

AD 2 Aerodromes**UGTB — TBILISI/TBILISI****UGTB AD 2.1 Aerodrome location indicator and name**

UGTB — TBILISI/TBILISI

UGTB AD 2.2 Aerodrome geographical and administrative data

1	ARP coordinates and site at AD	414009N 0445717E RWY 13L/31R centre line
2	Direction and distance from city	17 KM SE from Tbilisi
3	Elevation/Reference temperature	1624 FT/25° C
4	Geoid undulation at AD ELEV PSN	51 FT
5	MAG VAR/Annual change	5° E (1995)/NIL
6	AD Administration, address, telephone, telefax, telex, AFS	TAV URBAN GEORGIA LLC Post: TBILISI/Tbilisi Airport 0158 TBILISI GEORGIA Tel: +995322310265, +995322310267, +995322310241 Fax: +995322310322, +995322310268 Email: tbs.info@tav.aero Email: tbsramp.tower@tav.aero AFS: UGGGBFXX SITA: TBSGMXH
7	Types of traffic permitted (IFR/VFR)	IFR/VFR
8	Remarks	APRON FREQ 131.700 MHZ

UGTB AD 2.3 Operational hours

1	AD Administration	H24
2	Customs and immigration	H24
3	Health and sanitation	Health: H24 Sanitation: H24
4	AIS Briefing Office	H24
5	ATS Reporting Office (ARO)	H24
6	MET Briefing Office	H24
7	ATS	H24
8	Fuelling	LLC GEORGIAN AIRWAYS: H24 LLC GEORGIAN PETROLEUM: H24 LLC PETROCAS FUEL SERVICES GEORGIA: H24
9	Handling	H24
10	Security	H24
11	De-icing	H24
12	Remarks	NIL

UGTB AD 2.4 Handling services and facilities

1	Cargo-handling facilities	All modern facilities handling weights up to 5 tons
2	Fuel/oil types	LLC GEORGIAN AIRWAYS Kerosene TS-1; LLC GEORGIAN PETROLEUM Kerosene TS-1; LLC PETROCAS FUEL SERVICES GEORGIA Kerosene TS-1, Jet A-1
3	Fuelling facilities/capacity	LLC GEORGIAN PETROLEUM Fuel Storage - 2800 m ³ ; 3 Refueling Trucks (26500; 26500 and 21000 litres), Max flow rate: 800 - 1000 litres/minute Tel: (+995 32) 243 30 00; 243 30 03 Fax: (+995 32) 243 30 02 Email: info@airgp.ge LLC GEORGIAN AIRWAYS Fuel Storage - 3200 m ³ ; 2 Refueling Trucks (51000; 40000 litres), Max flow rate: 800 - 1000 litres/minute Tel: (+995 32) 248 55 98; (+995 77) 51 03 00; (+995 77) 93 93 95 Email: fuel@georgian-airways.com LLC PETROCAS FUEL SERVICES GEORGIA Fuel Storage - 5500 m ³ ; 3 Refueling Trucks (35000; 30000 and 19000 litres), Max flow rate: 1200 litres/minute; Hydrant System, Max flow rate: 2800 - 3000 litres/minute Tel: (+995 32) 214 02 17 Email: info@gulfaviation.ge
4	De-icing facilities	Yes
5	Hangar space for visiting aircraft	Can be requested from Airplane Technics LLC for Boeing 737 CL+NG, Airbus 318/319/320/321 and smaller aircraft
6	Repair facilities for visiting aircraft	Base and line maintenance for Boeing 737 300/400/500/600/700/800/900, Airbus 318/319/320/321 and line maintenance for helicopter Bell 505 is available on request at the hangar of Airplane Technics LLC
7	Remarks	NIL

UGTB AD 2.5 Passenger facilities

1	Hotels	Available in the city
2	Restaurants	Restaurant, cafe at AD and in the city
3	Transportation	Buses, taxis from the AD
4	Medical facilities	First medical aid at AD, hospitals in the city
5	Bank and Post Office	Banks at AD and in the city Postal Office: H24 Exchange Office: H24
6	Tourist Office	Available in the city
7	Remarks	NIL

UGTB AD 2.6 Rescue and fire fighting services

1	AD category for fire fighting	CAT 9
2	Rescue equipment	4 Fire fighting trucks, 1 Quick response vehicle, 1 Water tanker truck 20 t
3	Capability for removal of disabled aircraft	Capable to remove disabled aircraft with code C

4	Remarks	Responsible coordinator for removal of disabled aircraft: Tel: +995 577 999 124 Fax: +995 32 231 02 76 E-mail: tbs.ramp.tower@tav.aero
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UGTB AD 2.7 Seasonal availability - clearing

1	Types of clearing equipment	4 Snow Ploughs MOAZ-549 DE-224, 1 Snow Plough MAZ-5434X3 BS4000-PBA-2R, 1 Auger Wheel Scraper URAL DE-226, 1 Sand Sprinkler GAZ-53 PR-53, 1 Water Sprinkler ZIL-130 KPM-130, 1 JCB, 1 Grader, 1 Dump truck KRAZ, 1 Dump truck KAMAZ, 1 Tractor T-40, 1 Tractor Belarus MTZ892
2	Clearance priorities	1. RWY 13R/31L and the access roads to the airport Rescue Service 2. Acting TWYs and taxiing paths on the apron 3. Aircraft parking stands and vehicles paths on the aprons 4. Runway and taxiways shoulders 5. The remaining sections (areas)
3	Remarks	Information on snow clearance published from November – April in NOTAM/SNOWTAM. See also the snow plan in AD 1.2-2

UGTB AD 2.8 Aprons, taxiways and check locations/positions data

1	Apron surface and strength	Designation	Surface		Strength
		APRON 1	Concrete and asphalt		53/R/B/W/U
		APRON 3	Concrete and asphalt		12/F/B/X/T
		APRON 4	Concrete		72/R/A/W/T
2	Taxiway width, surface and strength	Designation	Width	Surface	Strength
		TWY A	18 M	Concrete and asphalt	59/R/B/W/U
		TWY B	23 M	Concrete and asphalt	65/R/B/W/U
		TWY C	23 M	Concrete and asphalt	65/R/B/W/U
		TWY D	16 M	Concrete	16/R/C/X/T
		TWY E	23 M	Concrete	65/R/A/W/U
		TWY F	18 M	Concrete and asphalt	12/F/B/X/T
3	ACL location and elevation	Location: THR RWY 13R - Elevation: 1624 FT Location: THR RWY 31L - Elevation: 1558 FT Location: Apron 4 - Elevation: 1606 FT			
4	VOR checkpoints	NIL			
5	INS checkpoints	INS: See Aircraft Parking and Ground Movement Chart			
6	Remarks	Aircraft stands 112, 113, 114, 115, 116 - Concrete - PCN 62/R/A/W/T Aircraft stands 117, 118, 119, 120, 121, 122 - Asphalt - PCN 127/F/C/X/T TWY F is closed			

UGTB AD 2.9 Surface movement guidance and control system and markings

1	Aircraft stand ID signs TWY guide lines Visual docking/parking guidance system	Sign boards at all intersections with TWY and RWY and at all holding positions. Guide lines at aprons
2	RWY and TWY markings and LGT	RWY Marking: Designation, THR, TDZ, centre line, edge line, RWY end RWY Lighting: THR, TDZ (only 31L), centre line, edge line, RWY end, THR Identification (only 13R) TWY Marking: Holding points, centre line, edge line TWY Lighting: Centre line, edge and RWY guard lights
3	Stop bars	RWY 13R/31L: Stop bars are appropriate at intermediate Holding positions
4	Remarks	NIL

UGTB AD 2.10 Aerodrome Obstacles*In Area 2*

Designator	Type	Coordinates	ELEV	HGT	Marking/LGT type, colour	Remarks
1	2	3	4	5	6	7
UGTB01	Building	413933.1N 0445739.9E	1591 FT	NIL	NIL	NIL
UGTB02	Building	414036.6N 0445618.9E	1614 FT	NIL	NIL	NIL
UGTB03	Church Shavnabada	413906.8N 0445024.3E	2714 FT	NIL	NIL	NIL
UGTB04	Mast SSR	414533.8N 0445459.4E	3584 FT	NIL	NIL	LGTD
UGTB05	Mast ACR	413959.9N 0445656.2E	1716 FT	NIL	NIL	LGTD
UGTB06	Mast MSSR	414602.6N 0445503.9E	3667 FT	NIL	NIL	LGTD
UGTB07	Building	414126.8N 0445639.4E	1844 FT	NIL	NIL	NIL
UGTB08	Building	414120.6N 0445755.5E	1834 FT	NIL	NIL	NIL
UGTB09	Monument	414130.3N 0445709.9E	2044 FT	NIL	NIL	NIL
UGTB10	Antenna DVOR/DME	414013.7N 0445648.8E	1627 FT	NIL	NIL	LGTD
UGTB11	Antenna GP 31L	413932.8N 0445741.0E	1560 FT	NIL	NIL	LGT
UGTB12	Antenna GP 13R	414030.4N 0445629.6E	1611 FT	NIL	NIL	LGT
UGTB13	Hill Mta Tsmindia (antenna TV)	414144.8N 0444707.4E	3304 FT	NIL	NIL	LGT
UGTB14	Hill (mast)	413253.7N 0445714.0E	2550 FT	NIL	NIL	NIL
UGTB42	Building	414116.0N 0445725.7E	1762 FT	NIL	NIL	LGTD
UGTB43	Building	414008.2N 0445650.2E	1584 FT	NIL	Marked NIL	LGTD
UGTB44	Antenna LOM 13R	414246.3N 0445344.5E	1942 FT	NIL	Marked NIL	LGTD

In Area 3

Designator	Type	Coordinates	ELEV	HGT	Marking/LGT type, colour	Remarks
1	2	3	4	5	6	7
UGTB15	Building	414029.9N 0445725.7E	1666.0 FT	NIL	NIL	LGTD
UGTB16	Building	414026.7N 0445730.2E	1697.5 FT	NIL	NIL	LGTD
UGTB17	Light mast	414028.5N 0445725.7E	1670.6 FT	NIL	NIL	LGTD
UGTB18	Light mast	414023.7N 0445732.7E	1660.8 FT	NIL	NIL	LGTD
UGTB19	Light mast	414022.4N 0445734.4E	1642.4 FT	NIL	NIL	LGTD
UGTB20	Light mast	414019.1N 0445739.2E	1645.0 FT	NIL	NIL	LGTD
UGTB21	Light mast	414006.6N 0445754.8E	1608.6 FT	NIL	NIL	LGTD
UGTB22	Light mast	414002.7N 0445755.1E	1602.4 FT	NIL	NIL	LGTD

Designator	Type	Coordinates	ELEV	HGT	Marking/LGT type, colour	Remarks
1	2	3	4	5	6	7
UGTB23	Light mast	413959.1N 0445747.2E	1623.7 FT	NIL	NIL	LGTD
UGTB24	Light mast	413959.9N 0445746.2E	1598.4 FT	NIL	NIL	LGTD
UGTB25	Light mast	414001.0N 0445744.8E	1599.4 FT	NIL	NIL	LGTD
UGTB26	Light mast	414002.0N 0445743.2E	1625.6 FT	NIL	NIL	LGTD
UGTB27	Light mast	414003.1N 0445741.8E	1600.7 FT	NIL	NIL	LGTD
UGTB28	Light mast	414004.1N 0445740.3E	1601.7 FT	NIL	NIL	LGTD
UGTB29	Light mast	414004.7N 0445739.4E	1628.3 FT	NIL	NIL	LGTD
UGTB30	Light mast	414015.9N 0445738.7E	1641.1 FT	NIL	NIL	LGTD
UGTB31	Light mast	414014.9N 0445740.2E	1641.4 FT	NIL	NIL	LGTD
UGTB32	Light mast	414013.9N 0445741.6E	1641.4 FT	NIL	NIL	LGTD
UGTB33	Light mast	414012.9N 0445743.1E	1641.4 FT	NIL	NIL	LGTD
UGTB34	Light mast	414011.8N 0445744.5E	1641.1 FT	NIL	NIL	LGTD
UGTB35	Light mast	414005.8N 0445737.6E	1632.2 FT	NIL	NIL	LGTD
UGTB36	Light mast	414006.9N 0445736.1E	1632.2 FT	NIL	NIL	LGTD
UGTB37	Light mast	414007.9N 0445734.8E	1632.2 FT	NIL	NIL	LGTD
UGTB38	Light mast	414008.8N 0445733.5E	1632.2 FT	NIL	NIL	LGTD
UGTB39	Light mast	414009.7N 0445732.1E	1632.2 FT	NIL	NIL	LGTD
UGTB40	Light mast	414010.7N 0445730.8E	1632.2 FT	NIL	NIL	LGTD
UGTB41	Building	414033.2N 0445717.4E	1692.9 FT	NIL	NIL	LGTD

UGTB AD 2.11 Meteorological information provided

1	Associated MET Office	TBILISI
2	Hours of service MET Office outside hours	H24 —
3	Office responsible for TAF preparation Periods of validity	TBILISI 24 HR
4	Trend forecast Interval of issuance	TREND 0.5 HR
5	Briefing/consultation provided	MET staff consultation
6	Flight documentation Language(s) used	Charts, tabular form, abbreviated plain language text English

7	Charts and other information available for briefing or consultation	S, U85, U70, U50, U30, U20, P85, P70, P50, P40, P30, P20, SWH, SWM, T
8	Supplementary equipment available for providing information	SADIS
9	ATS units provided with information	Tbilisi TWR, APP, ACC, FIS
10	Additional information (limitation of service etc.)	NIL

UGTB AD 2.12 Runway physical characteristics

RWY Designations	TRUE BRG	Dimensions of RWY	Strength (PCN) and surface of RWY and SWY	THR & RWY end coordinates THR geoid undulation	THR elevation and highest elevation of TDZ of precision APP RWY
1	2	3	4	5	6
13R	136.54°	3000 M x 45 M	66/R/A/W/T Concrete and asphalt	THR: 414040.13N 0445624.39E GUND: 49.9 FT END: 413929.53N 0445753.59E	THR: 1624.0 FT TDZ: NIL
31L	316.56°			THR: 413929.53N 0445753.59E GUND: 48.3 FT END: 414040.13N 0445624.39E	THR: 1558.0 FT TDZ: 1573.0 FT
13L	133.51°	NIL	NIL	NIL	NIL
31R	313.52°			NIL	NIL

Slope of RWY-SWY	SWY dimensions	CWY dimensions	Strip dimensions	RESA dimensions	Arresting System	OFZ	Remarks
7	8	9	10	11	12	13	14
-0.70%	NIL	NIL	3120 M x 300 M	90 M x 90 M	NIL	NIL	RWY shoulders width 7.5 M
0.70%	NIL	200 M x 150 M		160 M x 100 M	NIL	Yes	RWY shoulders width 7.5 M
NIL	NIL	NIL	NIL	NIL	NIL	NIL	RWY is closed for landings and take-offs
NIL	NIL	NIL		NIL	NIL	NIL	RWY is closed for landings and take-offs

UGTB AD 2.13 Declared distances

RWY Designator	TORA	TODA	ASDA	LDA	Remarks
1	2	3	4	5	6
13R	3000 M	3000 M	3000 M	3000 M	NIL
	1600 M	1600 M	1600 M	Not applicable	FROM TWY A
	2500 M	2500 M	2500 M	Not applicable	FROM TWY B
31L	3000 M	3200 M	3000 M	3000 M	NIL
	1400 M	1600 M	1400 M	Not applicable	FROM TWY A
13L	NIL	NIL	NIL	NIL	NIL
31R	NIL	NIL	NIL	NIL	NIL

UGTB AD 2.14 Approach and runway lighting

RWY Designator	APCH LGT type LEN INTST	RTHL colour WBAR	VASIS (MEHT) PAPI	RTZL LEN	RCLL LEN, spacing, colour, INTST	REDL LEN, spacing, colour, INTST	RENL colour, WBAR	STWL LEN, colour	Remarks
1	2	3	4	5	6	7	8	9	10
13R	SALS 420 M LIH	Green	PAPI Left/3.5° (60 FT)	NIL	3000 M 15 M White; FM 2100 M - 2700 M W/R; FM 2700 M Red; LIH	3000 M 60 M White FM 2400 M Yellow LIH	Red	NIL	RWY THR Identification LGT available
31L	PALSF-II 870 M LIH	Green	PAPI Both sides/3.2° (62 FT)	900 M	3000 M 15 M White; FM 2100 M - 2700 M W/R; FM 2700 M Red; LIH	3000 M 60 M White FM 2400 M Yellow LIH	Red	NIL	Flashing LGT 570 M available
31R	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
13L	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

UGTB AD 2.15 Other lighting and secondary power supply

1	ABN/IBN location, characteristics and hours of operation	ABN: At Tower Building, rotating light beacon, RPM 12, code W / G, SS-SR IBN: NIL
2	LDI location and LGT Anemometer location and LGT	NIL Anemometer: 425 M from THR 31L; 314 M from THR 13R; lighted
3	TWY edge and centre line lighting	Edge and centre line LGT: TWY A, B, C, E
4	Secondary power supply/switch-over time	Secondary power supply to all lighting at AD. Switch-over time: 1 SEC
5	Remarks	RWY 31L/13R Guard LGT at TWY A, B, E

UGTB AD 2.16 Helicopter landing area

1	Coordinates TLOF or THR of FATO	414030.17N 0445704.01E
	Geoid undulation	51 FT
2	TLOF and/or FATO elevation	1620.0 FT
3	TLOF and FATO area dimensions, surface, strength, marking	30 M x 30 M, Concrete and asphalt, 12/F/B/X/T
4	True BRG of FATO	316.56°/136.54° Direction of TKOF zones: 317° GEO 137° GEO
5	Declared distance available	NIL
6	APP and FATO lighting	NIL
7	Remarks	NIL

UGTB AD 2.17 Air traffic services airspace

1	Designation, lateral limits, vertical limits	TBILISI CTR 415230N 0445430E 413530N 0451400E 412740N 0450720E 413000N 0445740E 414310N 0444110E 415230N 0445430E 4500 FT AMSL GND
2	Airspace classification	C
3	Call sign Languages	TBILISI TOWER English
4	Transition altitude	7600 FT MSL
5	Remarks	NIL

UGTB AD 2.18 Air traffic services communication facilities

Service designation	Call sign	Channel	SATVOICE	Logon address	Hours of operation	Remarks
1	2	3	4	5	6	7
APP	TBILISI APPROACH	134.600 MHz	NIL	NIL	H24	NIL
TWR	TBILISI TOWER	119.000 MHz 128.000 MHz	NIL	NIL	H24	Primary FREQ Secondary FREQ
FIS	TBILISI INFORMATION	124.150 MHz	NIL	NIL	H24	NIL
ATIS	TBILISI ATIS	132.800 MHz	NIL	NIL	H24	NIL

UGTB AD 2.19 Radio navigation and landing aids

Type of aid CAT of ILS/MLS (MAG VAR)	ID	Frequency	Hours of operation	Transmitting antenna coordinates	Elevation of DME transmitting antenna	Service volume radius from GBAS reference point	Remarks
1	2	3	4	5	6	7	8
DVOR/DME (5°E/1995)	TBS	113.700 MHz (CH 84X)	H24	414013.7N 0445648.8E	1700 FT	NIL	NIL
LOC 31L (5°E/1995) ILS CAT I	INA	108.900 MHz	H24	414045.3N 0445617.9E	Not applicable	NIL	NIL
GP 31L	—	329.300 MHz	H24	413932.8N 0445740.9E	Not applicable	NIL	NIL
DME 31L	INA	CH 26X	H24	413932.8N 0445740.9E	1600 FT	NIL	Omnidirectional Coverage range up to 25 NM
LOM 31L (5°E/1995)	NA	211.000 KHZ	H24	413758.8N 0445950.1E	Not applicable	NIL	NIL
OM 31L	Dashes	75.000 MHz	H24	413757.8N 0445949.6E	Not applicable	NIL	NIL
MM 31L	Dot - Dashes	75.000 MHz	H24	413902.0N 0445828.4E	Not applicable	NIL	NIL
LOC 13R ILS (5°E/1995)	IVP	110.300 MHz	H24	413926.3N 0445757.7E	Not applicable	NIL	NIL
GP 13R	—	335.000 MHz	H24	414030.4N 0445629.6E	Not applicable	NIL	NIL

Type of aid CAT of ILS/MLS (MAG VAR)	ID	Frequency	Hours of operation	Transmitting antenna coordinates	Elevation of DME transmitting antenna	Service volume radius from GBAS reference point	Remarks
1	2	3	4	5	6	7	8
DME 13R	IVP	CH 40X	H24	414030.4N 0445629.6E	1600 FT	NIL	Omnidirectional Coverage range up to 25 NM
LOM 13R (5° E/1995)	VP	342.000 KHZ	H24	414246.3N 0445344.5E	Not applicable	NIL	NIL
OM 13R	Dashes	75.000 MHZ	H24	414246.3N 0445344.5E	Not applicable	NIL	NIL
MM 13R	Dot - Dashes	75.000 MHZ	H24	414058.4N 0445601.3E	Not applicable	NIL	NIL

UGTB AD 2.20 Local aerodrome regulations

1 Airport regulations

At TBILISI/Tbilisi airport a number of local regulations apply.

At Aircraft stands aircraft major repairs (base maintenance) are prohibited.

Due to transverse slope greater than 1% complete fuelling of aircraft are restricted at the following stands: 1, 2, 3, 4, 5, 5C, 6, 7, 7C, 8, 9, 9D, 10, 10D, 11, 12, 13, 14, 15, 15C, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 25D.

Other regulations are collected in the manual which is available at the AIS Briefing Office.

2 Taxiing to and from stands

Arriving aircraft will be allocated a stand number by the TWR.

Ground services can be requested from TBILISI APRON on FREQ 131.700 MHZ.

Assistance from the "FOLLOW ME" vehicle can be:

- requested via the TWR;
- available when visibility is less than 400 M;
- available during night time for C, D and E categories aircraft.

Isolated aircraft stand is located on the TWY E and has the following coordinates: 413947.65N 0445747.13E.

Aircraft engine testing area is located on the TWY E and has the following coordinates: 413947.65N 0445747.13E. Movement to be performed by towing only.

For apron 4 assistance from the "FOLLOW ME" vehicle is required for all categories aircraft.

Departing IFR and VFR flights shall contact TWR to obtain ATC clearance before commencing taxiing. Request for ATC clearance may take place at earliest 10 minutes prior to engine start-up.

After pre-flight preparation, decision to take-off and receiving of ATC clearance for the flight, the pilot-in-command of an aircraft makes a decision whether or not to take off from the aerodrome, fly along the airway and land at the destination aerodrome, and is entirely responsible for the decision taken.

Engine start-up and taxiing shall be carried out by the pilot-in-command only after clearance from the appropriate ATC unit. Taxiing on the aerodrome maneuvering area shall be conducted in accordance with taxi procedures or as directed by the ATC unit. The pilot-in-command is responsible for meeting the norms established for taxiing with this type of aircraft.

While taxiing, the pilot-in-command shall be observing the area in front of him and take measures to avoid collisions with aircraft, motor vehicles and other obstacles. The pilot-in-command may not enter or cross any runway without clearance from the appropriate tower controller.

Taxiing from the holding position to the line-up and take-off shall be performed only after clearance from the tower controller.

The pilot-in-command shall take off within one minute after receiving the clearance from the ATC unit. If a take-off has not been carried out within the above mentioned time interval, the pilot-in-command shall request a new clearance.

TWY B, TWY C and TWY E are used for maneuvering of any type of aircraft.

Aircraft are allowed to make 180 degree turn at the intersection place of RWY 13L/31R and TWY E with coordinates 413947.65N 0445747.13E.

On RWY 13R/31L aircraft with code "D" or higher are allowed to make 180 degree turn at 13R threshold, and at the intersection place of RWY 13L/31R and TWY E.

3 Apron during winter conditions

The aircraft parking stands 100-111; 112-122 are allocated for de-icing treatment of aircraft.

4 Regulations for helicopters

Take-off and landing for all types of helicopters shall be carried out only from/to helicopter pad.

Entrance/exit to/from parking stands 26, 27, 28, and 29 shall be conducted through towing.

5 Taxiing – limitations

Taxiing from aircraft stands 1, 8 is performed by towing only except for aircraft not exceeding the type B code.

Taxiing from aircraft stand 14C is allowed at a low thrust.

TWY A is used for manoeuvring aircraft with code C or less.

The washing area for aircraft is located on the Aircraft Parking stands 105-111; 117-122.

The speed of aircraft movement on the apron and taxiways should not exceed 50 KM/ HR.

6 Removal of disabled aircraft from runway

When an aircraft is wrecked on a runway, it is the duty of the owner or user of such aircraft to have it removed as soon as possible. If a wrecked aircraft is not removed from the runway as quickly as possible by the owner or user, the aircraft will be removed by the aerodrome authority at the owner's or user's expense.

UGTB AD 2.21 Noise abatement procedures

Noise abatement procedures are published on the Standard Instrument Departure (SID) charts.

UGTB AD 2.22 Flight procedures

1 Procedures for IFR flights within Tbilisi TMA

ATS surveillance service is provided within Tbilisi TMA by Tbilisi approach (call sign "Tbilisi approach") on frequency 134.6 MHZ (or 127.2).

A radar separation minimum of 5 NM is applied between all identified aircraft within Tbilisi TMA.

All aircraft shall follow speed limit max IAS 250 KT within Tbilisi TMA bellow FL 110, unless a different speed is instructed by ATC. If unable to comply, advice ATC immediately.

Arrival and departure routes SID/STARs are established for RWY 31L/13R.

IFR flights shall maintain climb gradient 5.4 % or greater up to FL 90 when cleared to continue RWY heading after departure from RWY 31L.

Clearance for visual approach will be issued only after the pilot has reported the aerodrome insight.

Radar vectoring is not conducted for ILS/DME and VOR/DME approach for RWY13R (STARs only).

Visual departures are not allowed.

Surveillance radar approaches and precision radar approaches are not conducted.

Aircraft radar vectoring is provided in accordance with the ATC Surveillance Minimum Altitude Chart AD 2.UGTB-ATCSMAC.

ATIS service is available on frequency 132.8 MHZ.

2 Procedures for VFR flights within Tbilisi TMA

Two-way radio communication shall be maintained with the Tbilisi Approach on the FRQ 134.600 MHZ (or 127.2). Transfer of VFR flights from/to Tbilisi TMA – Tbilisi tower is conducted when passing altitude 3500 FT, over established entry/exit points shown in the Visual Approach Chart AD2.UGTB-VAC unless otherwise instructed by APP or TWR unit.

3 Procedures for VFR flights within Tbilisi CTR

Aircraft shall establish two-way radio communication with Tbilisi tower before conducting flights in Tbilisi CTR. VFR flights that intend to enter Tbilisi CTR from uncontrolled airspace shall establish communication with Tbilisi tower at least 5 minutes before entry to obtain clearance.

VFR flights within Tbilisi CTR shall be conducted at or below 3500 FT AMSL unless otherwise cleared by the TWR unit.

VFR flights shall be conducted with visual reference to the ground.

VFR flights shall enter/exit Tbilisi CTR via the entry/exit points shown on the Visual Approach Chart AD 2.UGTB-VAC, unless otherwise instructed by APP or TWR unit.

Aircraft entering/exiting Tbilisi CTR via points RINGI and URBAN must be at altitude 3500 FT or below.

Aircraft entering/exiting Tbilisi CTR via point GIGOS must be at altitude 3000 FT or below.

Aircraft entering/exiting Tbilisi CTR via point CHIVA must be at altitude 3500 FT or below, unless the aircraft is cleared for CHIVA-R-J route, in which case the altitude over CHIVA must be 2700 FT AMSL or below. The arrival and departure route CHIVA-R-J is established as depicted on the Visual Approach Chart with altitude constraints as follows: CHIVA-R max. 2700 FT AMSL, R-J max. 3700 FT AMSL. The CHIVA-R-J route is only used during daytime and in VMC conditions.

If the traffic situation requires it or the active runway is blocked, aircraft conducting VFR flights may be directed to the visual holding areas established at points N, S and GIGOS.

All VFR reporting points of Tbilisi CTR are described in the following table:

Name	Geographical coordinates	Visual reference
CHIVA	414923N 0445001E	Over the motorway bridge on the Tbilisi bypass road; north-west of Gldani Didi Lake
GIGOS	412801N 0450555E	North of Gardabani town
RINGI	413515N 0445103E	Over Lake Kumisi
URBAN	414408N 0450408E	Over the mining field; east of Saakadze settlement
R (ROMEO)	414820N 0445225E	Over the semicircular segment of the Tbilisi bypass road; 1.5 NM east of Gldani Didi Lake
J (JULIET)	414506N 0450032E	Over the junction of the Lochini and Norioskhevi rivers
N (NOVEMBER)	414205N 0450004E	North of the Lilo marketplace
S (SIERRA)	413750N 0445430E	West of Veli aerodrome on the right bank of the River Mtkvari

UGTB AD 2.23 Additional information

Intense activity of raven flocks takes place daily from 08:00 to 10:00 (local time) when birds fly from resting area (town) across the approach of RWY 31L to their feeding area, NW of the airport. Their flight height varies from 100 FT (30 M) to 165 FT (50 M) AGL. From 16:00 to 19:00 (local time) the same activity as described above takes place in reverse when the birds return to their resting area.

Because of the permanent character of the bird activity in the vicinity of the airport, pilots are informed of the fact and the estimated heights (AGL), continually by ATIS.

During the above periods pilots of aircraft are advised, where the design limitations of aircraft installations permit, to operate landing lights in flight, during take-off, approach-to-land and climb and descent procedures.

Dispersal activities include occasional playing back of distressed calls from high fidelity weather-resistant speakers, high shooting sound produced of liquid gas cannons and the visual repellents (hunter dummies) allocated near the RWY 13R/31L. Also modifications of the airport environment are under way to reduce, if not eliminate, the wildlife hazard. No landfills in the vicinity and no open waste-bins on the aerodrome. Ground and grass cover is treated properly. No farming activity in the vicinity.

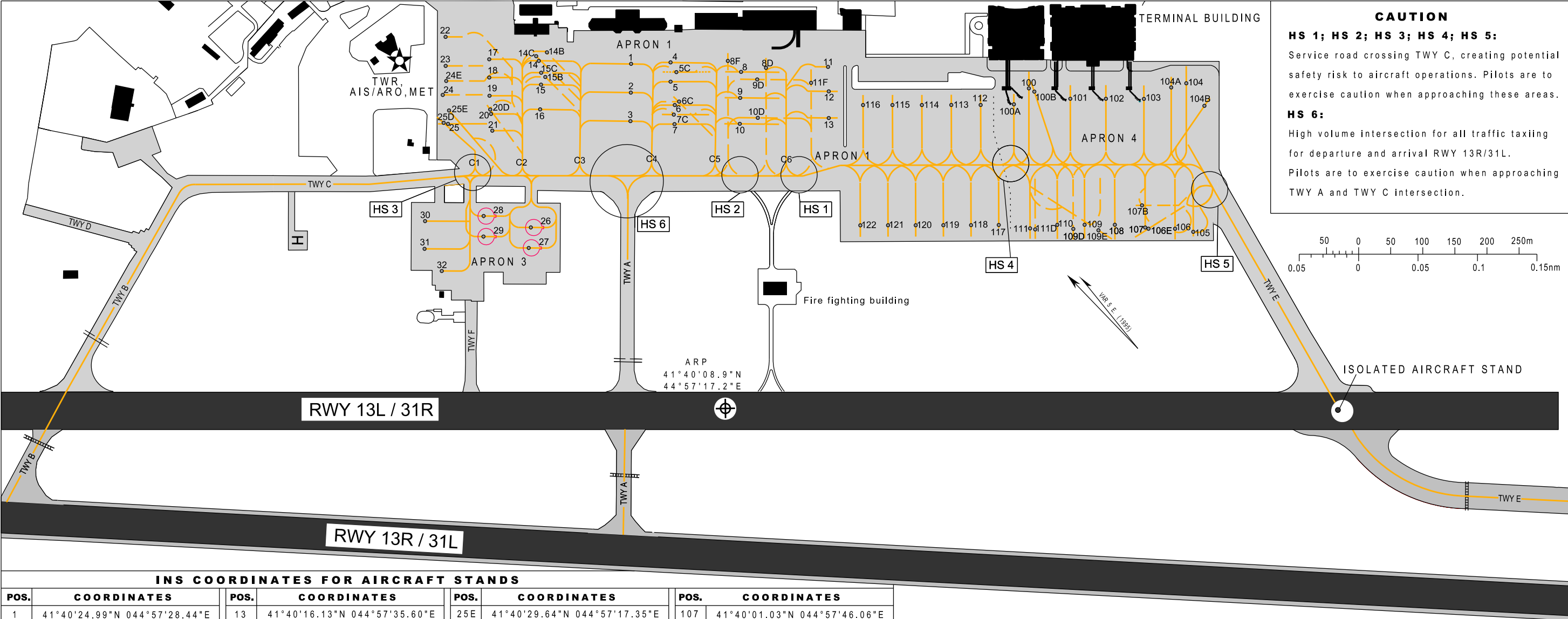
UGTB AD 2.24 Charts related to an aerodrome

Aerodrome Chart – ICAO	AD 2.UGTB-ADC
Aircraft Parking and Ground Movement Chart – ICAO	AD 2.UGTB-APGMC
Aerodrome Obstacle Chart – ICAO Type A	AD 2.UGTB-AOC-A
Area Chart – ICAO	AD 2.UGTB-ARC
Standard Departure Chart - Instrument –ICAO RWY 13R	AD 2.UGTB-SID-13R
Standard Departure Routes - Instrument – ICAO RWY 13R	AD 2.UGTB-RSID-13R
Standard Departure Chart - Instrument – ICAO RWY 31L	AD 2.UGTB-SID-31L
Standard Departure Routes - Instrument – ICAO RWY 31L	AD 2.UGTB-RSID-31L
Standard Arrival Chart - Instrument – ICAO RWY 13R	AD 2.UGTB-STAR-13R
Standard Arrival Routes - Instrument – ICAO RWY 13R	AD 2.UGTB-RSTAR-13R
Standard Arrival Chart - Instrument – ICAO RWY 31L	AD 2.UGTB-STAR-31L
Standard Arrival Routes - Instrument – ICAO RWY 31L	AD 2.UGTB-RSTAR-31L
ATC Surveillance Minimum Altitude Chart – ICAO	AD 2.UGTB-ATCSMAC
Instrument Approach Chart – ICAO RWY 13R (ILS/DME or LOC)	AD 2.UGTB-IAC-13R-ILS
Instrument Approach Chart – ICAO RWY 31L (ILS/DME or LOC)	AD 2.UGTB-IAC-31L-ILS
Instrument Approach Chart – ICAO RWY 13R (VOR/DME)	AD 2.UGTB-IAC-13R-VOR
Instrument Approach Chart – ICAO RWY 31L (VOR/DME)	AD 2.UGTB-IAC-31L-VOR
Visual Approach Chart – ICAO	AD 2.UGTB-VAC
Bird Concentrations and Movement	AD 2.UGTB-BIRD

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AIRCRAFT PARKING AND GROUND MOVEMENT
CHART - ICAO

TBILISI/Tbilisi (UGTB)



INS COORDINATES FOR AIRCRAFT STANDS

POS.	COORDINATES	POS.	COORDINATES	POS.	COORDINATES	POS.	COORDINATES
1	41°40'24.99"N 044°57'28.44"E	13	41°40'16.13"N 044°57'35.60"E	25E	41°40'29.64"N 044°57'17.35"E	107	41°40'01.03"N 044°57'46.06"E
2	41°40'23.95"N 044°57'27.10"E	14	41°40'28.32"N 044°57'24.08"E	26	41°40'22.49"N 044°57'15.90"E	107B	41°40'01.87"N 044°57'47.05"E
3	41°40'22.91"N 044°57'25.75"E	14B	41°40'28.34"N 044°57'24.84"E	27	41°40'21.81"N 044°57'14.84"E	108	41°40'02.10"N 044°57'44.58"E
4	41°40'23.49"N 044°57'30.70"E	14C	41°40'28.26"N 044°57'24.16"E	28	41°40'24.54"N 044°57'14.11"E	109	41°40'03.15"N 044°57'43.09"E
5	41°40'22.80"N 044°57'29.79"E	15	41°40'27.43"N 044°57'22.99"E	29	41°40'23.80"N 044°57'13.15"E	109D	41°40'03.45"N 044°57'42.41"E
5C	41°40'23.14"N 044°57'30.24"E	15B	41°40'27.41"N 044°57'23.64"E	30	41°40'26.39"N 044°57'11.01"E	109E	41°40'02.57"N 044°57'43.63"E
6	41°40'21.96"N 044°57'28.68"E	15C	41°40'27.82"N 044°57'23.61"E	31	41°40'25.39"N 044°57'09.70"E	110	41°40'04.15"N 044°57'41.81"E
6C	41°40'21.83"N 044°57'29.02"E	16	41°40'26.51"N 044°57'21.86"E	32	41°40'23.98"N 044°57'09.52"E	111	41°40'05.10"N 044°57'40.47"E
7	41°40'21.27"N 044°57'27.78"E	17	41°40'30.12"N 044°57'21.70"E	100	41°40'10.24"N 044°57'46.86"E	111D	41°40'04.78"N 044°57'40.54"E
7C	41°40'21.61"N 044°57'28.23"E	18	41°40'29.45"N 044°57'20.85"E	100A	41°40'10.17"N 044°57'45.38"E	112	41°40'11.31"N 044°57'43.72"E
8	41°40'20.88"N 044°57'33.45"E	19	41°40'28.78"N 044°57'20.01"E	100B	41°40'09.94"N 044°57'46.97"E	113	41°40'12.33"N 044°57'42.27"E
8D	41°40'20.08"N 044°57'34.81"E	20	41°40'28.11"N 044°57'19.16"E	101	41°40'08.41"N 044°57'48.42"E	114	41°40'13.35"N 044°57'40.83"E
8F	41°40'21.17"N 044°57'32.63"E	20D	41°40'28.13"N 044°57'19.39"E	102	41°40'07.17"N 044°57'50.16"E	115	41°40'14.38"N 044°57'39.38"E
9	41°40'19.94"N 044°57'32.22"E	21	41°40'27.39"N 044°57'18.53"E	103	41°40'05.84"N 044°57'52.03"E	116	41°40'15.40"N 044°57'37.93"E
9D	41°40'20.02"N 044°57'33.91"E	22	41°40'32.47"N 044°57'20.60"E	104	41°40'04.94"N 044°57'54.84"E	117	41°40'06.13"N 044°57'38.85"E
10	41°40'19.00"N 044°57'30.99"E	23	41°40'31.40"N 044°57'19.25"E	104A	41°40'05.31"N 044°57'53.91"E	118	41°40'07.09"N 044°57'37.49"E
10D	41°40'18.61"N 044°57'32.13"E	24	41°40'30.43"N 044°57'17.76"E	104B	41°40'03.45"N 044°57'54.66"E	119	41°40'08.06"N 044°57'36.13"E
11	41°40'18.01"N 044°57'37.97"E	24E	41°40'30.82"N 044°57'18.58"E	105	41°39'59.31"N 044°57'48.36"E	120	41°40'09.02"N 044°57'34.77"E
11F	41°40'18.05"N 044°57'36.44"E	25	41°40'29.37"N 044°57'16.40"E	106	41°40'00.00"N 044°57'47.53"E	121	41°40'09.99"N 044°57'33.41"E
12	41°40'17.11"N 044°57'36.84"E	25D	41°40'29.36"N 044°57'16.50"E	106E	41°40'00.88"N 044°57'46.16"E	122	41°40'10.95"N 044°57'32.05"E

APRON SURFACE & STRENGTH

APRON 1 - Concrete-asphalt - PCN 53/R/B/W/U
Aircraft stands № 112,113,114,115,116 -
Concrete - PCN 62/R/A/W/T
Aircraft stands № 117,118,119,120,121,122 -
Asphalt - PCN 127/F/C/X/T

APRON 3 - Concrete-asphalt - PCN 12/F/B/X/T
APRON 4 - Concrete - PCN 72/R/A/W/T

LEGEND

HELICOPTER PAD	H
TAXI LANE	C4
AIRCRAFT STAND	• 23
HELICOPTER STAND	• 27
TAXI-HOLDING POSITION PRECISION APCH RWY	=====
NON-PRECISION APCH RWY	=====

TAXIWAYS WIDTH, SURFACE & STRENGTH

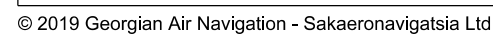
TWY A :18 M Concrete-asphalt PCN 59/R/B/W/U
TWY B :23 M Concrete-asphalt PCN 65/R/B/W/U
TWY C :23 M Concrete-asphalt PCN 65/R/B/W/U
TWY D :16 M Concrete PCN 16/R/C/X/T
TWY E :23 M Concrete PCN 65/R/A/W/U
TWY F :18 M Concrete-asphalt PCN 12/F/B/X/T

Charges: Stands updated and added, Apron1 PCN notes

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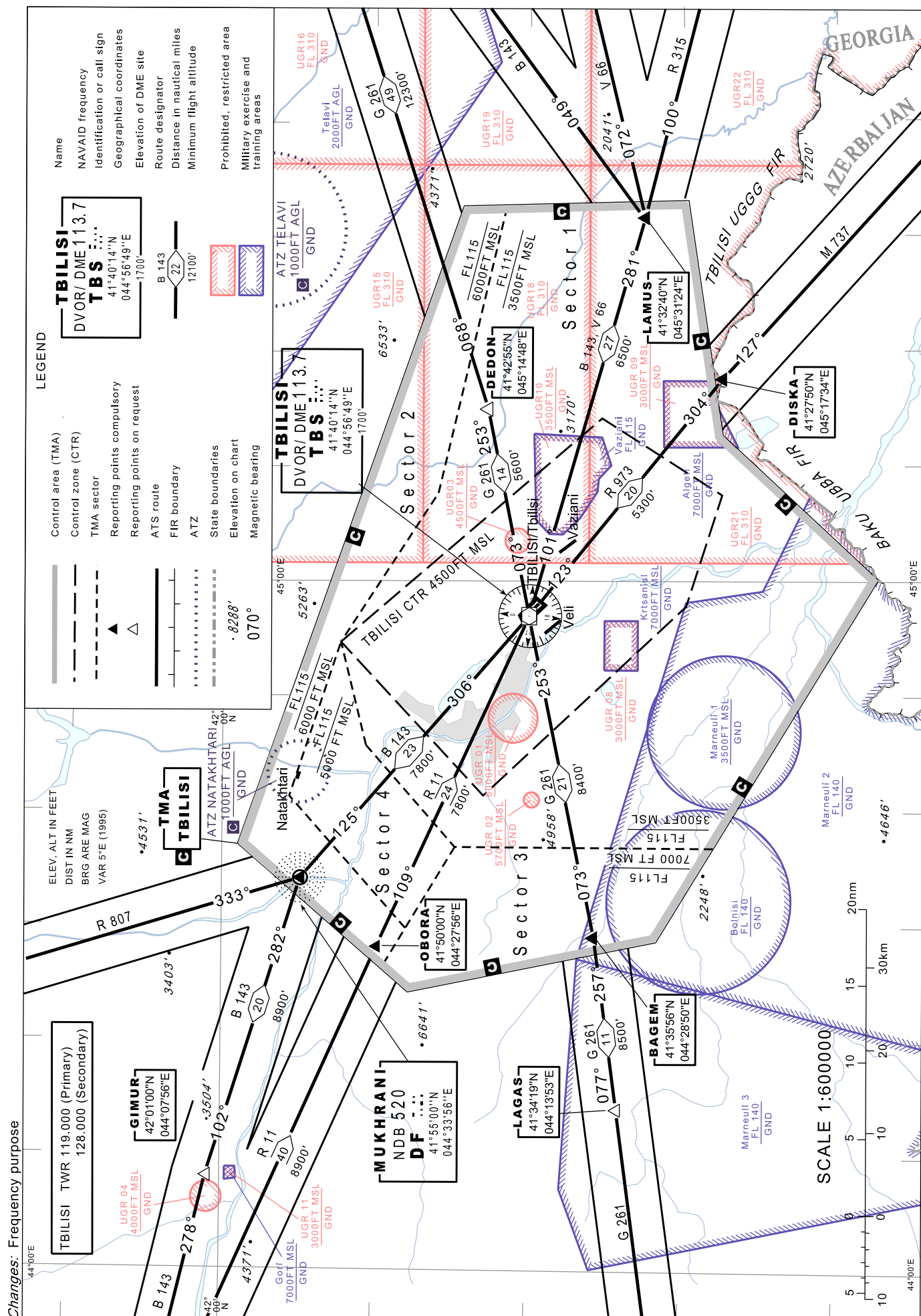
TBILISI/Tbilisi (UGTB)
RWY 13R/31L

VERTICAL SCALE
1:2500



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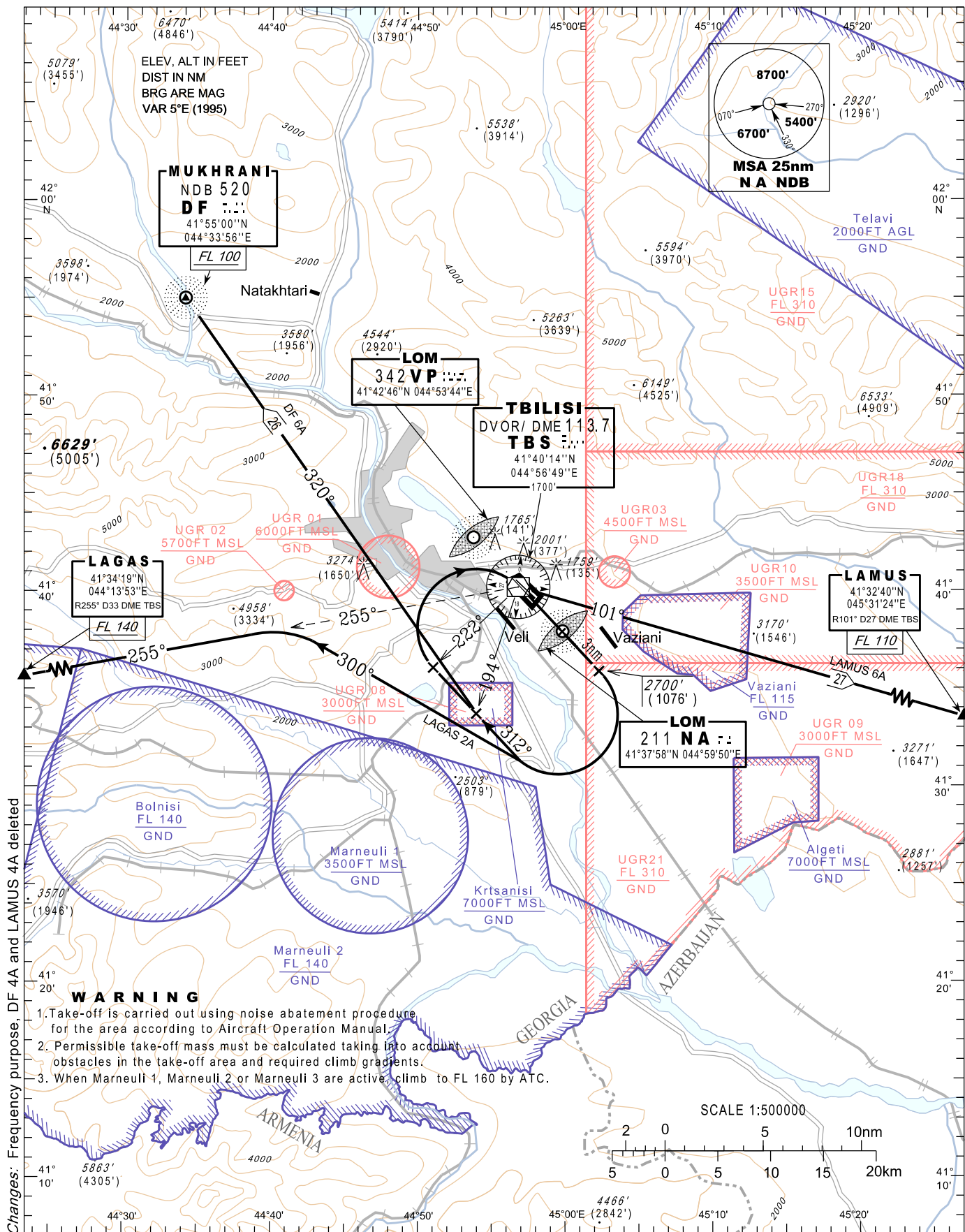
TMA TBILISI / Tbilisi (UGTB)



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**STANDARD DEPARTURE CHART-
INSTRUMENT (SID) - ICAO****TBILISI/Tbilisi (UGTB)****RWY 13R**TRANSITION ALTITUDE
7600'APP 134.600
TWR 119.000 (Primary)
128.000 (Secondary)

LAMUS 6A LAGAS 2A DF 6A



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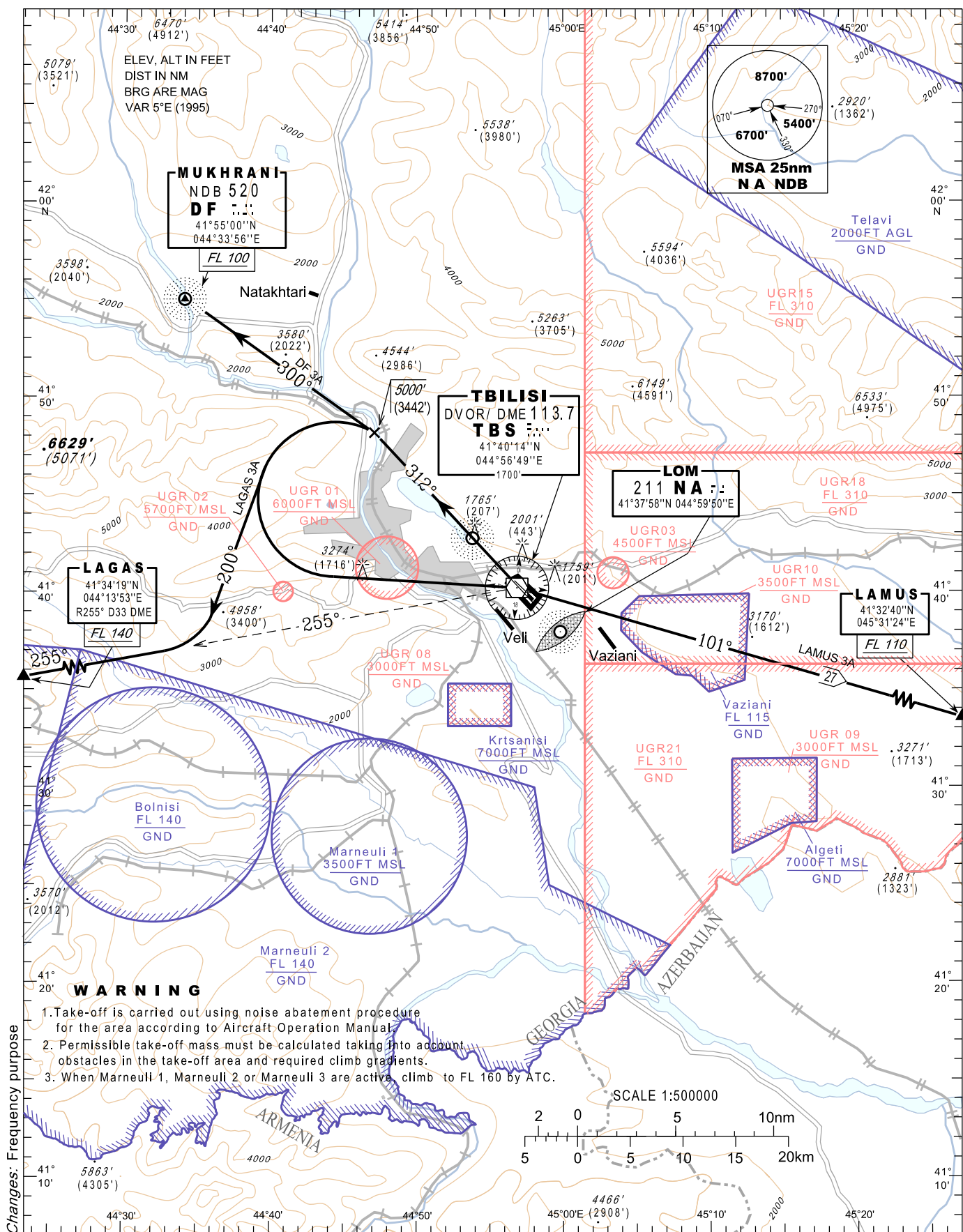
STANDARD DEPARTURE ROUTES – INSTRUMENT (SID) RWY 13R

SID	ROUTING AND ALTITUDES	MIN. CLIMB GRAD.
LAMUS 6A	LAMUS SIX ALFA After take-off climb on RWY heading to 2700 FT, continue climb to FL 110 or above and while climbing turn RIGHT onto track 312° to intercept R-222° of TBS DVOR, then turn RIGHT to TBS, therefrom onto track 101° to LAMUS	
LAGAS 2A	LAGAS TWO ALFA After take-off climb on RWY heading to 2700 FT, turn RIGHT onto track 300° to intercept R-255° of TBS DVOR, then turn LEFT onto track 255° to LAGAS to be over LAGAS at FL 140 or above	5.2%
DF 6A	DELTA FOXTROT SIX ALFA After take-off climb on RWY heading to 2700 FT, continue climb to FL 100 or above and while climbing turn RIGHT onto track 312° to intercept R-194° of TBS DVOR, then turn RIGHT onto track 320° to DF	

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**STANDARD DEPARTURE CHART-
INSTRUMENT (SID) - ICAO****TBILISI/Tbilisi (UGTB)
RWY 31L**TRANSITION ALTITUDE
7600'APP 134.600
TWR 119.000 (Primary)
128.000 (Secondary)

LAMUS 3A LAGAS 3A DF 3A



Changes: Frequency purpose

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STANDARD DEPARTURE ROUTES – INSTRUMENT (SID) RWY 31L

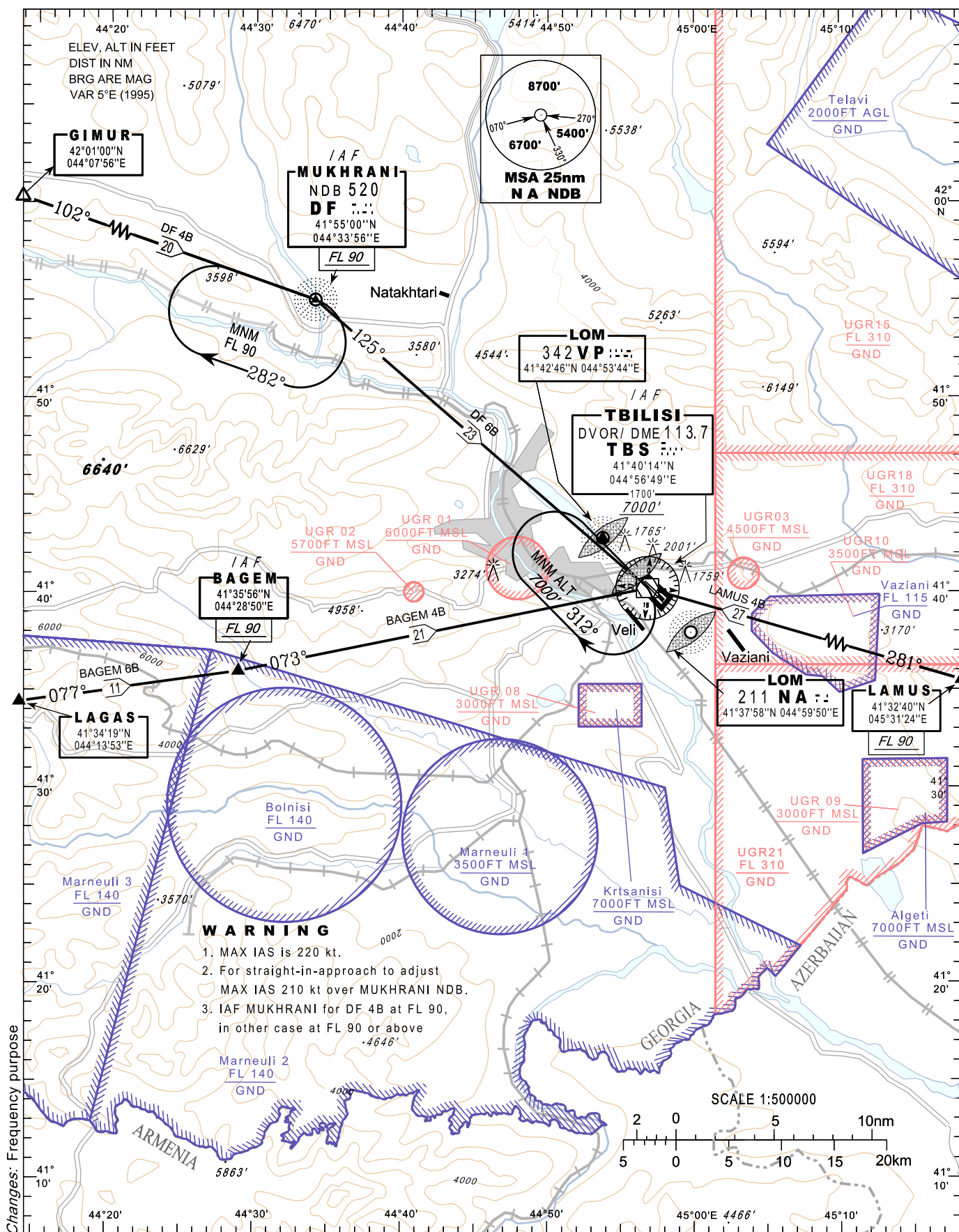
SID	ROUTING AND ALTITUDES	MIN. CLIMB GRAD.
LAMUS 3A	LAMUS THREE ALFA After take-off climb on RWY heading to 5000 FT to reach this altitude not later than at the distance of 10.8 NM from TBS DME, climb to FL 110 or above to LAMUS, and while climbing first turn LEFT to TBS, then turn RIGHT onto track 101° to LAMUS	5.4% up to 5000 FT
LAGAS 3A	LAGAS THREE ALFA After take-off climb on RWY heading to 5000 FT to reach this altitude not later than at the distance of 10.8 NM from TBS DME, then turn LEFT onto track 200° to intercept R-255° of TBS DVOR, then turn RIGHT onto track 255° to LAGAS to be over LAGAS at FL 140 or above	5.4% up to 5000 FT. 5.1% from 5000 FT to FL 140
DF 3A	DELTA FOXTROT THREE ALFA After take-off climb on RWY heading to 5000 FT to reach this altitude not later than at the distance of 10.8 NM from TBS DME, then turn LEFT onto track 300° to DF climbing to FL 100 or above	6.0%

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TBILISI/Tbilisi (UGTB)

DF 4B DF 6B BAGEM 4B
BAGEM 6B LAMUS 4B

APP	134.600
TWR	119.000 (Primary)
	128.000 (Secondary)
ATIS	132.800



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STANDARD ARRIVAL ROUTES – INSTRUMENT (STAR) RWY 13R

STAR	ROUTING AND ALTITUDES
LAMUS 4B	LAMUS FOUR BRAVO After passing LAMUS proceed on track 281° to TBS DVOR (IAF) descending to 7000 FT or above. For further details see INSTRUMENT APPROACH CHARTS – ICAO AD 2.UGTB-IAC-13R-ILS and AD 2.UGTB-IAC-13R-VOR
BAGEM 4B	BAGEM FOUR BRAVO After passing BAGEM proceed on track 073° to TBS DVOR (IAF) descending to 7000 FT or above. For further details see INSTRUMENT APPROACH CHARTS - ICAO AD 2.UGTB-IAC-13R-ILS and AD 2.UGTB-IAC-13R-VOR
BAGEM 6B	BAGEM SIX BRAVO After passing LAGAS proceed on track 077° to BAGEM (IAF) descending to FL 90 or above. For further details see INSTRUMENT APPROACH CHARTS - ICAO AD 2.UGTB-IAC-13R-ILS and AD 2.UGTB-IAC-13R-VOR
DF 6B	DELTA FOXTROT SIX BRAVO After passing DF proceed on track 125° to TBS DVOR (IAF) descending to 7000 FT or above. For further details see INSTRUMENT APPROACH CHARTS - ICAO AD 2.UGTB-IAC-13R-ILS and AD 2.UGTB-IAC-13R-VOR
DF 4B	DELTA FOXTROT FOUR BRAVO After passing GIMUR proceed on track 102° to DF (IAF) descending to FL 90. For further details see INSTRUMENT APPROACH CHARTS - ICAO AD 2.UGTB-IAC-13R-ILS and AD 2.UGTB-IAC-13R-VOR

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STANDARD ARRIVAL CHART- INSTRUMENT (STAR) - ICAO

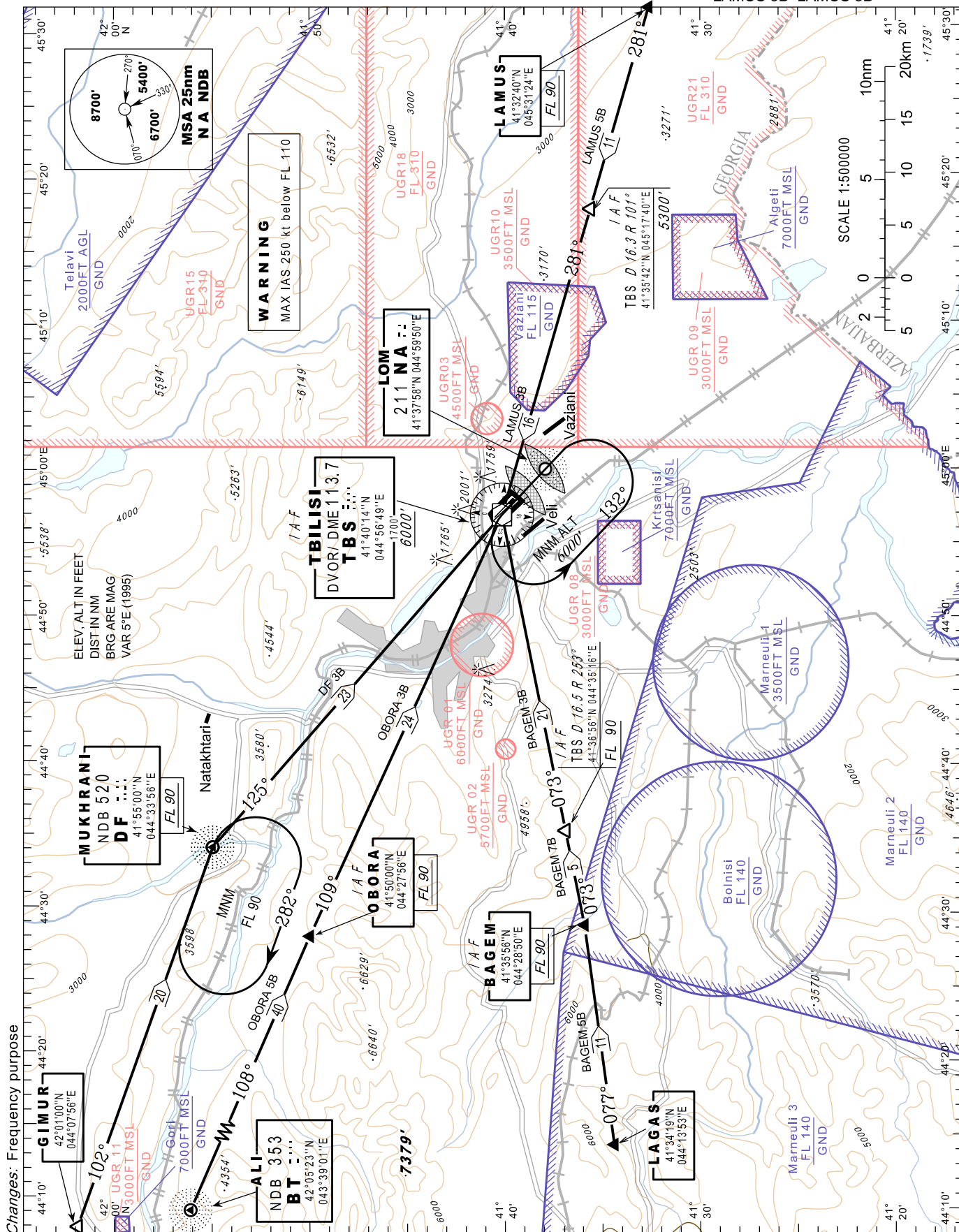
TBILISI/Tbilisi (UGTB)

RWY 31L

TRANSITION LEVEL FL 90
TRANSITION ALTITUDE 7600'

APP 134.600
TWR 119.000 (Primary)
128.000 (Secondary)
ATIS 132.800

BAGEM 3B BAGEM 5B BAGEM 7B
DF 3B OBORA 3B OBORA 5B
LAMUS 3B LAMUS 5B



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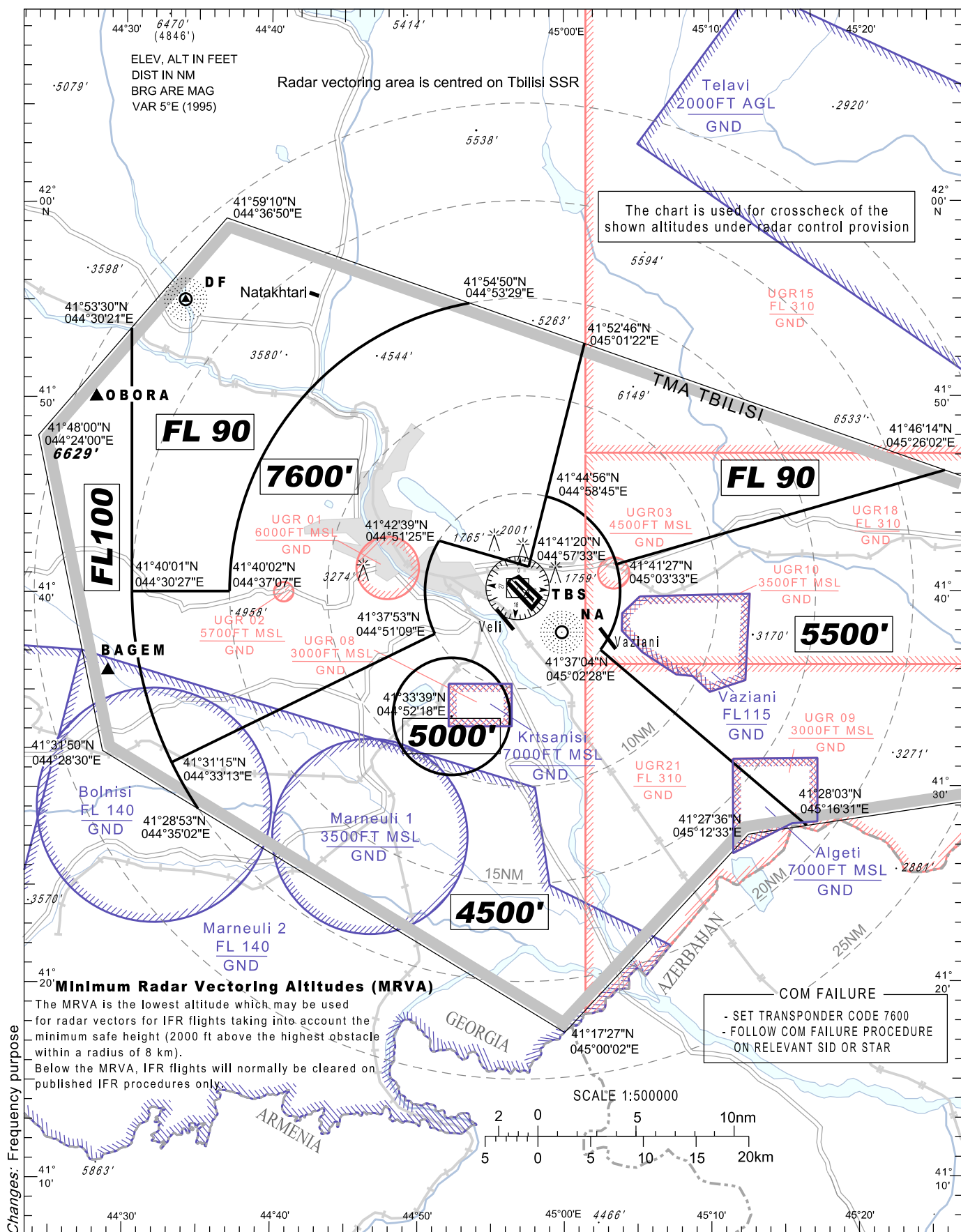
STANDARD ARRIVAL ROUTES – INSTRUMENT (STAR) RWY 31L

STAR	ROUTING AND ALTITUDES
LAMUS 3B	LAMUS THREE BRAVO After passing LAMUS proceed on track 281° to TBS DVOR (IAF) descending to 6000 FT or above. For further details see INSTRUMENT APPROACH CHARTS - ICAO AD 2.UGTB-IAC-31L-ILS and AD 2.UGTB-IAC-31L-VOR
LAMUS 5B	LAMUS FIVE BRAVO After passing LAMUS proceed on R-101 TBS to IAF D 16.3/ R101 TBS descending to 5300 FT. For further details see INSTRUMENT APPROACH CHARTS - ICAO AD 2.UGTB-IAC-31L-ILS and AD 2.UGTB-IAC-31L-VOR
BAGEM 3B	BAGEM THREE BRAVO After passing BAGEM proceed on track 073° to TBS DVOR (IAF) descending to 6000 FT or above. For further details see INSTRUMENT APPROACH CHARTS - ICAO AD 2.UGTB-IAC-31L-ILS and AD 2.UGTB-IAC-31L-VOR
BAGEM 5B	BAGEM FIVE BRAVO After passing LAGAS proceed on track 077° to BAGEM (IAF) descending to FL 90 or above. For further details see INSTRUMENT APPROACH CHARTS - ICAO AD 2.UGTB-IAC-31L-ILS and AD 2.UGTB-IAC-31L-VOR
BAGEM 7B	BAGEM SEVEN BRAVO After passing BAGEM proceed on R-253 TBS to IAF D 16.5/ R253 TBS descending to FL 90 or above. For further details see INSTRUMENT APPROACH CHARTS - ICAO AD 2.UGTB-IAC-31L-ILS and AD 2.UGTB-IAC-31L-VOR
DF 3B	DELTA FOXTROT THREE BRAVO After passing DF proceed on track 125° to TBS DVOR (IAF) descending to 6000 FT or above. For further details see INSTRUMENT APPROACH CHARTS - ICAO AD 2.UGTB-IAC-31L-ILS and AD 2.UGTB-IAC-31L-VOR
OBORA 3B	OBORA THREE BRAVO After passing OBORA proceed on track 109° to TBS DVOR (IAF) descending to 6000 FT or above. For further details see INSTRUMENT APPROACH CHARTS - ICAO AD 2.UGTB-IAC-31L-ILS and AD 2.UGTB-IAC-31L-VOR
OBORA 5B	OBORA FIVE BRAVO After passing ALI proceed on track 108° to OBORA (IAF) descending to FL 90 or above. For further details see INSTRUMENT APPROACH CHARTS - ICAO AD 2.UGTB-IAC-31L-ILS and AD 2.UGTB-IAC-31L-VOR

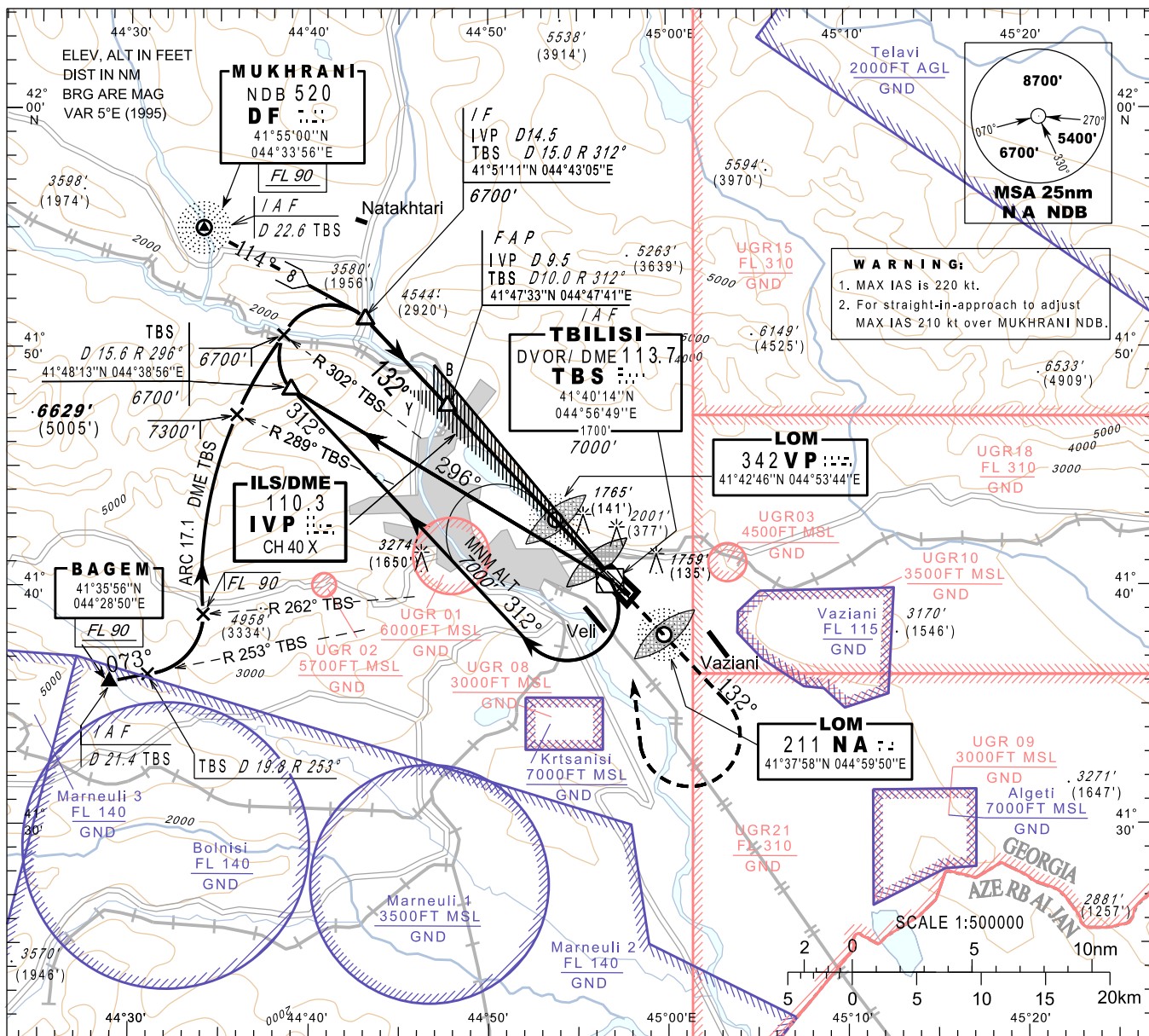
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TBILISI/Tbilisi (UGTB)

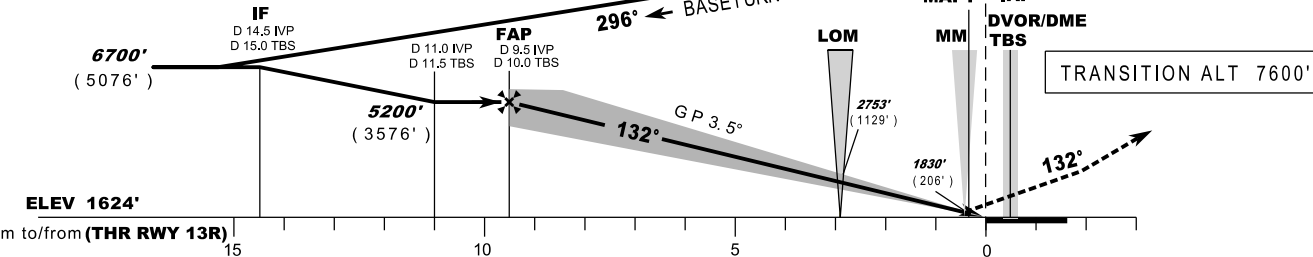
APP	134.600
TWR	119.000 (Primary)
	128.000 (Secondary)



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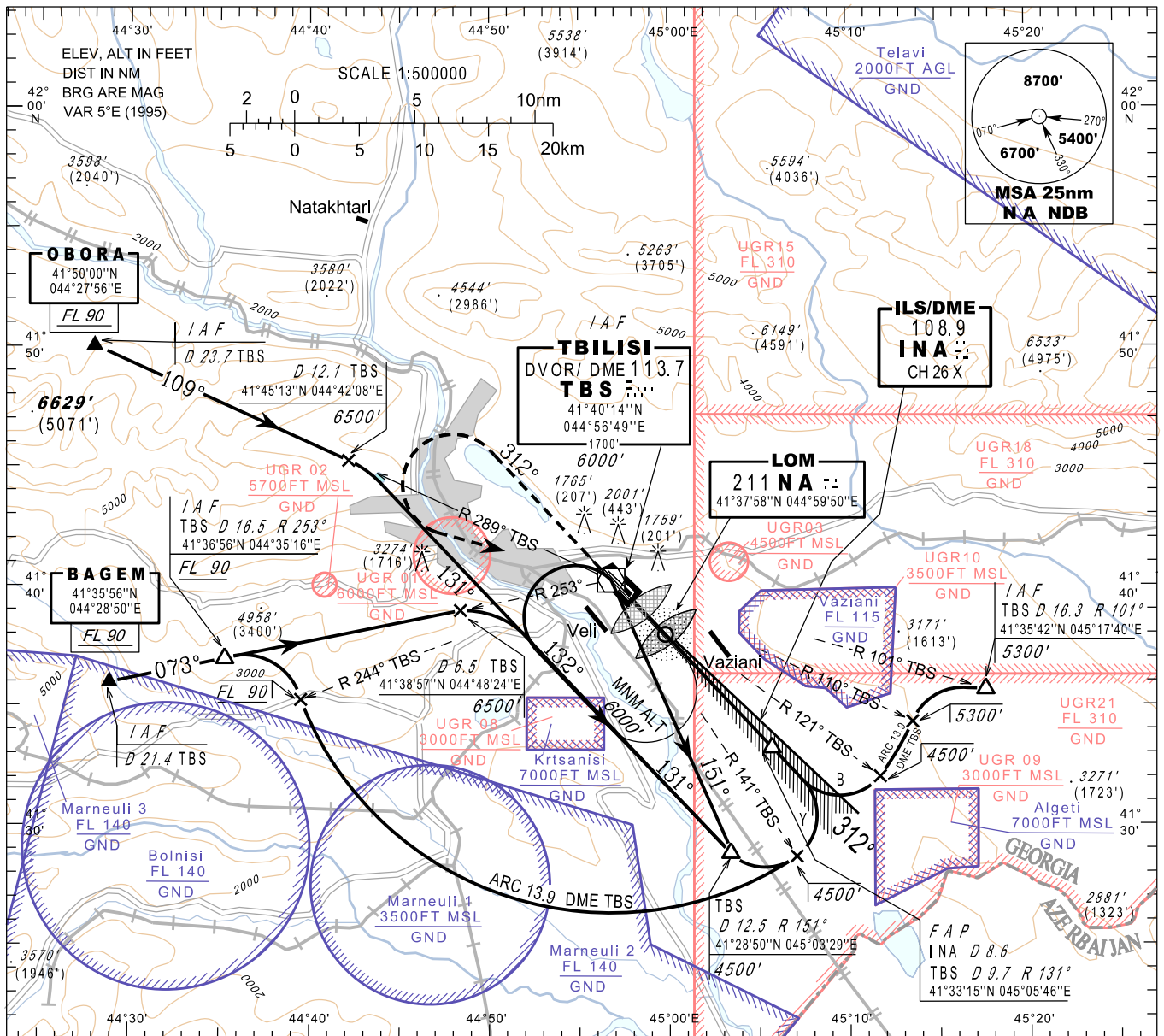
**INSTRUMENT
APPROACH
CHART - ICAO**AERODROME ELEV 1624'
HEIGHTS RELATED TO
THR RWY 13R - ELEV 1624'APP 134.600
TWR 119.000 (Primary)
128.000 (Secondary)**TBILISI/Tbilisi (UGTB)
ILS/DME or LOC
RWY 13R****MISSED APPROACH**

Climb on radial **132°** to **3500'**, then turn right to **TBS**, climbing to **7000'** and follow **ATC** instructions



OCA/ H		A	B	C	D					kt	70	80	90	100	120	140	160	180
Straight-in Approach	ILS	1820 (190)	1840 (210)			FAP - MAPT 9.1 nm		min:s	7: 47	6: 49	6: 03	5: 27	4: 33	3: 54	3: 24	3: 02		
	GP INOP	2914 (1290)				Rate of descent		ft/min	440	500	560	620	750	870	1000	1120		
DME IVP NM				9	8	7	6	5	4		3		2		1			
ALT (HGT) ft				5020 (3390)	4650 (3020)	4270 (2640)	3900 (2270)	3530 (1900)	3160 (1530)		2790 (1160)		2420 (790)		2050 (420)			

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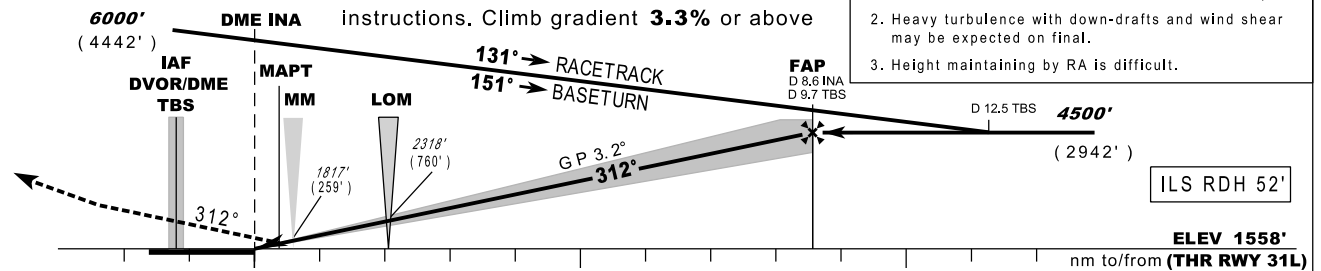
**INSTRUMENT
APPROACH
CHART - ICAO**AERODROME ELEV 1624'
HEIGHTS RELATED TO
THR RWY 31L - ELEV 1558'APP 134.600
TWR 119.000 (Primary)
128.000 (Secondary)**TBILISI/Tbilisi (UGTB)
ILS/DME or LOC
RWY 31L**

TRANSITION ALT 7600'

MISSED APPROACH
Climb on radial **312°** to **4900'**, then turn left to **TBS**, climbing to **6000'** and follow **ATC** instructions. Climb gradient **3.3%** or above

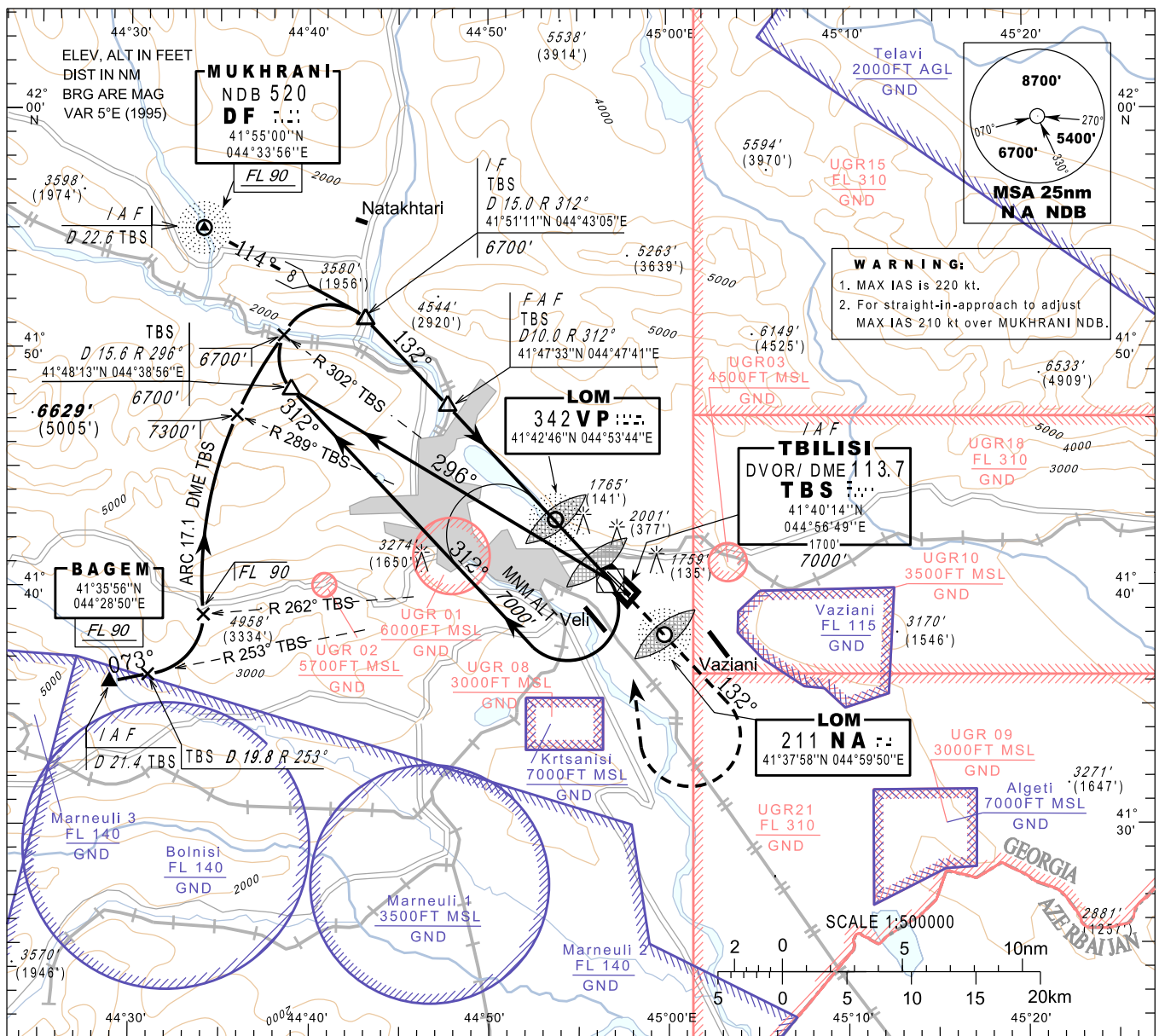
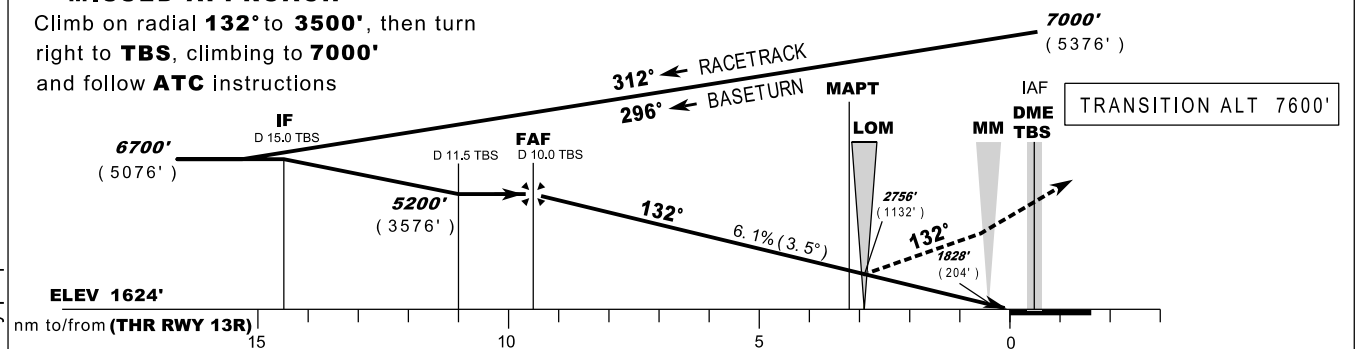
WARNING:

1. Identify TBILISI/Tbilisi aerodrome before landing in order not to mistake military Vaziani aerodrome located south-east 6 nm from ARP of TBILISI/Tbilisi airport.
2. Heavy turbulence with down-drafts and wind shear may be expected on final.
3. Height maintaining by RA is difficult.



		A	B	C	D					kt	70	80	90	100	120	140	160	180
Straight-in Approach	ILS CAT I	1728 (170)	1748 (190)			FAP - MAPT 8.2 nm	min:s	7: 02	6: 09	5: 28	4: 55	4: 06	3: 31	3: 04	2: 44			
	GP INOP	2140 (580)				Rate of descent	ft/min	392	448	504	560	672	784	896	1008			
DME IN NM				9	8	7	6	5	4	3	2	1						
ALT (HGT) ft				4631 (3073)	4295 (2737)	3960 (2402)	3624 (2066)	3288 (1730)	2953 (1395)	2617 (1059)	2281 (723)	1946 (388)						

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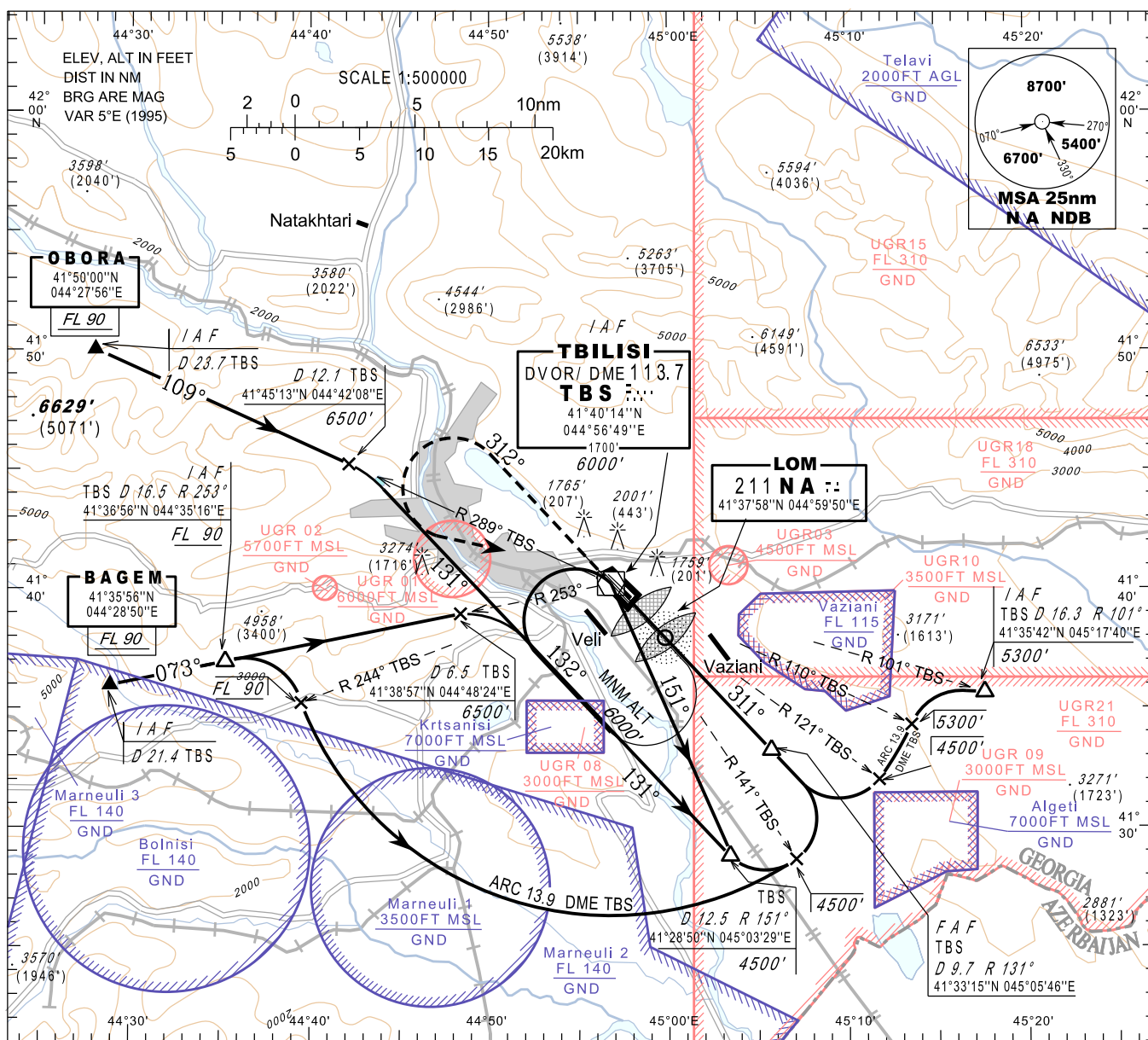
**INSTRUMENT
APPROACH
CHART - ICAO**AERODROME ELEV 1624'
HEIGHTS RELATED TO
THR RWY 13R - ELEV 1624'APP 134.600
TWR 119.000 (Primary)
128.000 (Secondary)**TBILISI/Tbilisi (UGTB)****VOR/DME
RWY 13R****MISSED APPROACH**Climb on radial **132°** to **3500'**, then turn
right to **TBS**, climbing to **7000'**
and follow **ATC** instructions

Changes: Frequency purpose

OCA/H					DME TBS NM					ALT (HGT) FT				
A	B	C	D		9	8	7	6	5	4				
Straight-in Approach DVOR/DME 2920 (1290)					4830 (3200) 4460 (2830) 4090 (2460) 3720 (2090) 3350 (1720) 2970 (1340)									

FAF - MAPT 6.1 nm	min:s	70	80	90	100	120	140	160	180
Rate of descent	ft/min	440	500	560	620	750	870	1000	1120

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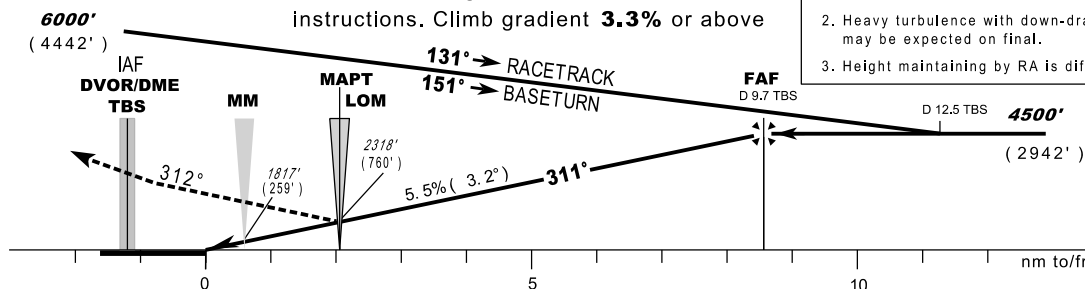
**INSTRUMENT
APPROACH
CHART - ICAO**AERODROME ELEV 1624'
HEIGHTS RELATED TO
THR RWY 31L - ELEV 1558'APP 134.600
TWR 119.000 (Primary)
128.000 (Secondary)**TBILISI/Tbilisi (UGTB)****VOR/DME
RWY 31L**

TRANSITION ALT 7600'

MISSED APPROACH
Climb on radial **312°** to **4900'**, then turn left to **TBS**, climbing to **6000'** and follow **ATC** instructions. Climb gradient **3.3%** or above

WARNING:

1. Identify TBILISI/Tbilisi airport before landing in order not to mistake military Vaziani aerodrome located south-east 6 nm from ARP of TBILISI/Tbilisi airport.
2. Heavy turbulence with down-drafts and wind shear may be expected on final.
3. Height maintaining by RA is difficult.

ELEV 1558'
(THR RWY 31L)

kt	70	80	90	100	120	140	160	180
FAF - MAPT 6.4 nm	min:s	5: 32	4: 50	4: 18	3: 52	3: 13	2: 46	2: 25
Rate of descent	ft/min	400	450	510	560	680	790	900
DME TBS NM	9	8	7	6	5	4	3	
ALT (HGT) ft	4270 (2710)	3940 (2380)	3600 (2040)	3260 (1700)	2930 (1370)	2593 (1030)	2260 (700)	

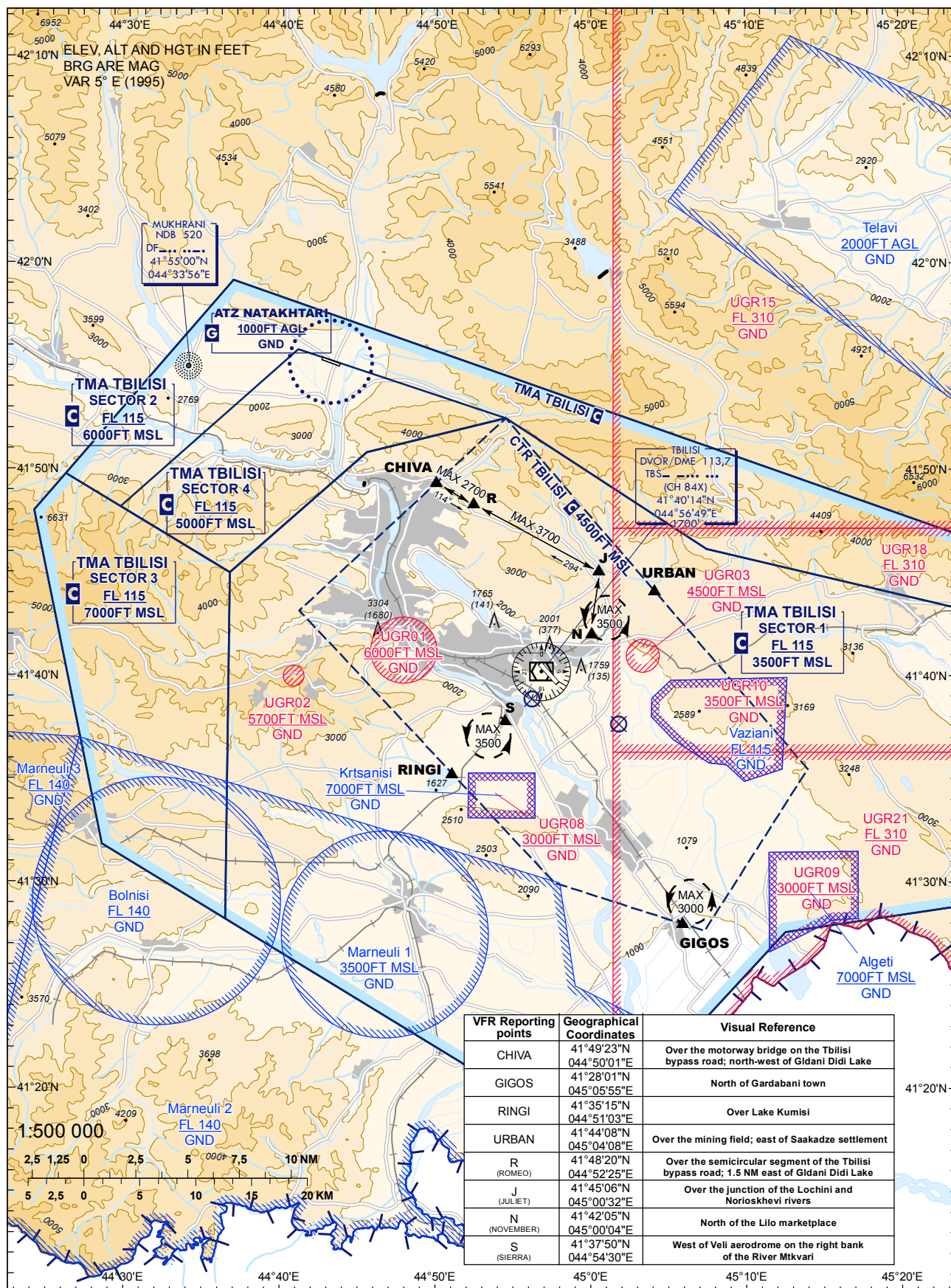
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VISUAL APPROACH CHART - ICAO**TBILISI/Tbilisi (UGTB)**

AERODROME ELEV. 1624'

HEIGHTS RELATED TO AD ELEV

APP	134.600
TWR	119.000 (Main)
	128.000 (Reserve)

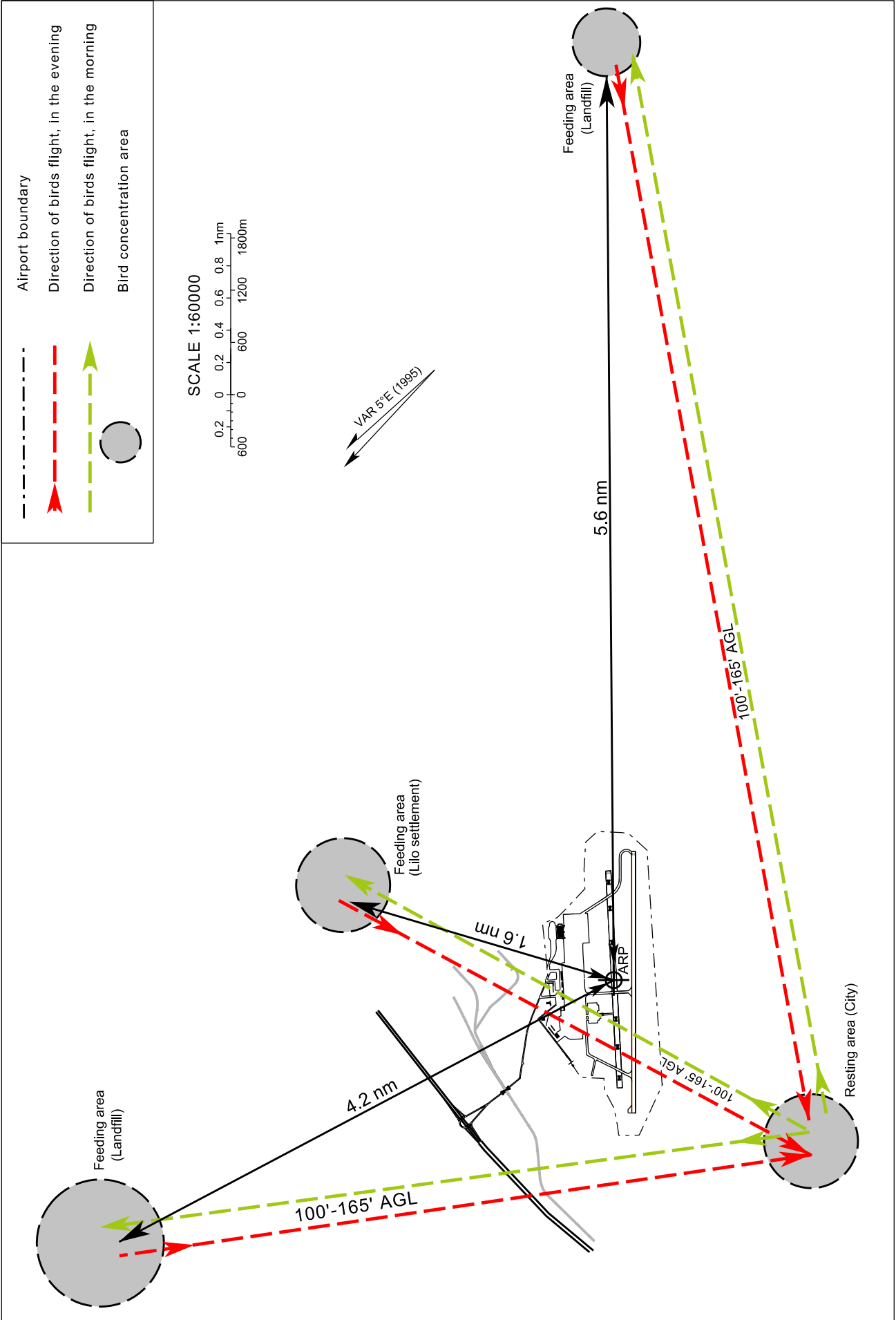


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BIRD CONCENTRATIONS
AND MOVEMENT

TBILISI/Tbilisi (UGTB)

Changes: Feeding area added, scale updated



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