

GENERAL**Operational Hours****ATS Hours / AD ADMIN Hours:** H24**Airport Information****RFF:** CAT 9**PCN:** RWY 13R/31L: 66/R/A/W/T**Operation****TWY Restrictions**

TWY A, F width 18m / 59ft.

TWY D width 16m / 52ft.

TWY A AVBL up to code letter C ACFT.

TWY C, 4 ENG ACFT use inboard ENG only.

Taxi/Parking

ACFT are allowed to make 180° turn at intersection place of RWY 13L/31R and TWY E.

On RWY 13R/31L, code letter D ACFT and above are allowed to make 180° turn at RWY 13 THR and the intersection place of RWY 13L/31R and TWY E.

Taxiing from stand 1, 2, 6 is performed by towing only except for ACFT not exceeding code 3B.

Follow-me REQ via TWR:

- AVBL when VIS below 400m.
- AVBL during night time for CAT C, D, E ACFT.
- Mandatory for APN 4 and winter conditions.

ACFT with wingspan more than 51m / 167ft taxiing on RWY 31R/13L, assistance mandatory.

MAX taxiing speed 27KT.

Warnings

Do not mistake with MIL Vaziani AD 6NM SE of AD.

Expect heavy TURB with down-drafts and WS on final.

HGT maintaining during rain is difficult.

ARRIVAL**Speed**

MAX IAS 250KT within TMA below FL110.

Arrival Procedure**Visual APCH**

CLR for visual APCH will be issued only after the pilot has reported that the AD is insight.

DEPARTURE**Take-off Minima**

RWY		13R/31L	
All ACFT	ft - m/km	0 - 400R/400V	-

Speed

MAX IAS 250KT within TMA below FL110.

Departure Procedure**Departure Note**

Maintain climb gradient 5.4% or above up to FL90 when cleared to continue RWY HDG after departure from RWY 31L.

Noise Abatement Procedure: TKOF is carried out using NAP to AOM.

ATC Slot, Clearance

Contact TWR for CLR earliest 10min before ENG start.

De-Icing

TWY E equipped with de-icing pad.

Stands 100-111 equipped for de-icing treatment.

Warnings

When UGR-223, UG(R) 224 or UG(R) 225 active, climb up to FL160.

12-JUL-2018
TBS-UGTB

2-10

Georgia Tbilisi

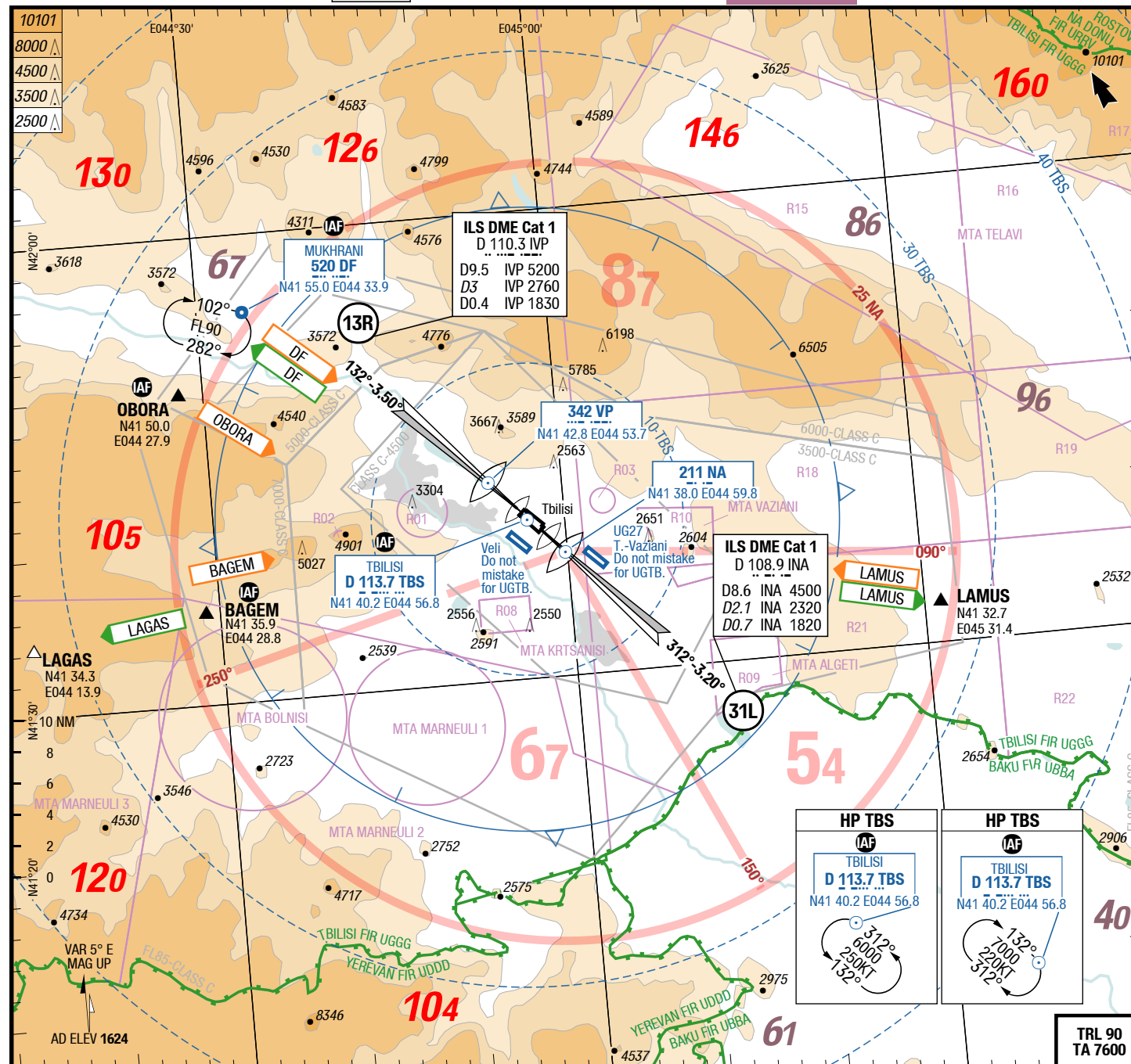
AGC
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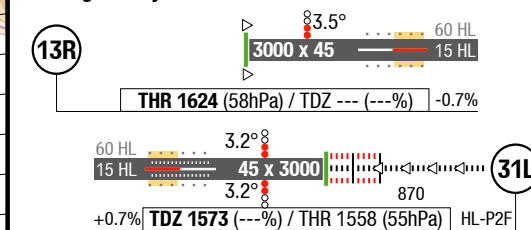
Tbilisi Georgia

AGC
AFC



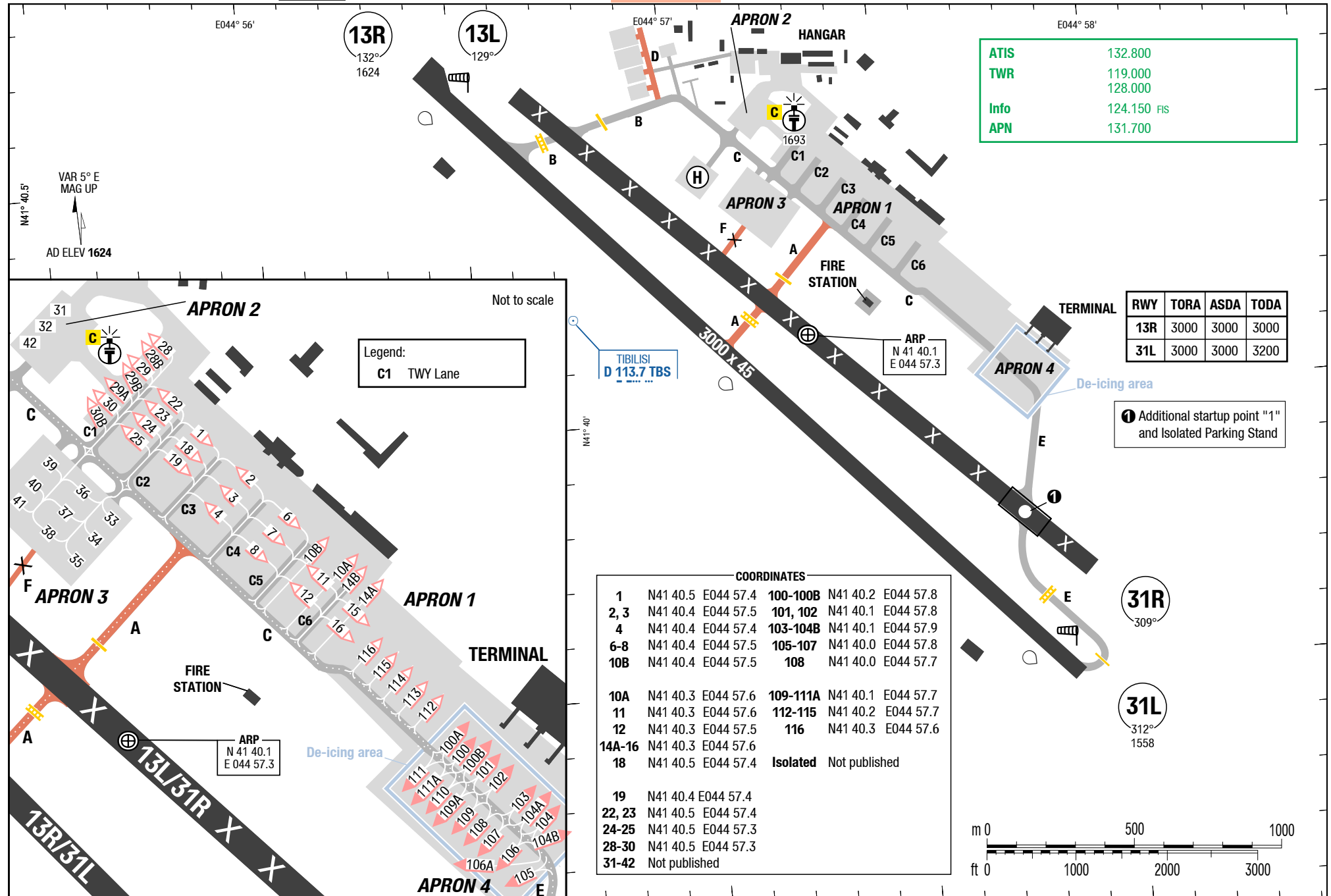
ATIS 132.800
APP 134.600
TWR 119.000
128.000
Info 124.150 FIS
APN 131.700

Landing RWY system:



Changes: APCH boxes

3-20



Effective 02-FEB-2017

26-JAN-2017

TBS-UGTB

4-10

Georgia Tbilisi

SIDs RWY 31L

SIDs RWY 13R

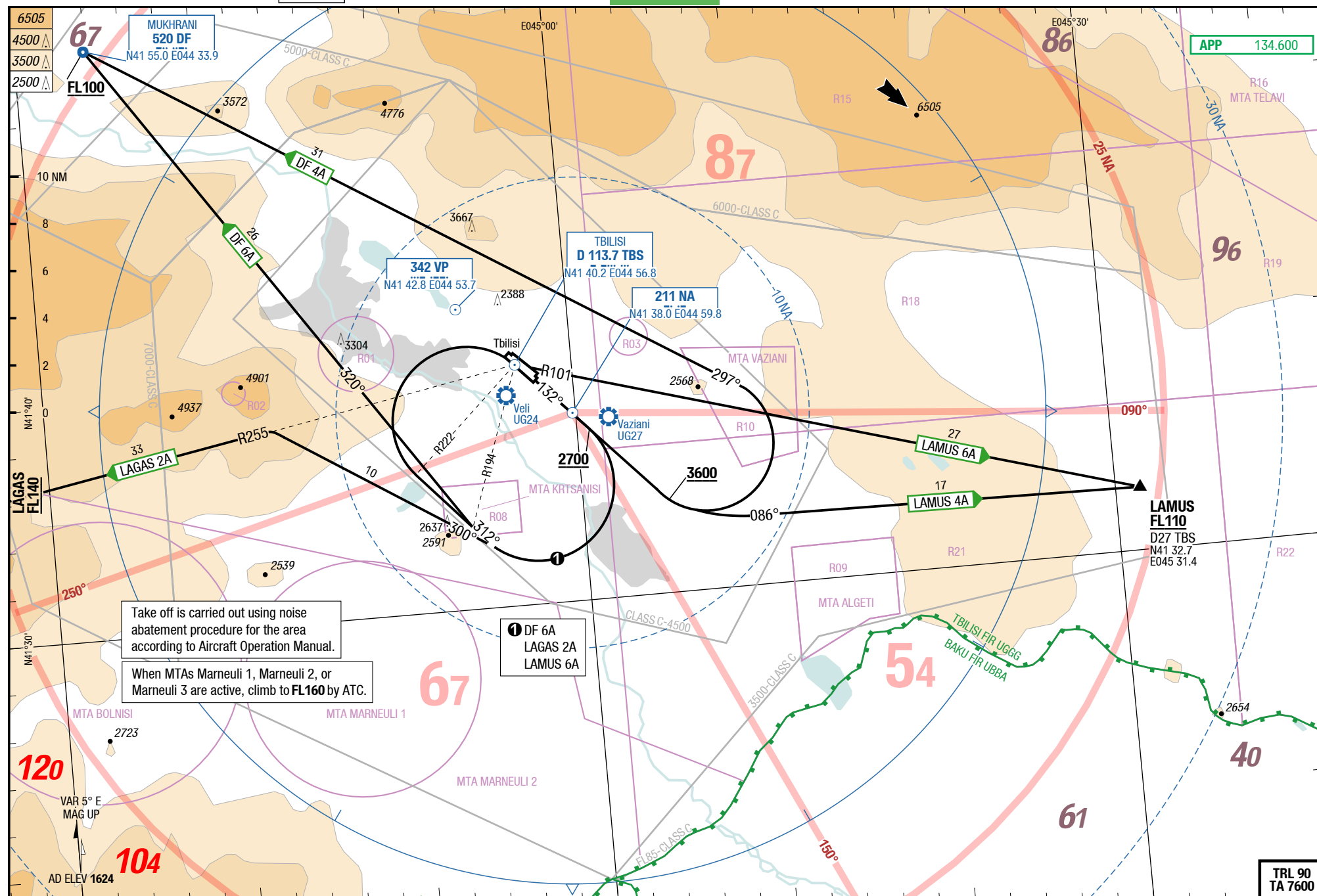
SID

SID

Tbilisi Georgia

SIDs RWY 31L

SIDs RWY 13R



Effective 02-FEB-2017

26-JAN-2017

TBS-UGTB

4-20

Georgia Tbilisi

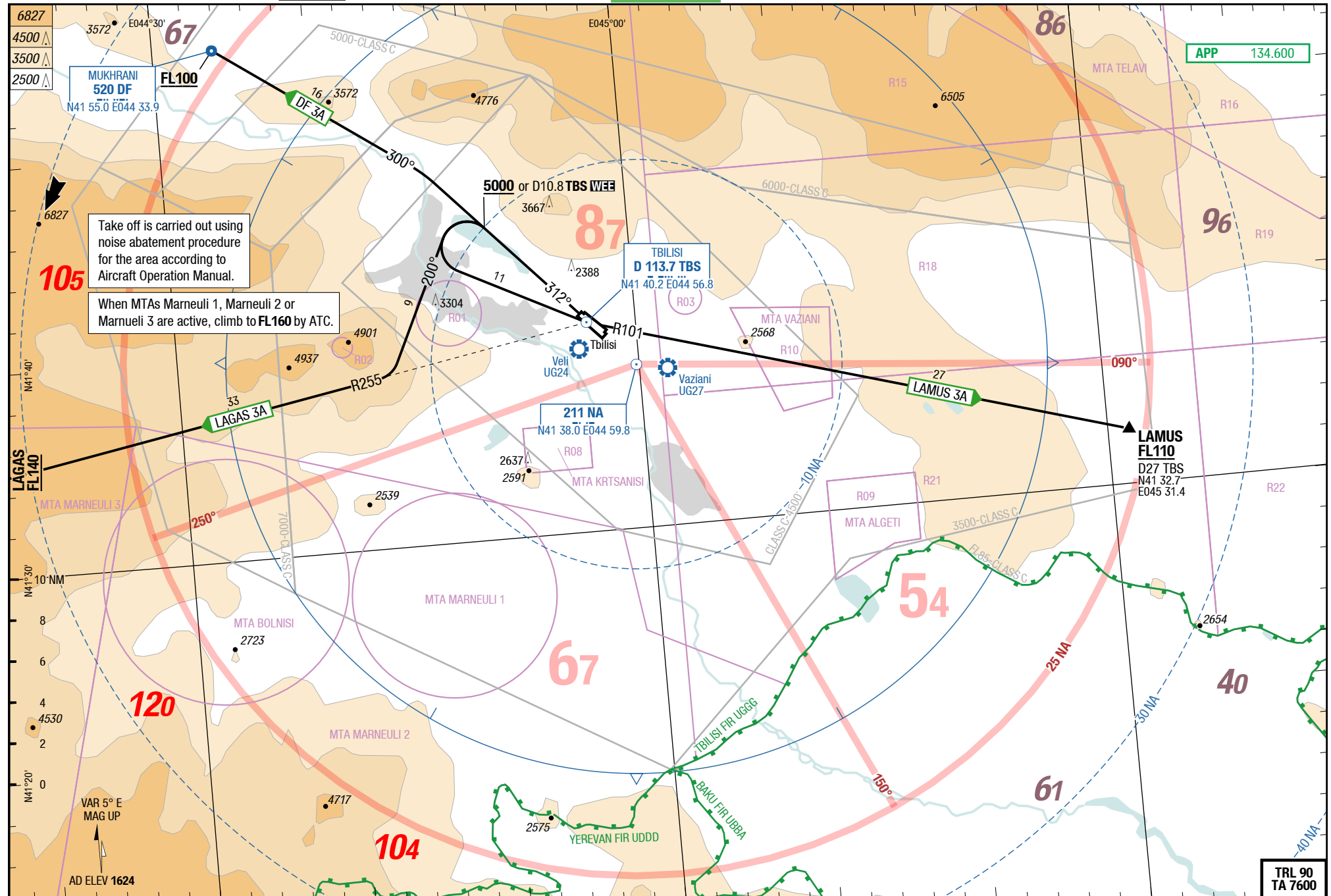
SIDs RWY 31L

SID

SID

Tbilisi Georgia

SIDs RWY 31L



Changes: ASP, SUAs, Note, OBST, TOPO, Editorial

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LAGAS 2A / LAMUS 4A / LAMUS 6A / MUKHRANI 4A / MUKHRANI 6A

RWY 13R (132°)

	GS	120	150	180	210	240	270
5.2%	ft/MIN	700	800	1000	1200	1300	1500
6.0%	ft/MIN	800	1000	1100	1300	1500	1700

DESIGNATOR	ROUTING	ALTITUDES
	Runway 13R	
LAGAS 2A 5.2% 134.600 ①	at MNM 2700 RT 300° intercept R255 TBS to LAGAS	LAGAS MNM FL140
LAMUS 4A 6.0% 134.600 ①	at MNM 3600 LT 086° to LAMUS	LAMUS MNM FL110
LAMUS 6A 134.600 ①	at MNM 2700 RT 312° - crossing R222 TBS RT to TBS - R101 TBS to LAMUS	LAMUS MNM FL110
MUKHRANI 4A DF 4A 134.600 ①	at MNM 3600 LT QDM 297 DF to DF	DF MNM FL100
MUKHRANI 6A DF 6A 134.600 ①	at MNM 2700 RT 312° - crossing R194 TBS RT QDM 320 DF to DF	DF MNM FL100

① When MTAs Marneuli 1, Marneuli 2 or Marneuli 3 are active, climb to FL160 by ATC.

LAGAS 3A / LAMUS 3A / MUKHRANI 3A

RWY 31L (312°)

	GS	120	150	180	210	240	270
5.1%	ft/MIN	700	800	1000	1100	1300	1400
5.4%	ft/MIN	700	900	1000	1200	1400	1500
6.0%	ft/MIN	800	1000	1100	1300	1500	1700

DESIGNATOR	ROUTING	ALTITUDES
	Runway 31L	
LAGAS 3A 5.4% to 5000 5.1% to FL140 134.600 ①	at MNM 5000 or D10.8 TBS, whichever is earlier, LT 200° - intercept R255 TBS to LAGAS	LAGAS MNM FL140
LAMUS 3A 5.4% to 5000 134.600 ①	at MNM 5000 or D10.8 TBS, whichever is earlier, LT to TBS - LT intercept R101 TBS to LAMUS	LAMUS MNM FL110
MUKHRANI 3A DF 3A 6.0% 134.600 ①	at MNM 5000 or D10.8 TBS, whichever is earlier, LT QDM 300 DF to DF	DF MNM FL100

① When TMAs Marneuli 1, Marneuli 2 or Marneuli 3 are active, climb to FL160 by ATC.

06-OCT-2016

TBS-UGTB

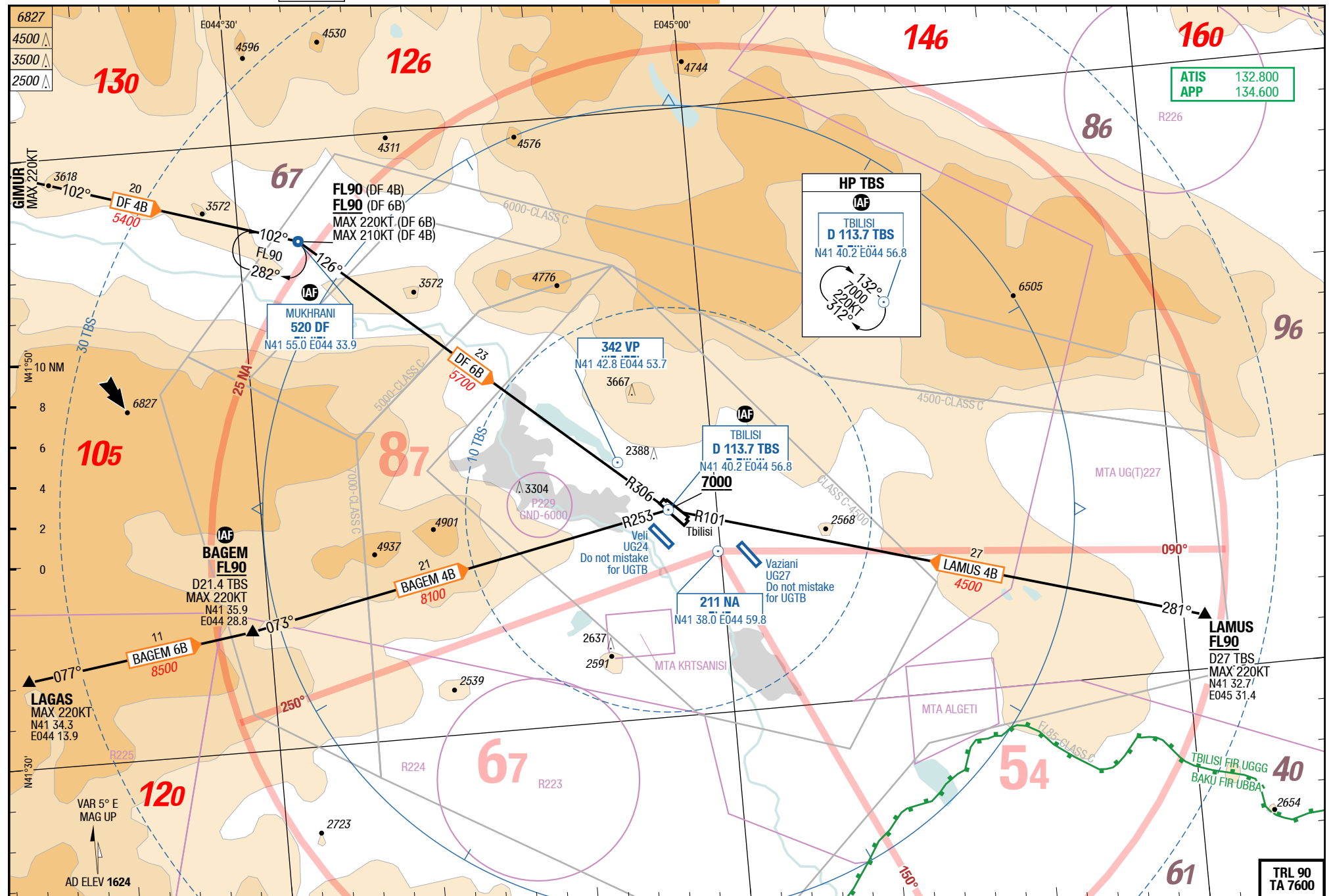
6-10

Georgia Tbilisi
STARs RWY 31L
STARs RWY 13R

STAR

STAR

Tbilisi Georgia
STARs RWY 31L
STARs RWY 13R



Changes: OBST, TOPO, Editorial

06-OCT-2016
TBS-UGTB

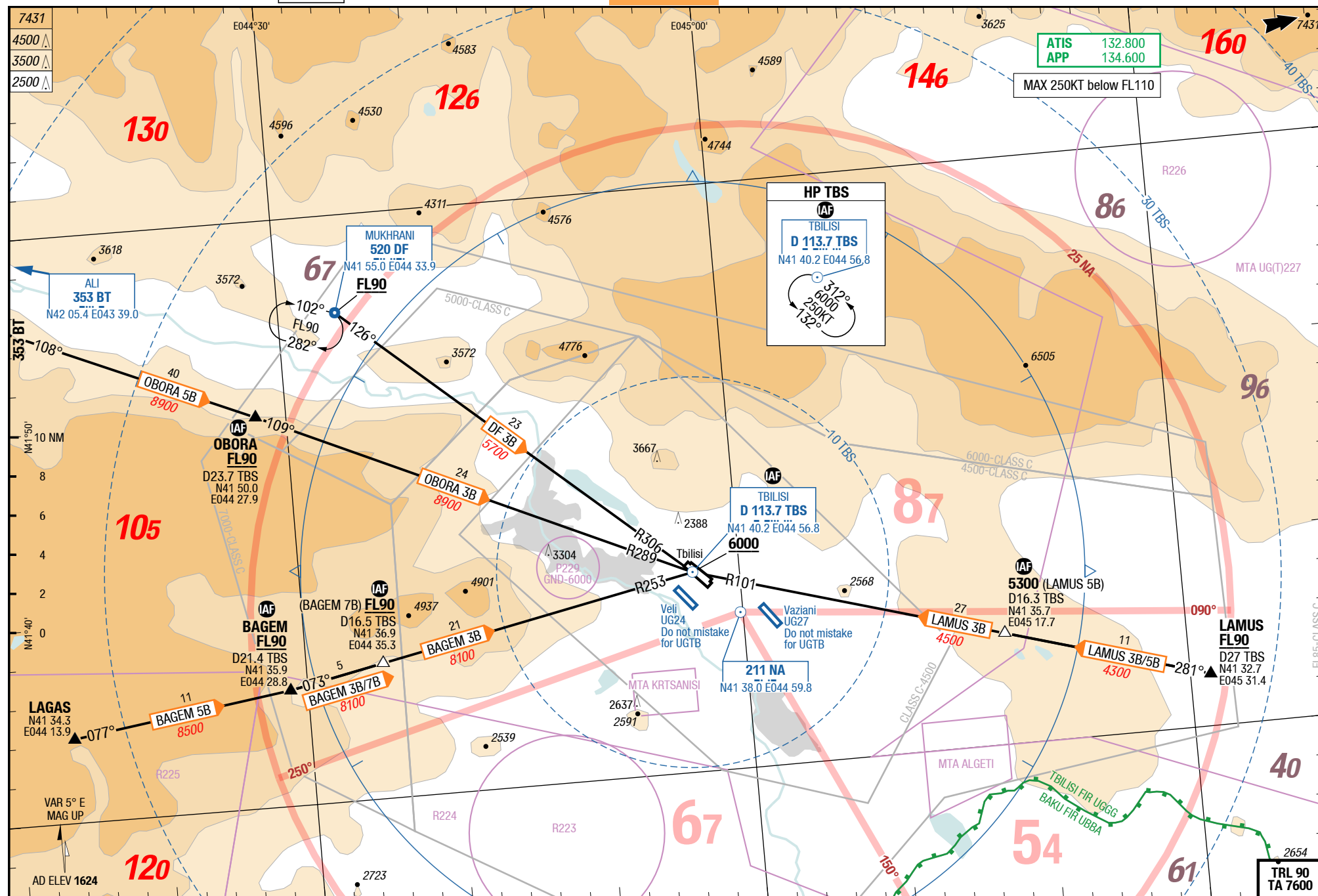
6-20

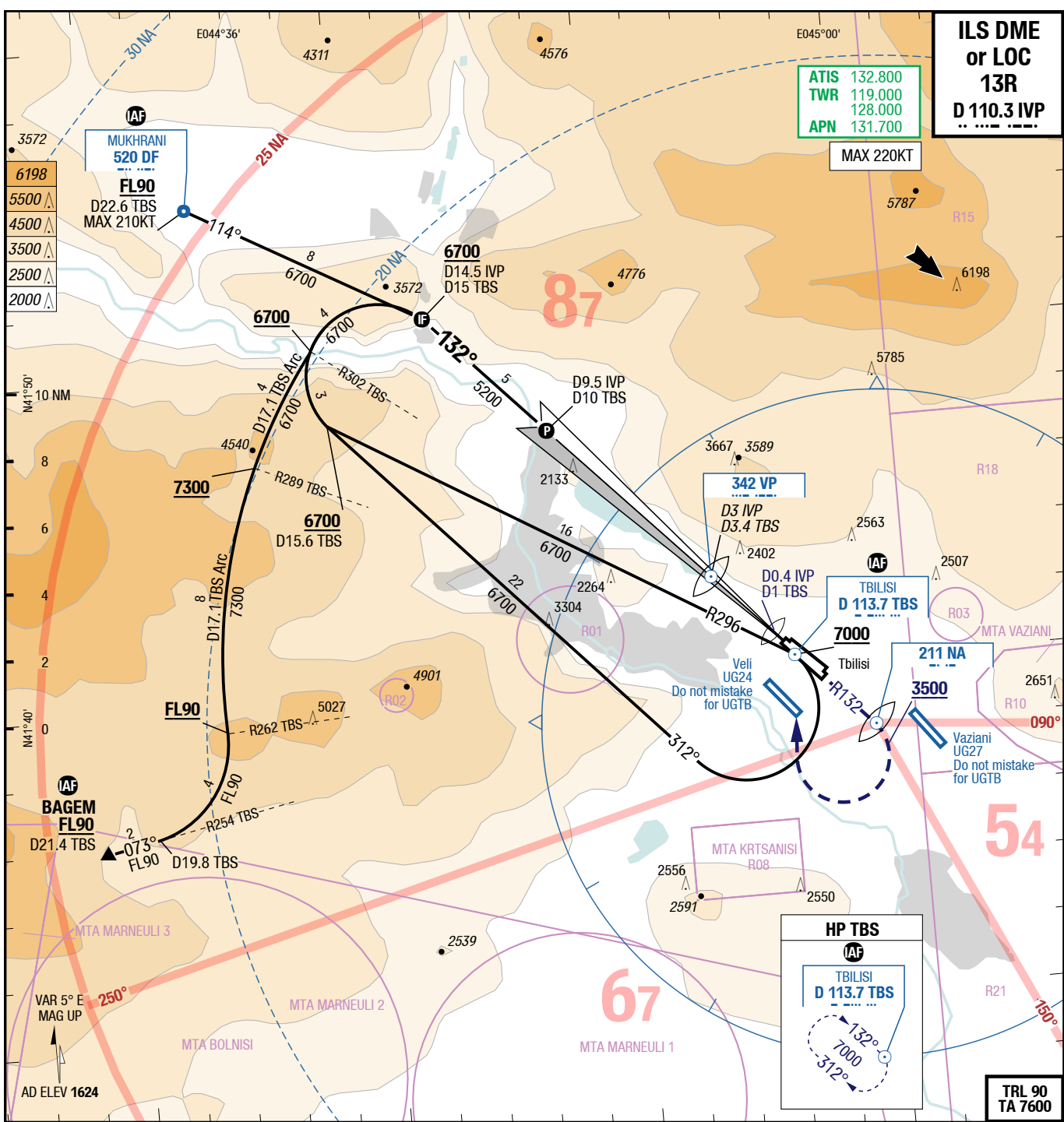
Georgia Tbilisi
STARs RWY 31L

STAR

STAR

Tbilisi Georgia
STARs RWY 31L





LOC 3.50° D IVP

13.6	12	10	8	6	4
6700	6110	5370	4630	3880	3140

13R

THR 1624 (58hPa) / TDZ --- (---%) -0.7%

D15 TBS
D14.5 IVP
D14.1
D13.6
D10
D9.5
D3.4
D3 VP
D1
D0.4
IVP
TBS

6700
IF
D
132°
5200
GP 3.50°
MDA
2760
1830
52

R132 TBS
at MNM 3500 RT to TBS
climb 7000

GS	120	140	160
D3 IVP	740	870	990
-MAPt	1:14	1:04	0:56

DIST to THR15

13R **Cat 1 DME** **LOC DME** **Circling**

C	ft - m/km ft	220 - 1.2 1840	1290 - 5.0 2920		Not published
D	ft - m/km ft	220 - 1.2 1840	1290 - 5.0 2920		Not published

12-JUL-2018
TBS-UGTB

7-20

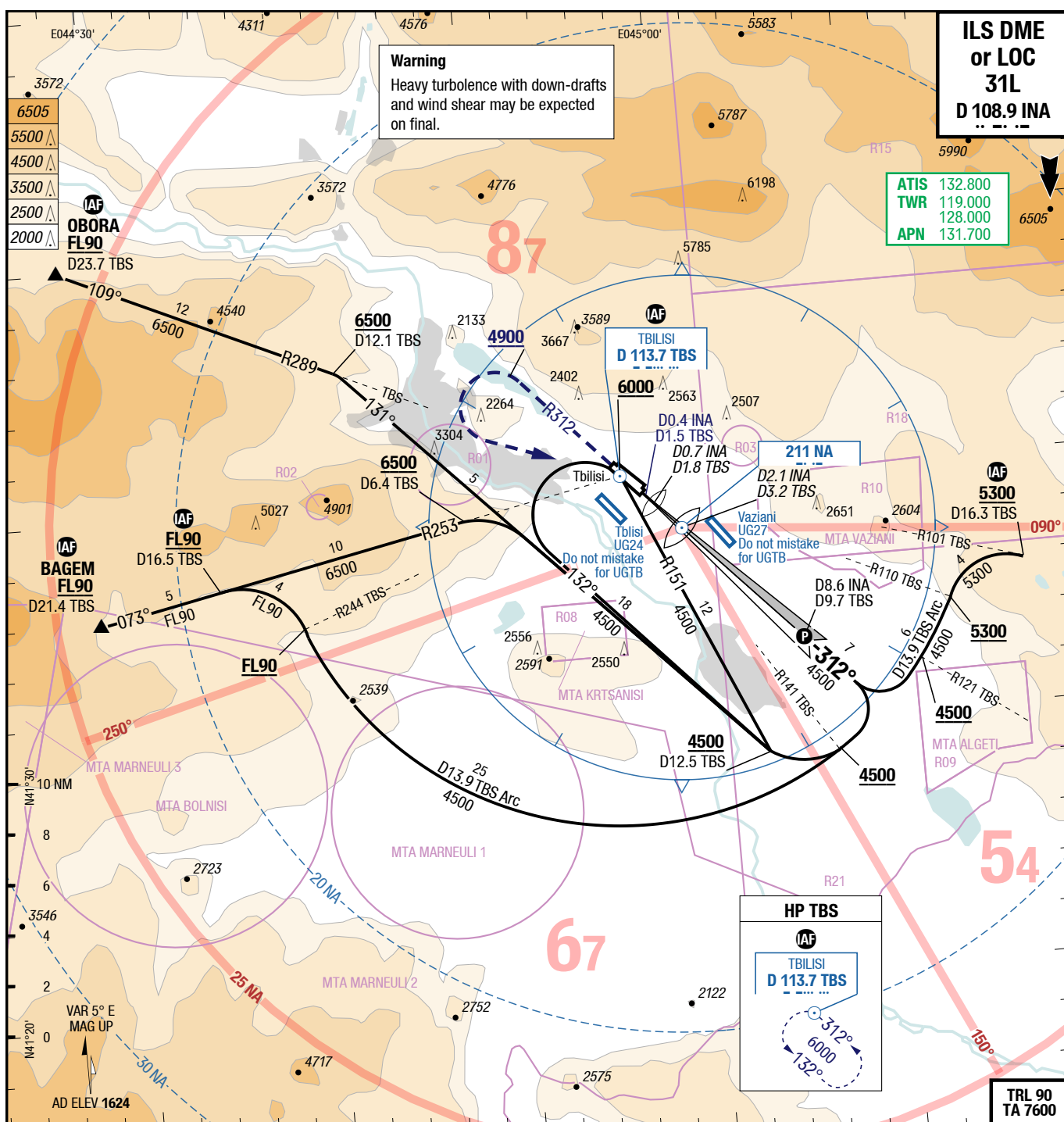
ILS DME or LOC 31L

Georgia Tbilisi

IAC

IAC

Tbilisi Georgia
ILS DME or LOC 31L



<p>60 HL 3.2° 8 45 x 3000 870</p> <p>+0.7% TDZ 1573 (---%) / THR 1558 (55hPa) HL-P2F</p>		3	4	5	6	7	8.6	LOC 3.20° D INA
		2610	2950	3290	3630	3970	4500	
<p>R312 TBS at MNM 4900 LT to TBS climb 6000</p> <p>GS 120 140 160</p> <p>D2.2 INA 680 790 910</p> <p>-MAPt 0:53 0:45 0:40</p>		<p>TBS INA D1.5 D1.8 D3.2 D0.4 D0.7 D2.1 NA D9.7 TBS D8.6 INA</p> <p>2320 1820 52</p> <p>GP 3.20° 312° 4500</p> <p>MDA</p> <p>DIST to THR</p>						
<p>31L</p> <p>Cat 1 DME GA 3.3%</p> <p>C ft - m/km ft 200 - 550 1780</p> <p>D ft - m/km ft 200 - 550 1780</p>		<p>LOC DME</p> <p>GA 3.3%</p> <p>570 - 1.9 2140</p>						<p>Circling</p> <p>Not published</p> <p>Not published</p>

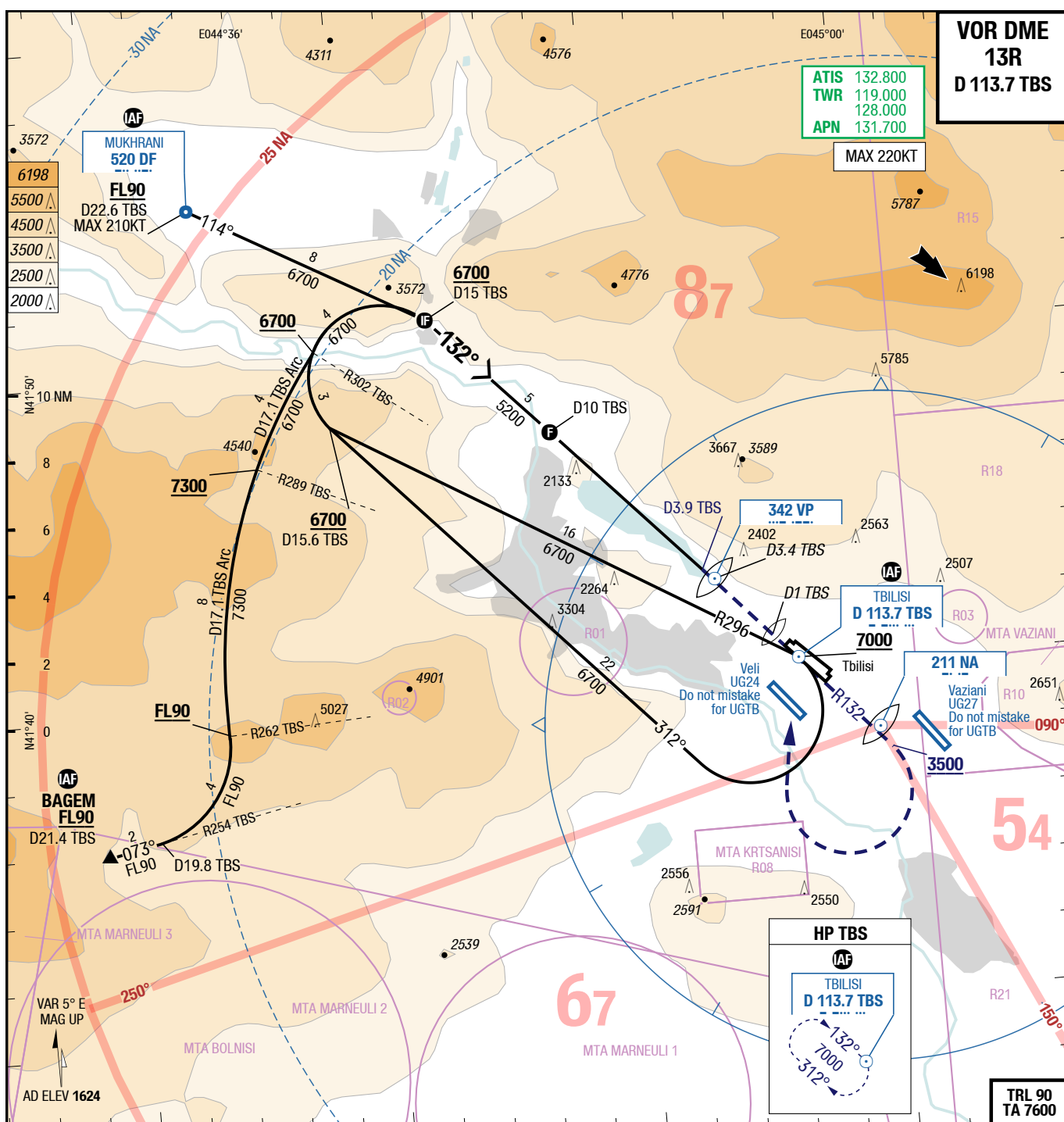


Figure 1 illustrates a 3D visualization of a flight path. The path starts at D15 TBS and ends at THR 1624 (58hPa) / TDZ --- (---%) -0.7%. The path is defined by waypoints: D15 TBS, D14.1, D10, D3.9, D3.4 VP, D1 TBS, and THR 1624. The path is shown in a 3D coordinate system with axes for distance (D15 TBS to THR 15), altitude (5200, 2760, 1830), and time (D15 TBS to THR 15). The path is labeled with '13R' and 'R132 TBS'.

Warning
Heavy turbulence with down-drafts and wind shear may be expected on final.

Altitudes:
6505
5500
4500
3500
2500
2000

Frequencies:
ATIS 132.800
TWR 119.000
APN 131.700

VOR DME 31L D 113.7 TBS

HP TBS
Tbilisi D 113.7 TBS

Other Labels:
OBORA FL90 D23.7 TBS
BAGEM FL90 D21.4 TBS
Tbilisi D 113.7 TBS
Tbilisi UG24
Vaziani UG27
Do not mistake for UGTB
MTA MARNEULI 3
MTA BOLNISI
MTA MARNEULI 1
MTA MARNEULI 2
MTA KRTSANISI
MTA ALGETI R09
R01, R02, R03, R08, R10, R15, R18, R21, R24, R25, R28, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47, R48, R49, R50, R51, R52, R53, R54, R55, R56, R57, R58, R59, R60, R61, R62, R63, R64, R65, R66, R67, R68, R69, R70, R71, R72, R73, R74, R75, R76, R77, R78, R79, R80, R81, R82, R83, R84, R85, R86, R87, R88, R89, R90, R91, R92, R93, R94, R95, R96, R97, R98, R99, R100

Scale:
0 2 4 6 8 10 NM

Compass:
VAR 5° E
MAG UP

AD ELEV 1624

TRL 90 TA 7600

3.20°
D TBS
31°
RWY 312°

4 5 6 7 8 9.7

2600 2940 3280 3620 3960 4500

60 HL 3.2°
15 HL 45 x 3000
3.2°
870
+0.7% TDZ 1573 (---) / THR 1558 (55hPa) HL-P2F

TBS D1.8 D3.2 NA D9.7 TBS

R312 TBS
at MNM 4900 LT to TBS
climb 6000

GS	120	140	160
D9.7 TBS	680	790	910
-MAPt	3:13	2:46	2:25

1820 2320 4500 31° 4500

MDA

0 0.7 2.1 5 8.6 10 DIST to THR

31L		VOR DME GA 3.3% 1)					Circling
C	ft - m/km ft	770 - 2.4 2340					Not published
D	ft - m/km ft	770 - 2.4 2340					Not published

1) Timing to determine MAPt NA

Effective 06-FEB-2014

30-JAN-2014

TBS-UGTB

Georgia Tbilisi

NIL

MRC

MRC

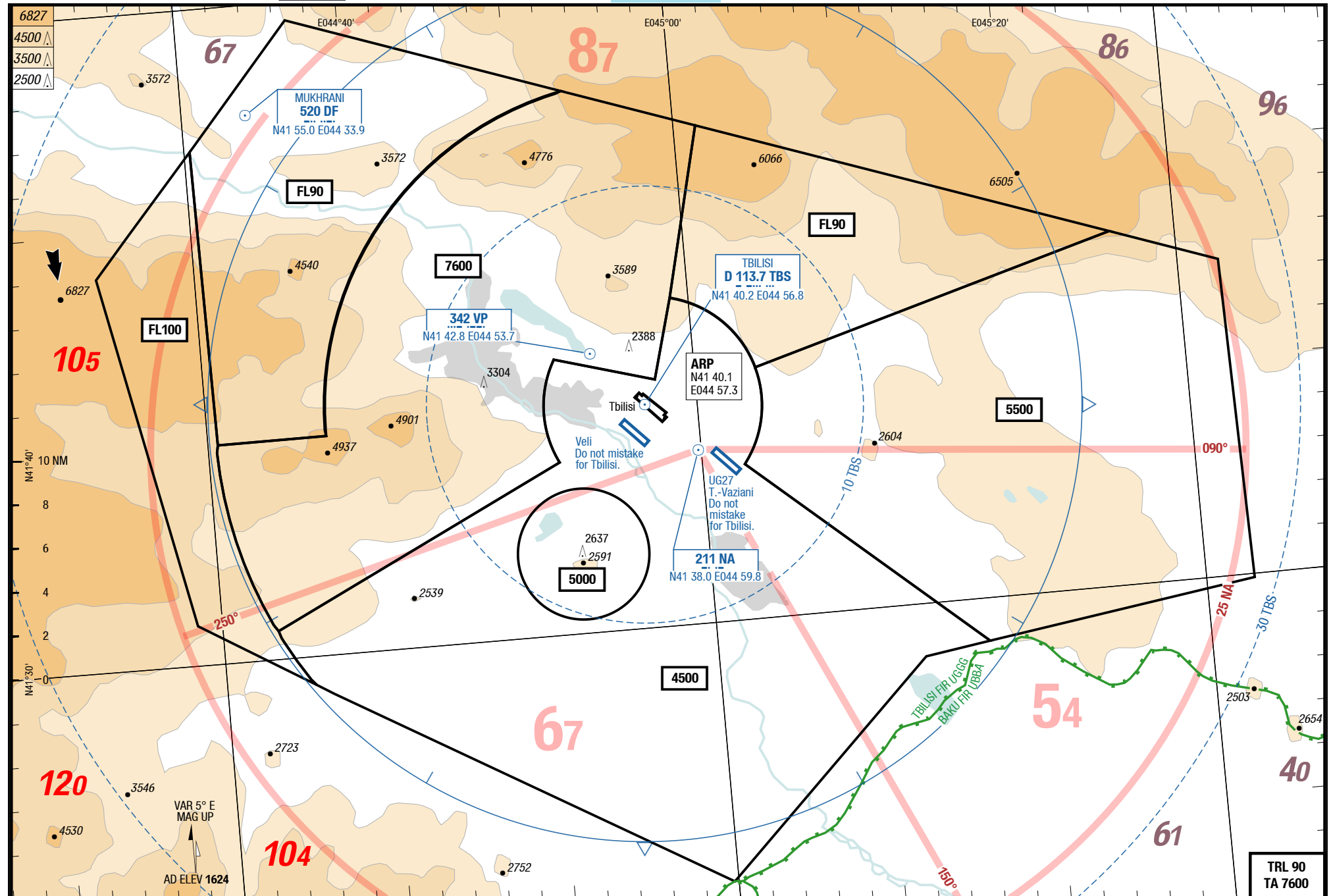
MRC

Tbilisi Georgia

NIL

MRC

8-10



Changes: RADAR SECT, FIR