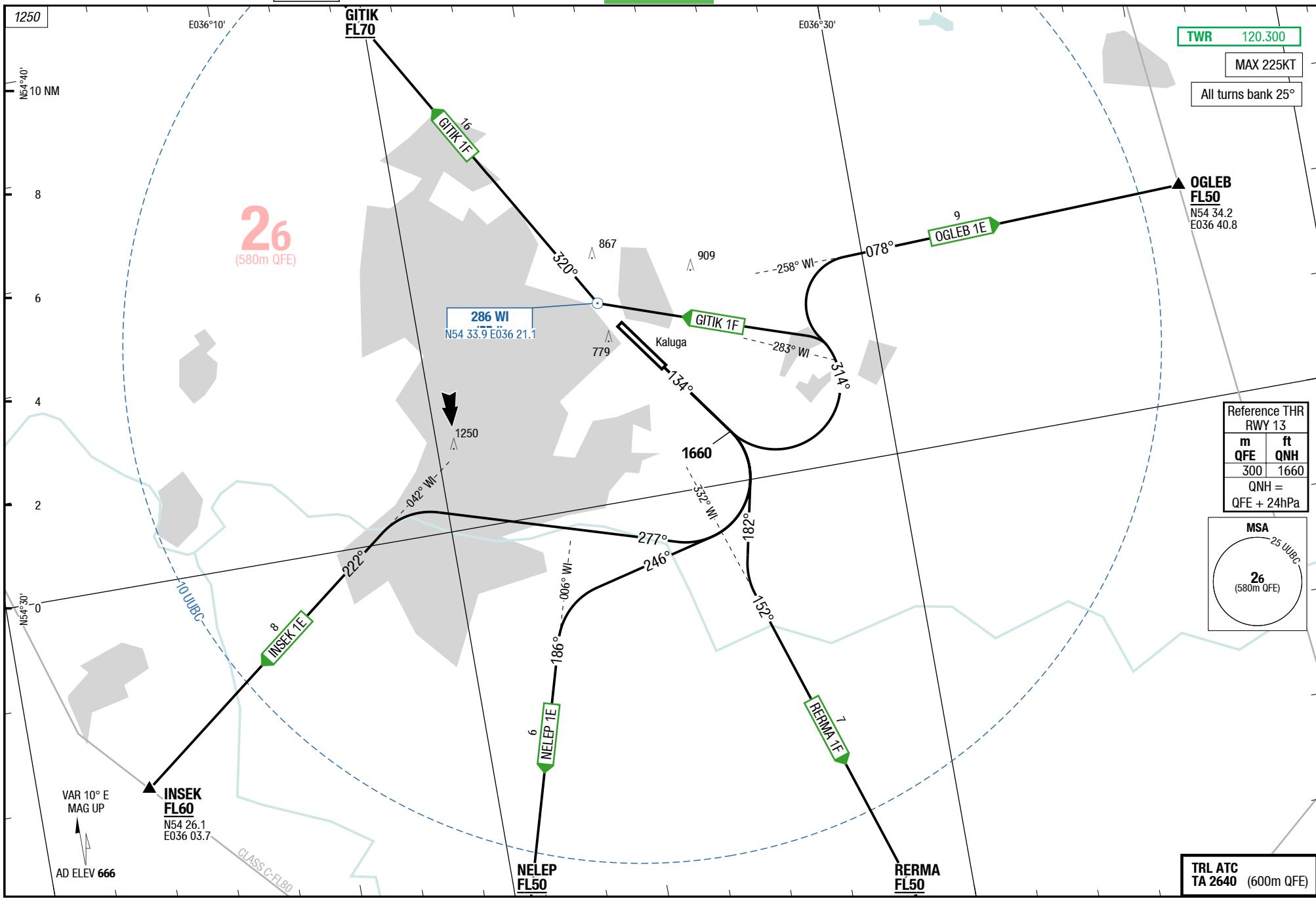
SIDs RWY 13 (via WI)

SID

SID

Grabtsevo Kaluga Russian Federation

SIDs RWY 13 (via WI)



Changes: Nil

Effective 17-AUG-2017

10-AUG-2017

KLF-UUBC

Russian Federation **Kaluga** Grabtsevo

Grabtsevo **Kaluga** Russian Federation

4-50

SIDs RWY 31 (via KLG)

1

20

26 (580m QFE)

Reference THR RWY 31

m	ft
QFE	QNH
300	1610
QNH = QFE + 22hPa	

MSA

26 (580m QFE)

TWR 120.300

MAX 225KT

All turns bank 25°

DME required

TRL ATC TA 2640 (600m QFE)

VAR 10° E MAG UP

AD ELEV 666

CLASS C FL80

GITIK FL70
D13 KLG
N54 44.2
E036 10.6

INSEK FL60
D12.9 KLG
N54 26.1
E036 03.7

NELEP FL50
D13 KLG
N54 20.9
E036 14.6

RERMA FL50
D16.1 KLG
N54 17.8
E036 30.2

OGLEB FL50
D10.9 KLG
N54 34.2
E036 40.8

NELEP 1C
13
R190
R153
1610
177°
1250
876
779
909
R319
R075
11
GITIK 1D
11
R227
13
INSEK 1C
13
NELEP 1C
16
RERMA 1D
11
OGLEB 1C

KALUGA/GRABTSEVO D 114.0 KLG
N54 33.1 E036 22.2

25 UBC

26 (580m QFE)

25 UBC

26 (580m QFE)

Changes: ALT, OBST, DIST, Note

Effective 17-AUG-2017

10-AUG-2017

KLF-UUBC

Russian Federation Kaluga Grabtsevo

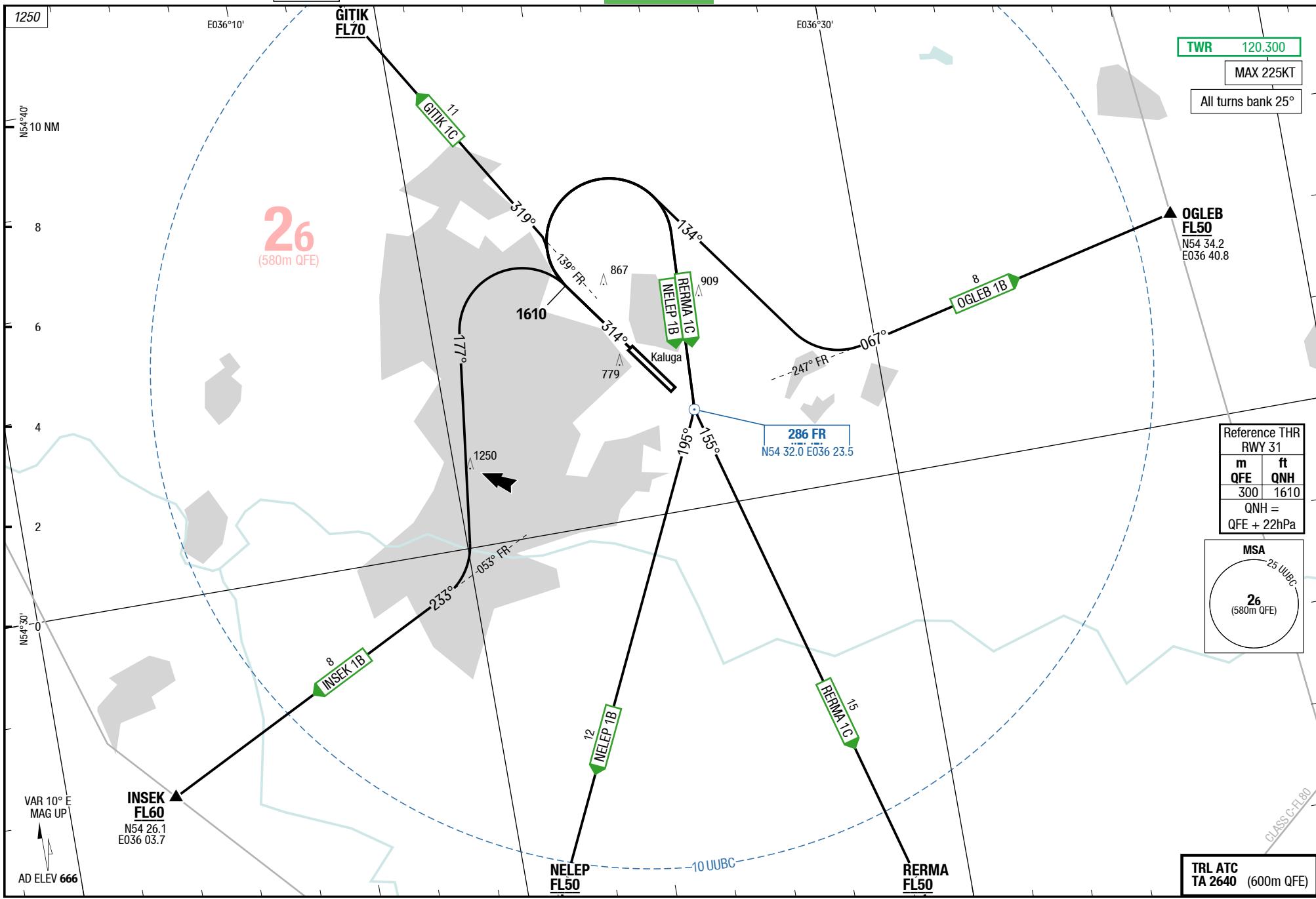
4-60

SIDs RWY 31 (via FR)

SID

Grabtsevo Kaluga Russian Federation

SIDs RWY 31 (via FR)



26-NOV-2015

KLF-UUBC

5-10

RNAV SIDs RWY 13

SIDPT

GITIK 1E / INSEK 1D / NELEP 1D / OGLEB 1D / RERMA 1E

RWY 13 (134°)

	GS	120	150	180	210	240	270
4.3%	ft/MIN	600	700	800	1000	1100	1200
4.5%	ft/MIN	600	700	900	1000	1100	1300
4.8%	ft/MIN	600	800	900	1100	1200	1400
5.2%	ft/MIN	700	800	1000	1200	1300	1500

DESIGNATOR	ROUTING	ALTITUDES
	Runway 13	
GITIK 1E 120.300 ①②	No procedure text published	BC101 MNM FL30 GITIK MNM FL70
INSEK 1D 4.3% 120.300 ①②	No procedure text published	BC102 MNM FL30 INSEK MNM FL60
NELEP 1D 4.8% 120.300 ①②	No procedure text published	BC102 MNM FL30 NELEP MNM FL50
OGLEB 1D 5.2% 120.300 ①②	No procedure text published	BC101 MNM FL30 OGLEB MNM FL50
RERMA 1E 4.5% 120.300 ①②	No procedure text published	RERMA MNM FL50

① MAX 225KT

② All turns shall be carried out with bank of 25°.

26-NOV-2015

KLF-UUBC

5-20

RNAV SIDs RWY 31

SIDPT

GITIK 1A / GITIK 1B / INSEK 1A / NELEP 1A / OGLEB 1A / RERMA 1A / RERMA 1B
RWY 31 (314°)

	GS	120	150	180	210	240	270
5.1%	ft/MIN	700	800	1000	1100	1300	1400
5.3%	ft/MIN	700	900	1000	1200	1300	1500
8.2%	ft/MIN	1000	1300	1500	1800	2000	2300

DESIGNATOR	ROUTING	ALTITUDES
Runway 31		
GITIK 1A 8.2% 120.300 ①②	No procedure text published	GITIK MNM FL70
GITIK 1B 5.1% 120.300 ①②	No procedure text published	BC303 MNM FL30 GITIK MNM FL70
INSEK 1A 5.3% 120.300 ①②	No procedure text published	BC303 MNM FL30 INSEK MNM FL60
NELEP 1A 120.300 ①②	No procedure text published	BC303 MNM FL30 NELEP MNM FL50
OGLEB 1A 120.300 ①②	No procedure text published	BC301 MNM FL30 OGLEB MNM FL50
RERMA 1A 120.300 ①②	No procedure text published	BC301 MNM FL30 RERMA MNM FL50
RERMA 1B (ATC) 120.300 ①②	No procedure text published	BC303 MNM FL30 RERMA MNM FL50

① MAX 225KT.

② All turns shall be carried out with bank of 25°.

26-NOV-2015

KLF-UUBC

5-30

SIDs RWY 13 (via KLG)

GITIK 1G / INSEK 1F / NELEP 1F / OGLEB 1F / RERMA 1G

RWY 13 (134°)

	GS	120	150	180	210	240	270
4.2%	ft/MIN	600	700	800	900	1100	1200
4.4%	ft/MIN	600	700	900	1000	1100	1300
5.0%	ft/MIN	700	800	1000	1100	1300	1400

DESIGNATOR	ROUTING	ALTITUDES
Runway 13		
GITIK 1G 120.300 ①②	No procedure text published	GITIK MNM FL70
INSEK 1F 4.2% 120.300 ①②	No procedure text published	INSEK MNM FL60
NELEP 1F 4.4% 120.300 ①②	No procedure text published	NELEP MNM FL50
OGLEB 1F 5.0% 120.300 ①②	No procedure text published	OGLEB MNM FL50
RERMA 1G 4.4% 120.300 ①②	No procedure text published	RERMA MNM FL50

① MAX 225KT.

② All turns shall be carried out with bank of 25°.

26-NOV-2015

KLF-UUBC

5-40

SIDs RWY 13 (via WI)

GITIK 1F / INSEK 1E / NELEP 1E / OGLEB 1E / RERMA 1F

RWY 13 (134°)

	GS	120	150	180	210	240	270
4.2%	ft/MIN	600	700	800	900	1100	1200
4.4%	ft/MIN	600	700	900	1000	1100	1300
5.0%	ft/MIN	700	800	1000	1100	1300	1400

DESIGNATOR	ROUTING	ALTITUDES
Runway 13		
GITIK 1F 120.300 ①②	No procedure text published	GITIK MNM FL70
INSEK 1E 4.2% 120.300 ①②	No procedure text published	INSEK MNM FL60
NELEP 1E 4.4% 120.300 ①②	No procedure text published	NELEP MNM FL50
OGLEB 1E 5.0% 120.300 ①②	No procedure text published	OGLEB MNM FL50
RERMA 1F 4.4% 120.300 ①②	No procedure text published	RERMA MNM FL50

① MAX 225KT.

② All turns shall be carried out with bank of 25°.

26-NOV-2015

KLF-UUBC

5-50

SIDs RWY 31 (via KLG)

GITIK 1D / INSEK 1C / NELEP 1C / OGLEB 1C / RERMA 1D

RWY 31 (314°)

	GS	120	150	180	210	240	270
4.5%	ft/MIN	600	700	900	1000	1100	1300
8.2%	ft/MIN	1000	1300	1500	1800	2000	2300

DESIGNATOR	ROUTING	ALTITUDES
	Runway 31	
GITIK 1D 8.2% 120.300 ①②	No procedure text published	GITIK MNM FL70
INSEK 1C 4.5% 120.300 ①②	No procedure text published	INSEK MNM FL60
NELEP 1C 120.300 ①②	No procedure text published	NELEP MNM FL50
OGLEB 1C 120.300 ①②	No procedure text published	OGLEB MNM FL50
RERMA 1D 120.300 ①②	No procedure text published	RERMA MNM FL50

① MAX 225KT.

② All turns shall be carried out with bank of 25°.

26-NOV-2015

KLF-UUBC

5-60

SIDs RWY 31 (via FR)

SIDPT

GITIK 1C / INSEK 1B / NELEP 1B / OGLEB 1B / RERMA 1C

RWY 31 (314°)

	GS	120	150	180	210	240	270
4.5%	ft/MIN	600	700	900	1000	1100	1300
8.2%	ft/MIN	1000	1300	1500	1800	2000	2300

DESIGNATOR	ROUTING	ALTITUDES
	Runway 31	
GITIK 1C 8.2% 120.300 ①②	No procedure text published	GITIK MNM FL70
INSEK 1B 4.5% 120.300 ①②	No procedure text published	INSEK MNM FL60
NELEP 1B 120.300 ①②	No procedure text published	NELEP MNM FL50
OGLEB 1B 120.300 ①②	No procedure text published	OGLEB MNM FL50
RERMA 1C 120.300 ①②	No procedure text published	RERMA MNM FL50

① MAX 225KT.

② All turns shall be carried out with bank of 25°.

Effective 15-SEP-2016

08-SEP-2016

KLF-UUBC

Russian Federation Kaluga Grabtsevo

[RNAV STARs RWY 31]

6-10

RNAV STARs RWY 13

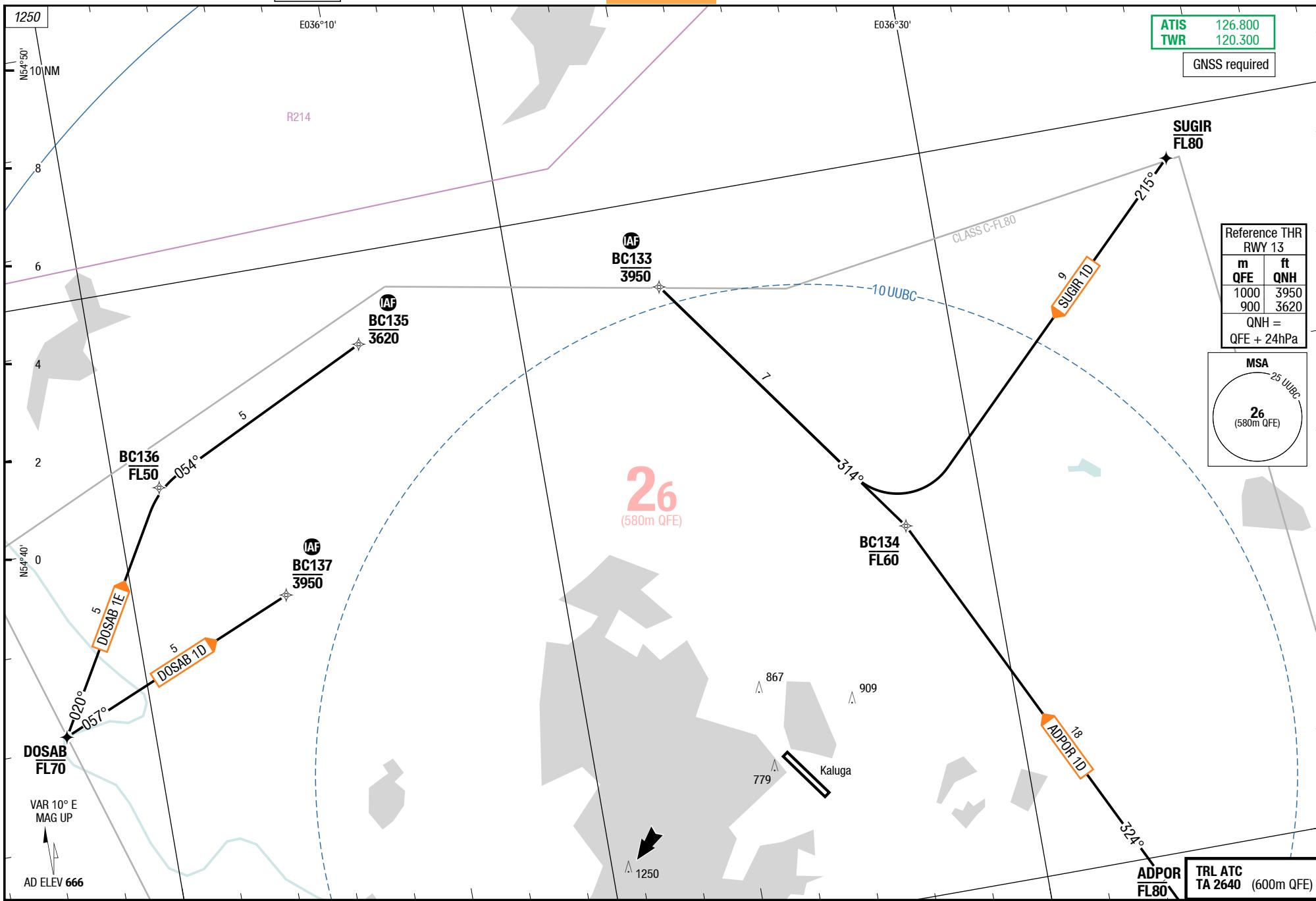
STAR

STAR

Grabtsevo Kaluga Russian Federation

[RNAV STARs RWY 31]

RNAV STARs RWY 13



Effective 15-SEP-2016
08-SEP-2016

Russian Federation Kaluga Grabtsevo

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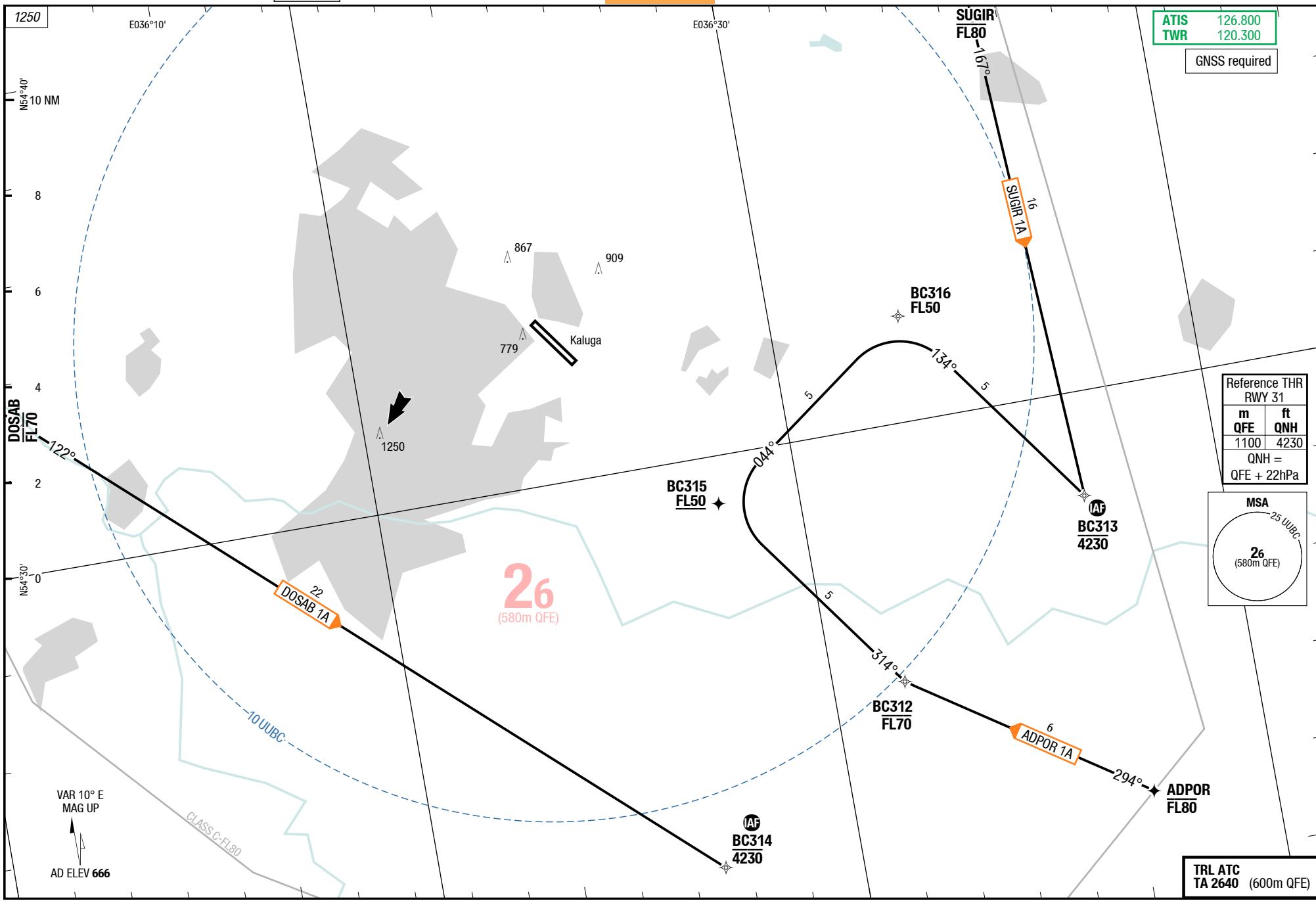
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6-20

RNAV STARs RWY 31



Effective 15-SEP-2016

08-SEP-2016

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Russian Federation Kaluga Grabtsevo

STARs RWY 31 (via FR)

6-30

STARs RWY 13 (via WI)

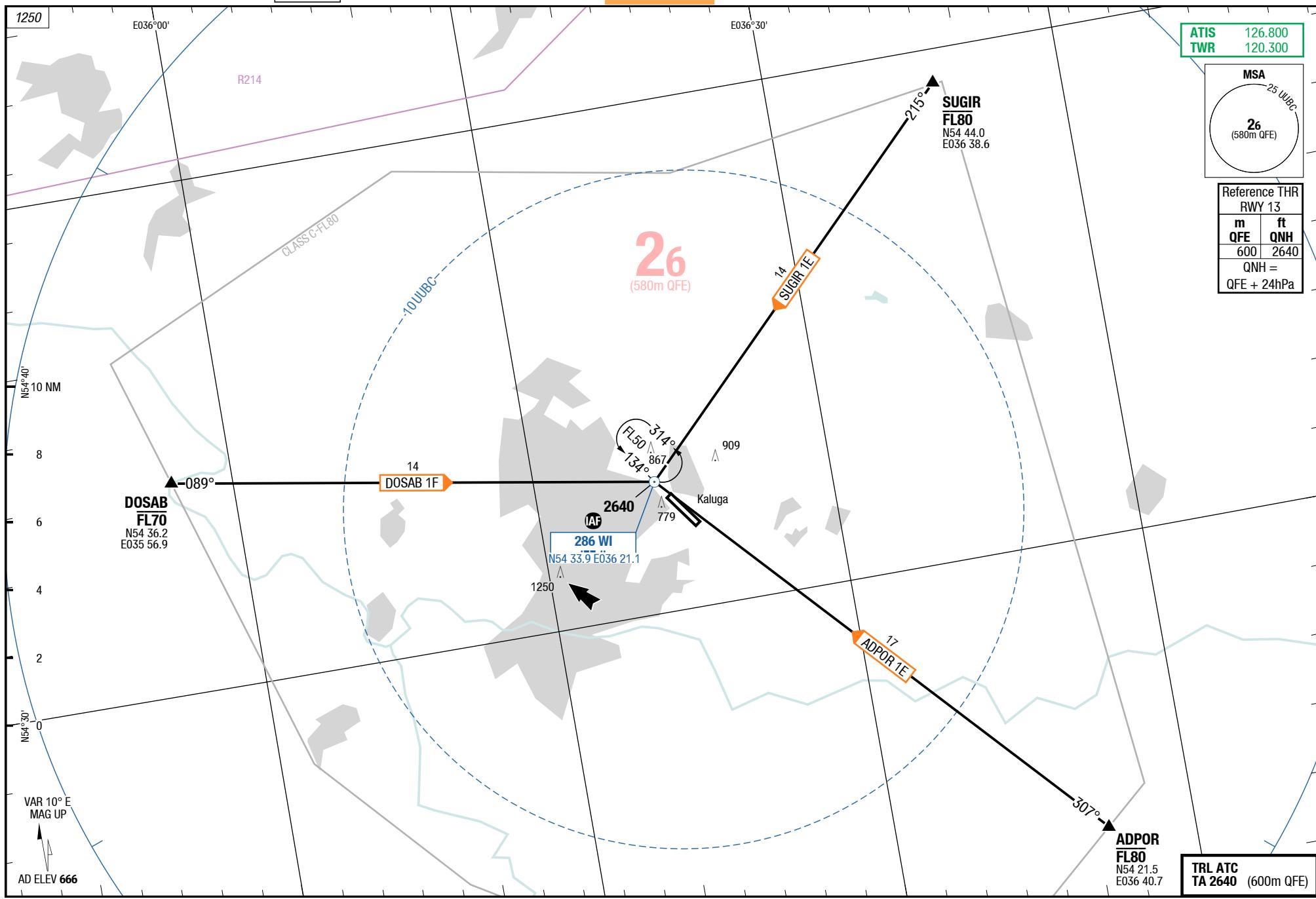
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STAR

Grabtsevo Kaluga Russian Federation

STARs RWY 31 (via FR)

STARs RWY 13 (via WI)



Effective 15-SEP-2016
08-SEP-2016

Russian Federation **Kaluga** Grabtsevo

STAR

STAR

Grabtsevo **Kaluga** Russian Federation

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5-40

STARs RWY 31 (via FR)

Effective 17-AUG-2017

10-AUG-2017

KLF-UUBC

Russian Federation **Kaluga** Grabtsevo

STAR

CTAD

Grabtsevo **Kaluga** Russian Federation

5-50

STARs VOR KLG

STARs VOR KL

ATIS 126.800
TWR 120.300

Warning
The minimum descent gradients for PROC:
DOSAB 1G: 5.3% from DOSAB
SUGIR 1F: 4.7% from SUGIR

PROCs F/G: RWY13
PROCs C: RWY 31

DME required

26 (580m QFE)

MSA 26 (580m QFE)

Reference THR RWY 13

m	ft	QFE	QNH
700	2970		
QNH = QFE + 24hPa			

Reference THR RWY 31

m	ft	QFE	QNH
600	2590		
QNH = QFE + 22hPa			

VAR 10° E MAG UP
AD ELEV 666

1250

E036°00' R214 E036°20' E036°40'

DOSAB FL70
N54 36.2 E035 56.9

(DOSAB 1C) FL70
D10.8 KLG

(AF) 2970
D9.4 KLG

(AF) 2970
D9.4 KLG

D9.4 KLG Arc

R272 KLG

R323 KLG

R304 KLG

D7.8 KLG

D9.4 KLG Arc

R343

FL50

779 Kaluga

876

909

1250

134°

ADPOR 1C

13

D7.6 KLG

R100 KLG

R125 KLG

R144 KLG

D9.4 KLG Arc

22

10 UUBC

16

ADPOR 1C

16

ADPOR 1F

307°

ADPOR FL80
N54 21.5 E036 40.7

SUGIR FL80
N54 44.0 E036 38.6

211°

CLASS C-FL80

FL70 (SUGIR 1C)
D10.8 KLG

SUGIR 1C

SUGIR 1F

12

16

134°

13

4

4

25 UUBC

25 UUBC

26 (580m QFE)

MSA 26 (580m QFE)

TRL ATC TA 2640 (600m QFE)

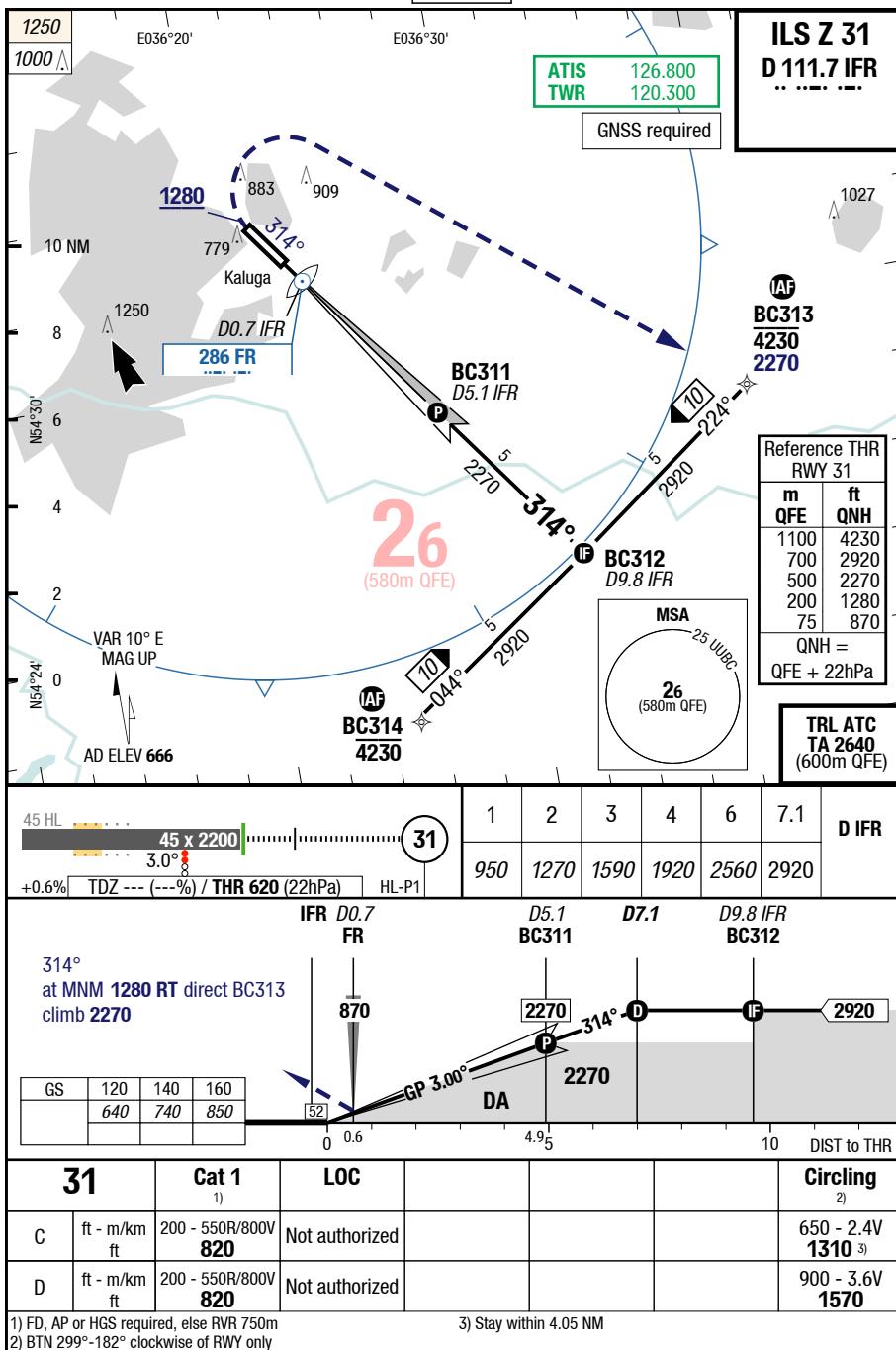
Changes: Note, OBST, Editorial

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7-10

IAC

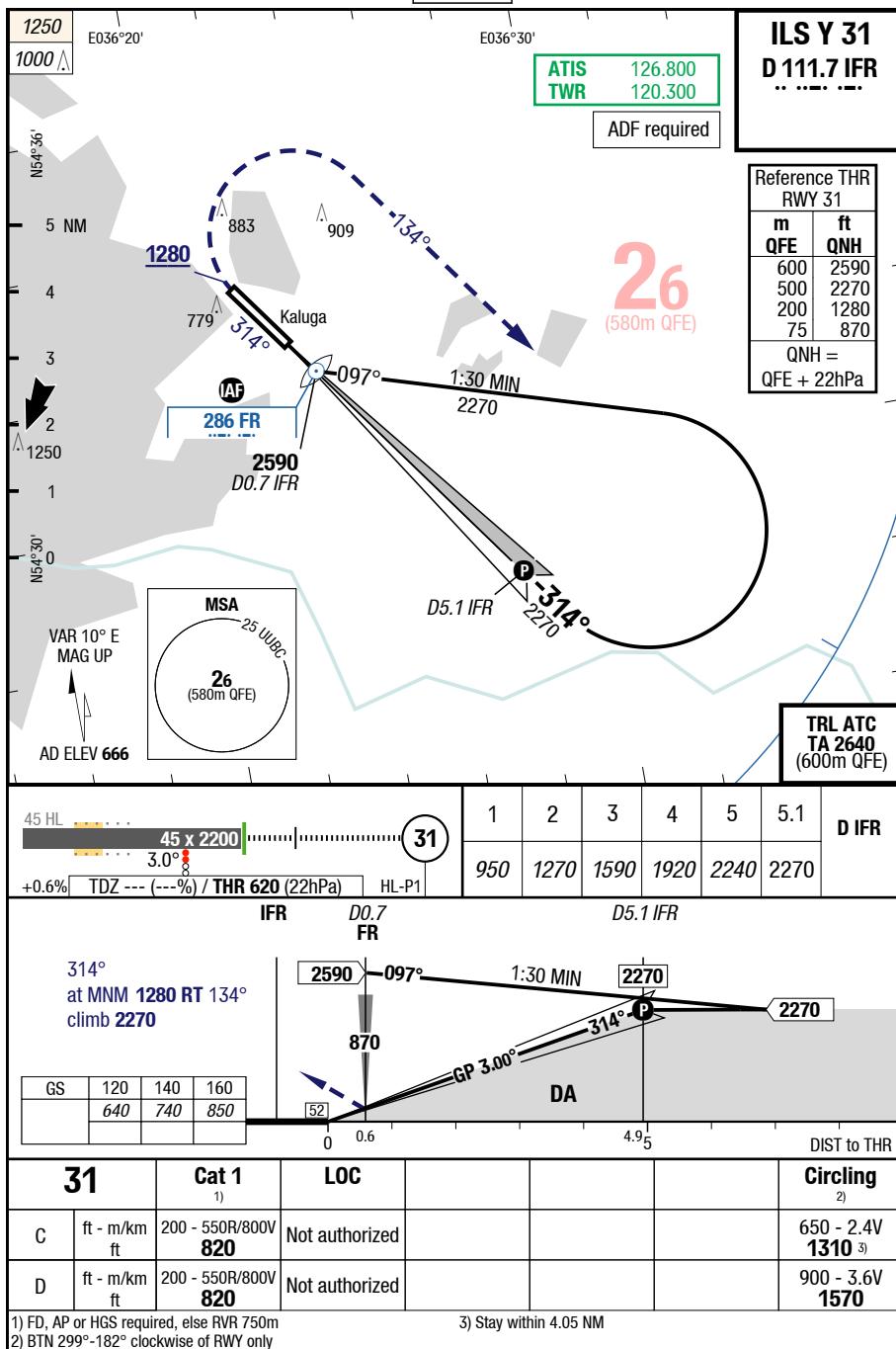
ILS Z 31



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7-20

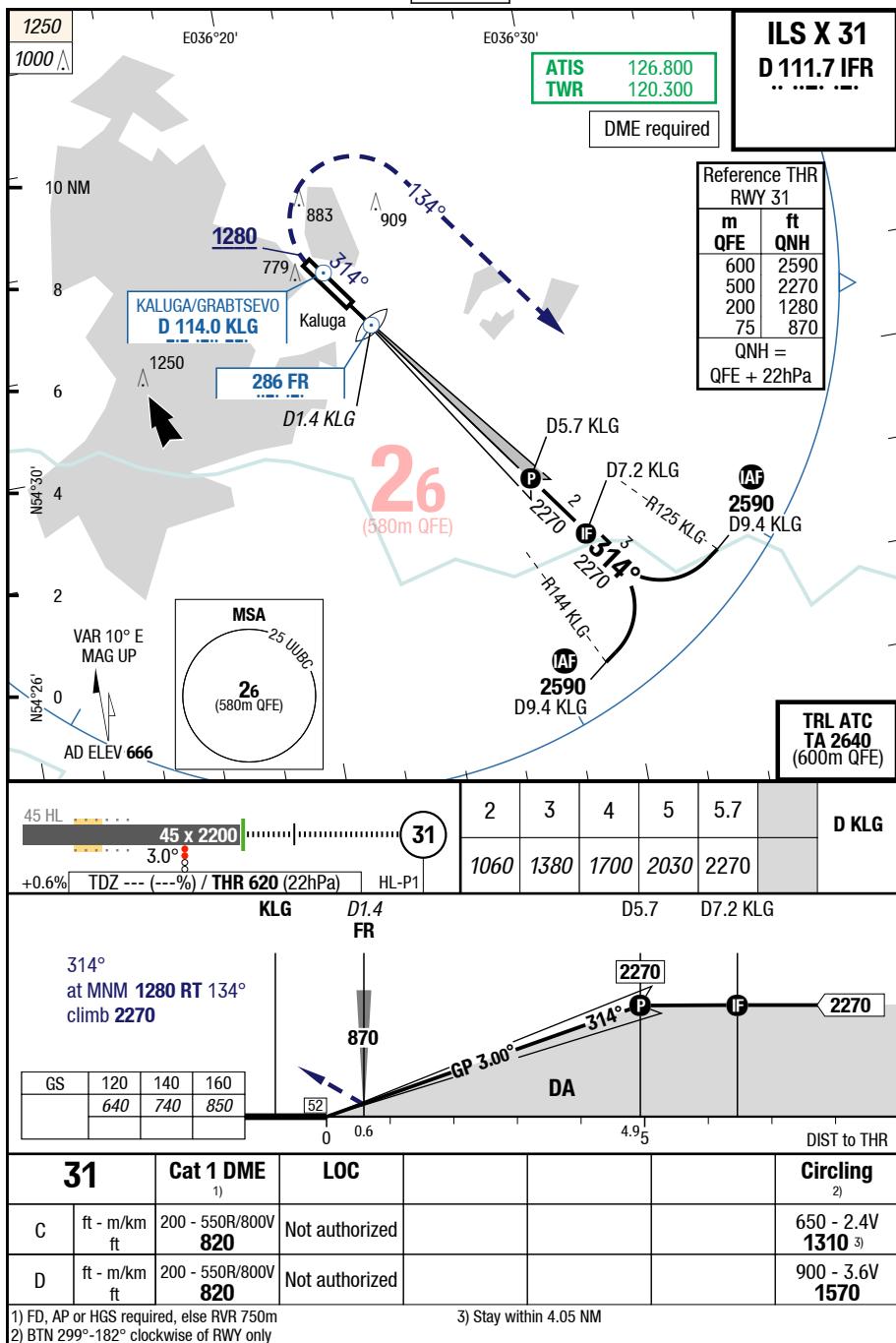
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7-30

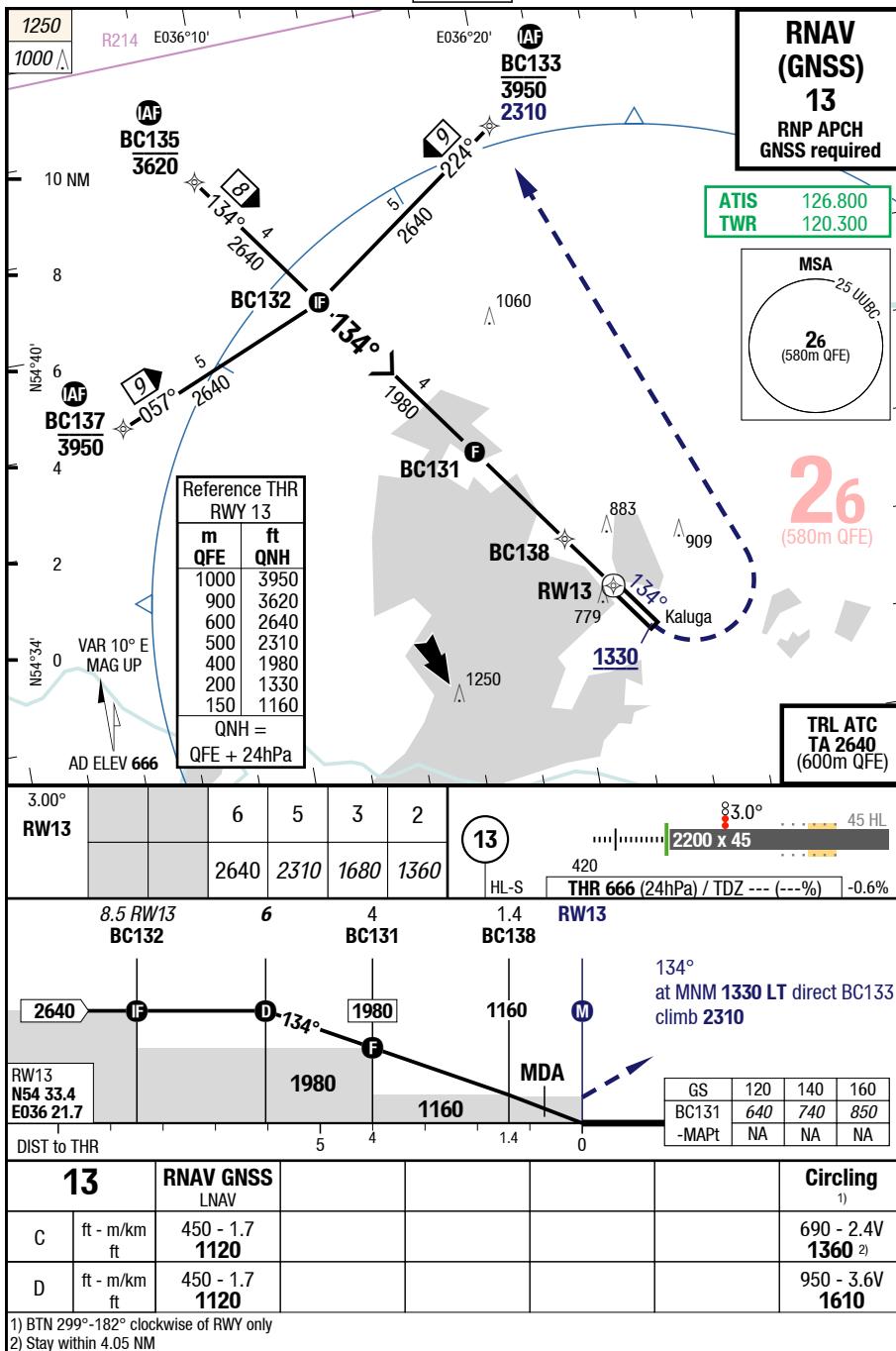
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7-50

RNAV (GNSS) 13

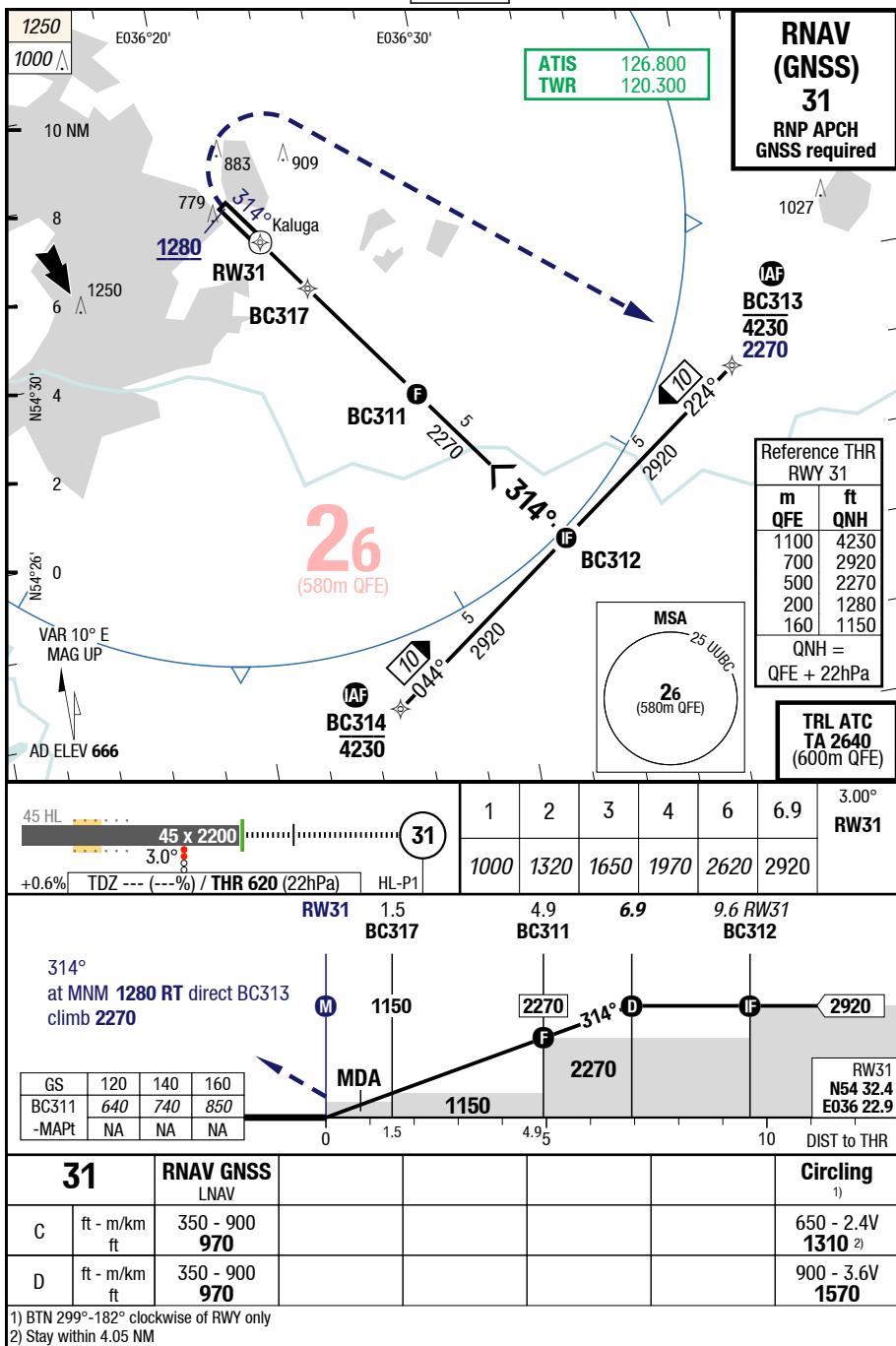


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7-60

RNAV (GNSS) 31

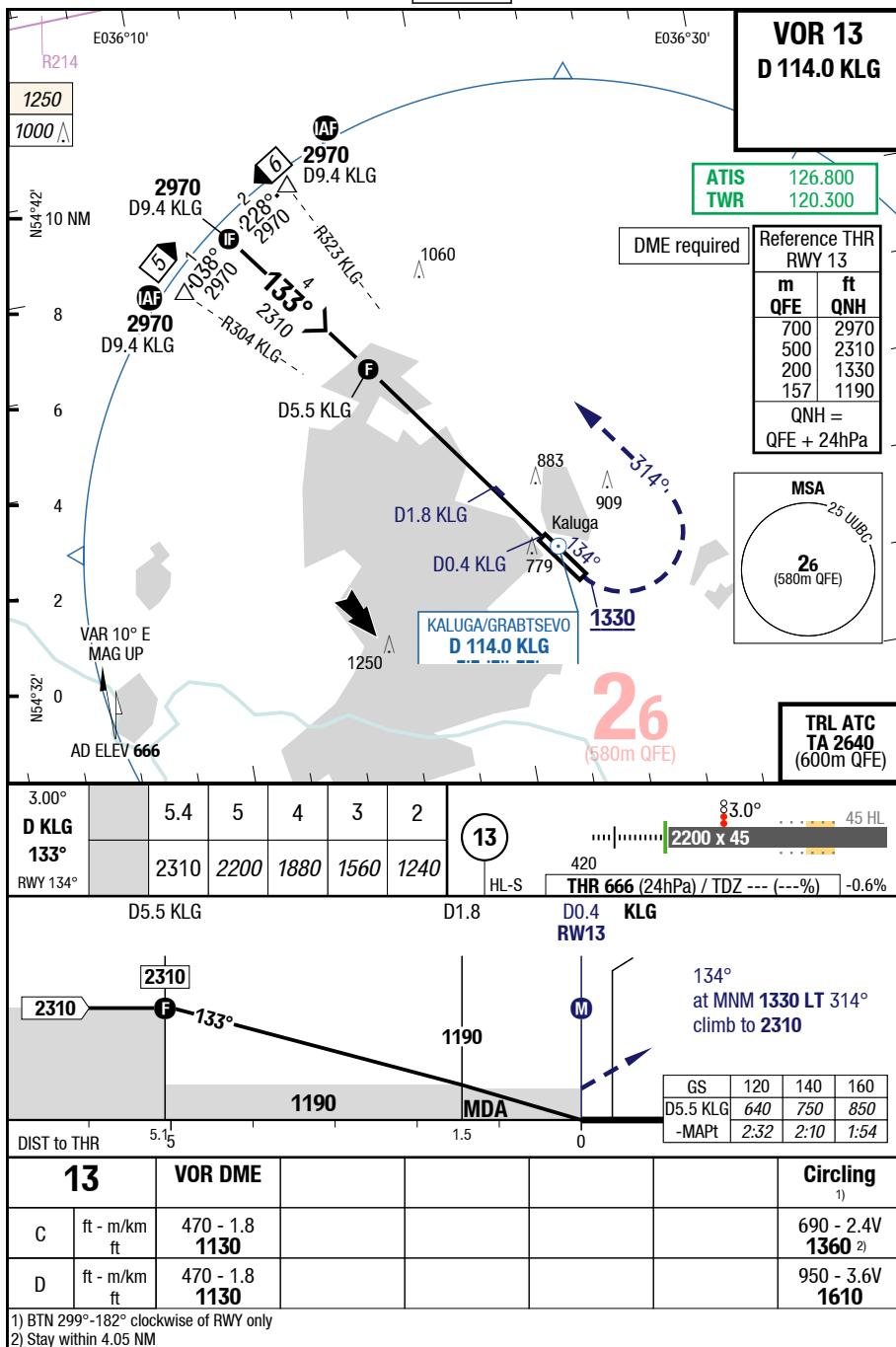
IAC



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7-70

VOR 13

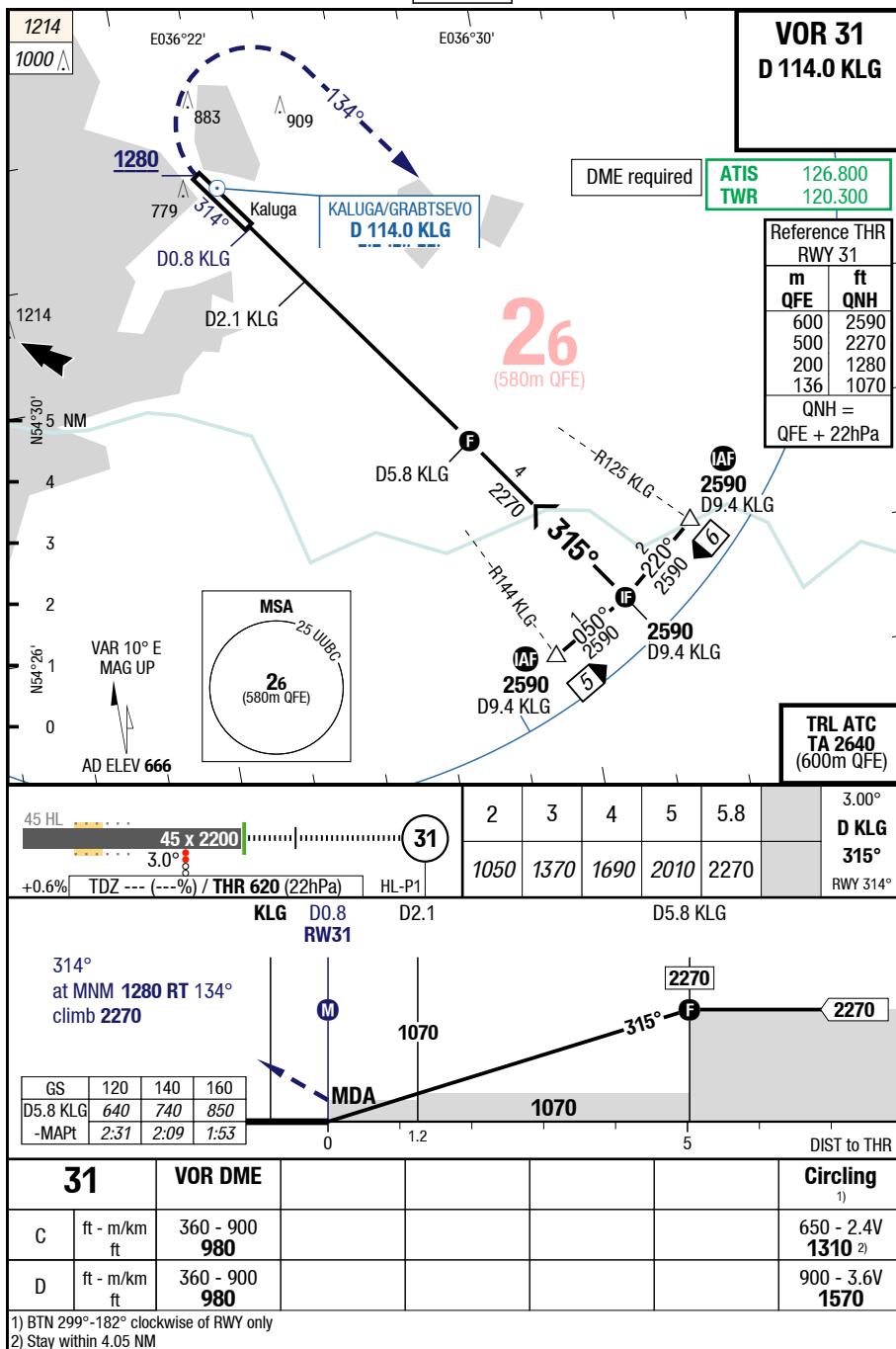


Changes: APL, chart title, Note

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7-80

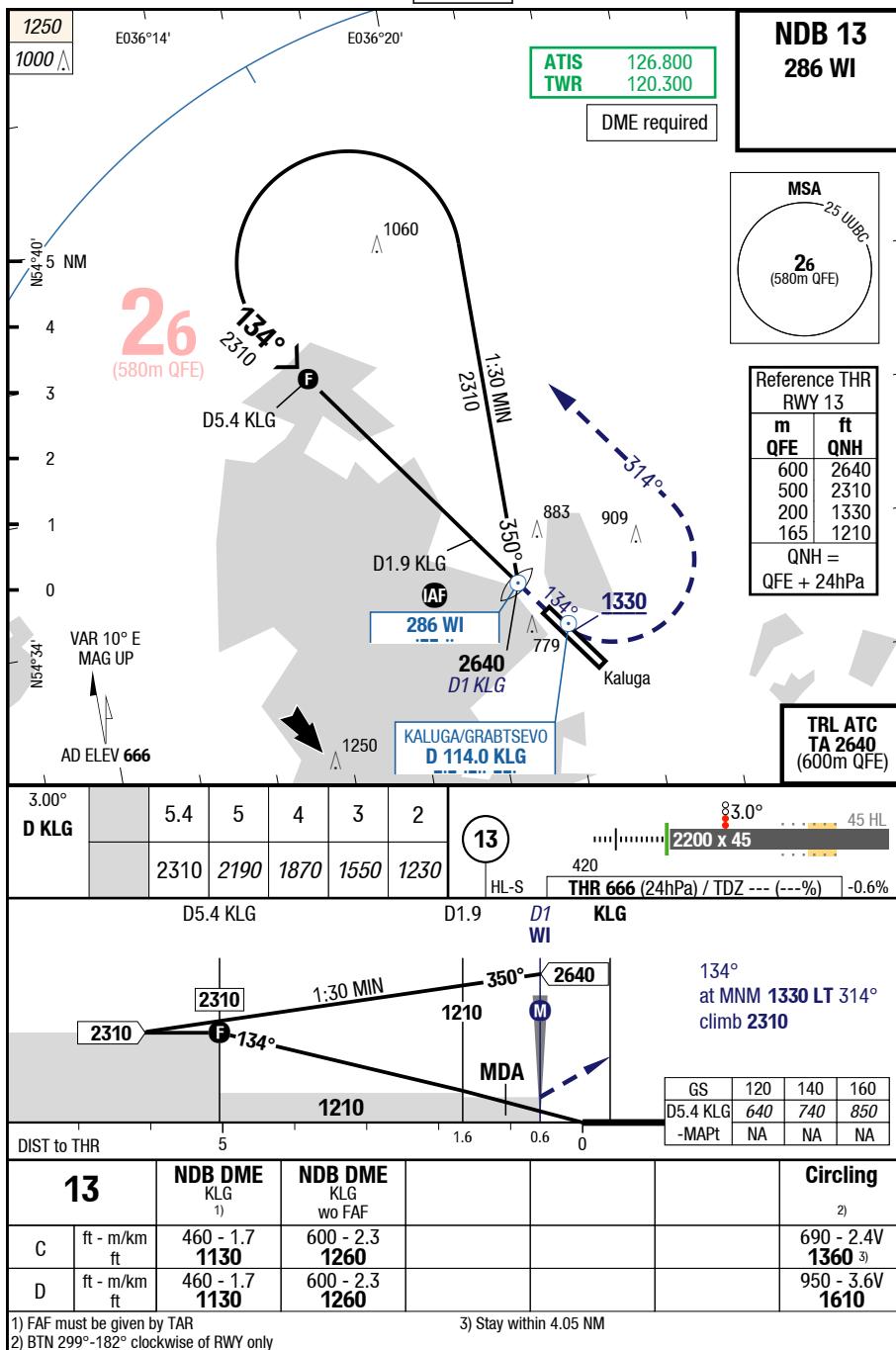
VOR 31



KLF-UUBC

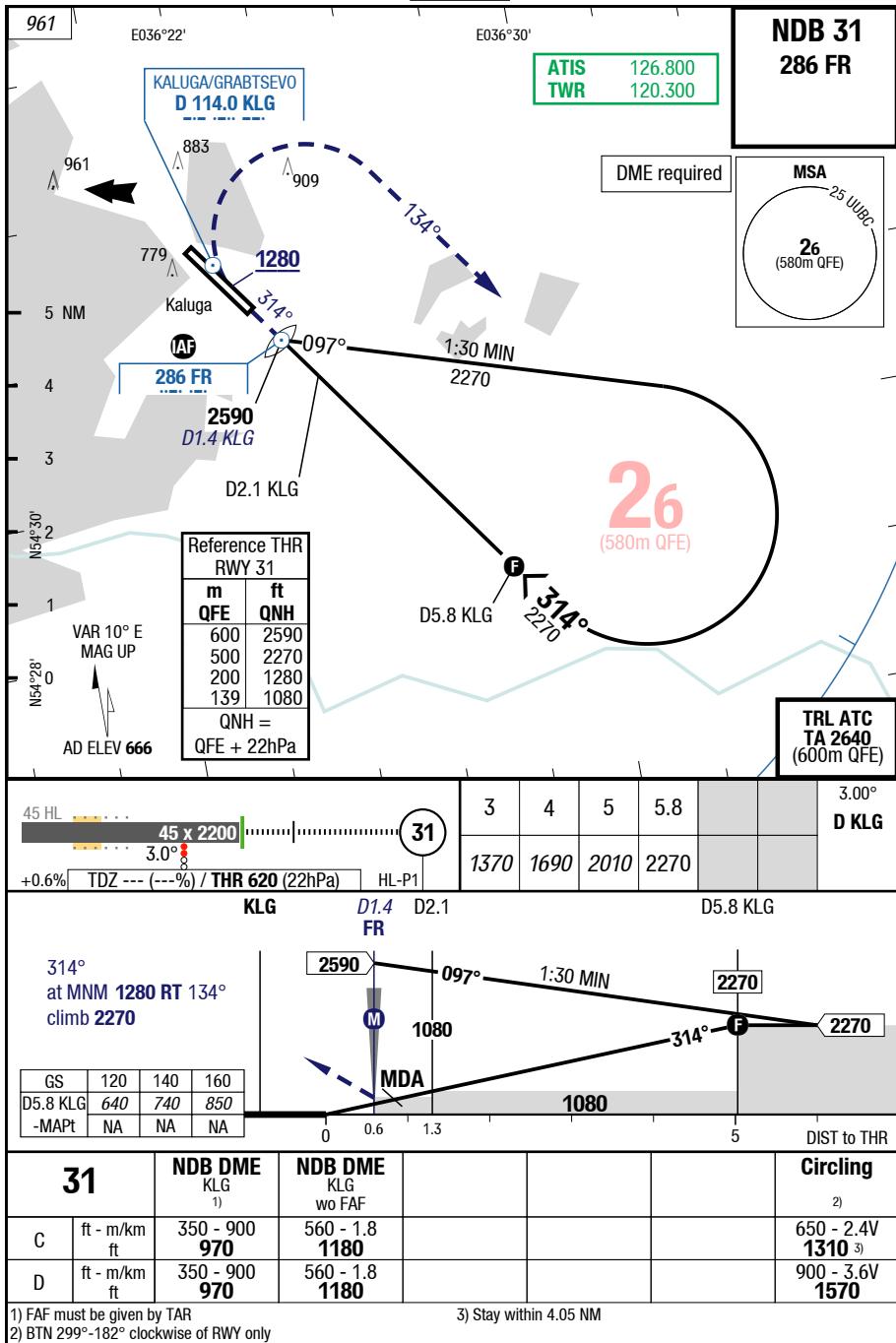
7-90

NDB 13



7-100

NDB 31



25-FEB-2016

Russian Federation **Kaluga** Graptsevo   Graptsevo **Kaluga** Russian Federation

KLF-UUBC

8-10

MRC

MRC

MRC
Grant
NIL
MIN

Grabtsevo **Kaluga** Russian Federation

