GEN 3.2 Aeronautical charts

1 Responsible services

Sakaeronavigatsia Ltd provides aeronautical charts for use by all types of civil aviation. The Aeronautical Information Service produces the charts, which are part of the AIP and Aeronautical Chart — ICAO 1:500 000. Charts, suitable for pre-flight planning and briefing, are available for reference at AIS units. (The addresses can be found in subsection GEN 3.1.1) The charts are produced in accordance with the provisions contained in *ICAO Annex 4 – Aeronautical Charts* and Georgian CAA Order No 3 "Rules of the Aeronautical Charts". Differences to these provisions are detailed in subsection GEN 1.7.

2 Maintenance of charts

2.1 The aeronautical charts included in the AIP are kept up to date by amendments to the AIP. Corrections to aeronautical charts not contained in the AIP are promulgated by AIP AMDT and are listed under para. 8 of this subsection. Information concerning the planning for or issuance of new aeronautical chart series and maps is notified by AIC.

2.2 If incorrect information detected on published charts is of operational significance, it is corrected by NOTAM.

2.3 Charts which are part of the AIP are renewed when necessary.

2.4 Aeronautical Chart — ICAO 1:500 000. Aeronautical information is revised when necessary, whilst Topographic background - once in 4 years. The latest aeronautical information can be obtained by consulting the AIP and NOTAM as appropriate. Aeronautical Chart — ICAO 1:500 000 in digital format contains the latest aeronautical information.

3 Purchase arrangements

3.1 The charts as listed under para. 5 of this subsection may be obtained from the:

Post: Aeronautical Information Service Georgian Air Navigation — Sakaeronavigatsia Ltd. TBILISI/Tbilisi Airport 0198 Tbilisi, Georgia Tel: (+995 32) 274 42 37 Tel: (+995 32) 274 42 95 Fax: (+995 32) 274 42 23 AFS: UGTBYOYX URL: https://ais.airnav.ge

Operational Hours: MON-FRI 05:00 - 14:00 (UTC) (except HOL)

4 Aeronautical chart series available

- 4.1 The following series of aeronautical charts are produced:
- a. Aerodrome/Heliport Chart ICAO;
- b. Aerodrome Ground Movement Chart ICAO;
- c. Aircraft Parking/Docking Chart ICAO;
- d. Aerodrome Obstacle Chart ICAO Type A;
- e. En-route Chart ICAO;
- f. Area Chart ICAO (arrival, departure and transit routes);
- g. Standard Departure Chart Instrument (SID) ICAO;
- h. Standard Arrival Chart Instrument (STAR) ICAO;
- i. ATC Surveillance Minimum Altitude Chart ICAO;
- j. Instrument Approach Chart ICAO (for each runway and procedure type);
- k. Visual Approach Chart ICAO;
- I. Aeronautical Chart ICAO 1:500 000 (also available in digital format Geo TIFF, Geospatial PDF);
- m. Index Charts:
 - * AIRMET/GAMET areas;
 - Radar coverage area;
 - * Prohibited, Restricted, Military exercise and Training areas;
 - Bird Migration Routes;
 - Bird Concentrations and Movement;
 - * Free Route Airspace;
 - * En-route ATC Surveillance Minimum Altitude Chart.

The charts currently available are listed under para 5 of this subsection.

4.2 General description of each series

- a. *Aerodrome Chart ICAO.* This chart contains detailed aerodrome data to provide flight crews with information that will facilitate the ground movement of aircraft:
 - from the aircraft stand to the runway; and
 - from the runway to the aircraft stand.

It also provides essential operational information at the aerodrome.

- b. Aerodrome Ground Movement Chart ICAO. This chart is produced for those aerodromes where, due to congestion of information, details necessary for the ground movement of aircraft along the taxiways to and from the aircraft stands and for the parking/docking of aircraft cannot be shown with sufficient clarity on the Aerodrome Chart ICAO. The chart is produced in combination with the Aircraft Parking/Docking Chart ICAO for Tbilisi aerodrome.
- c. Aircraft Parking/Docking Chart ICAO. This chart is produced for those aerodromes where, due to the complexity of the terminal facilities, the information to facilitate the ground movement of aircraft between the taxiways and the aircraft stands and the parking/docking of aircraft cannot be shown with sufficient clarity on the Aerodrome Chart ICAO or on the Aerodrome Ground Movement Chart ICAO.

The chart is produced in combination with the Aerodrome Ground Movement Chart — ICAO for Tbilisi aerodrome.
 Aerodrome Obstacle Chart — ICAO — Type A (operating limitation). This Chart contains detailed information on obstacles in the take-off flight path areas of aerodromes. It is shown in plan and profile view.

- e. *En-route Chart ICAO*. This chart is produced for the entire TBILISI FIR. The aeronautical data include all aerodromes, prohibited, restricted and danger areas and the ATS system in detail. The chart provides the flight crew with information that will facilitate navigation along ATS routes in compliance with Air traffic services procedures.
- f. Area Chart ICAO. This chart is produced when the ATS routes or position reporting requirements are complex and cannot be shown on an En-route Chart ICAO. It shows, in more detail, those aerodromes that affect terminal routings, prohibited, restricted and danger areas and the air traffic services system. This chart provides the flight crew with information that will facilitate the following phases of

instrument flight:

- * the transition between the en-route phase and the approach to an aerodrome;
- * the transition between the take-off/missed approach and the en-route phase of flight; and
- * flights through areas of complex ATS routes or airspace structure.
- g. Standard Departure Chart Instrument (SID) ICAO. This chart is produced whenever a standard departure route — instrument has been established and cannot be shown with sufficient clarity on the Area Chart — ICAO. The aeronautical data shown include the aerodrome of departure, aerodrome(s) which affect the designated standard departure route — instrument, prohibited, restricted and danger areas and the air traffic services system. This chart provides the flight crew with information that will enable them to comply with the designated standard departure route — instrument from the take-off phase to the en-route phase.
- h. Standard Arrival Chart Instrument (STAR) ICAO. This chart is produced whenever a standard arrival route instrument has been established and cannot be shown with sufficient clarity on the Area Chart ICAO. The aeronautical data shown include the aerodrome of landing, aerodrome(s) which affect the designated standard arrival route instrument, prohibited, restricted and danger areas and the air traffic services system. This chart provides the flight crew with information that will enable them to comply with the designated standard arrival route instrument from the en-route phase to the approach phase.
- i. ATC Surveillance Minimum Altitude Chart— ICAO. This supplementary chart provides information that will enable flight crews to monitor and cross-check altitudes assigned while under radar control.
- j. Instrument Approach Chart ICAO. This chart is produced for all aerodromes used by civil aviation where instrument approach procedures have been established. A separate Instrument Approach Chart ICAO has been provided for each approach procedure.

The aeronautical data shown include information on aerodromes, prohibited, restricted and danger areas, radio communication facilities and navigation aids, minimum sector altitude, procedure track portrayed in plan and profile view, etc.

This chart provides the flight crew with information that will enable them to perform an approved instrument approach procedure to the runway of intended landing including the missed approach procedure and where applicable, associated holding patterns.

- k. *Visual Approach Chart ICAO*. This chart is produced for aerodromes used by civil aviation where:
 - * only limited navigation facilities are available; or
 - radio communication facilities are not available; or
 - no adequate aeronautical charts of the aerodrome and its surroundings at 1:500 000 or greater scale are available; or
 - visual approach procedures have been established.

The aeronautical data shown include information on aerodromes, obstacles, designated airspace, visual approach information, radio navigation aids and communication facilities, as appropriate.

I. Aeronautical Chart — ICAO 1:500 000. This series is constructed on Transverse Mercator projection. The aeronautical data shown are consistent with the use of short and medium range operations and depict all relevant features. The chart includes a selection of aerodromes, significant obstacles, elements of ATS system, special activities areas, radio navigation aids and etc. The chart provides the information to satisfy visual air navigation and also used as a pre-flight planning chart.

Note. – This chart does not form part of the AIP of Georgia.

- m. Index Charts. Some parts of the AIP of Georgia are supplemented by index charts:
 - * AIRMET/GAMET areas Index Chart 1:2 500 000. This chart shows AIRMET sectors in the TBILISI FIR;
 - Radar coverage area Index Chart 1:2 500 000. This chart shows the graphic portrayal of radar coverage area at the different flight levels in the TBILISI FIR;
 - Prohibited, Restricted, Military exercise and Training areas Index Chart 1:2 200 000. This chart is
 produced for the entire TBILISI FIR. The aeronautical data include in compendious form all Prohibited, Restricted,
 Military exercise and Training areas as listed under subsections ENR 5.1, ENR 5.2;
 - Bird Migration Routes Index Chart 1:2 500 000. This chart shows the major directions of the bird migration, main migration corridors and bird concentration in the TBILISI FIR and on aerodromes;
 - Bird Concentrations and Movement Index Chart. This chart shows the bird concentrations in the vicinity of an aerodrome;
 - Free Route Airspace Index Chart 1:1 500 000. This chart shows South Caucasus cross border Free Route Airspace within TBILISI FIR;
 - En-route ATC Surveillance Minimum Altitude Chart Index Chart 1:1 500 000. This supplementary chart provides information that will enable flight crews to monitor and cross-check altitudes assigned while under radar control within TBILISI CTA.

Title of series	Scale	Name and/or number		Price (\$)
Aerodrome Chart – ICAO	1:12 500	TBILISI/Tbilisi	AD 2.UGTB-ADC	
	1:15 000	KUTAISI/Kopitnari	AD 2.UGKO-ADC	
		BATUMI	AD 2.UGSB-ADC	
	1:6 000	MESTIA	AD 2.UGMS-ADC	
		NATAKHTARI	AD 2.UGSA-ADC	
		AMBROLAURI	AD 2.UGAM-ADC	
	1:9 000	TELAVI	AD 2.UGGT-ADC	
Aircraft Parking and Ground Movement Chart – ICAO	1:8 000	TBILISI/Tbilisi	AD 2.UGTB-APGMC	
Aerodrome Obstacle Chart -	1:35 000	TBILISI/Tbilisi	AD 2.UGTB-AOC-A	
ICAO –Type A	1:20 000	BATUMI	AD 2.UGSB-AOC-A	
En-route Chart – ICAO	1:1 500 000	Conventional navigation Routes	ENR 6-3	
		Area navigation (RNAV) Routes	ENR 6-5	
Prohibited, Restricted, Military exercise and training areas Chart – Index chart	1:2 200 000	Georgia	ENR 6-7	
Bird Migration Chart – Index	1:2 500 000	Bird Migration Routes (Spring)	ENR 6-9	
chart		Bird Migration Routes (Autumn)	ENR 6-11	
Area Chart - ICAO	1:700 000	TBILISI/Tbilisi TMA	AD 2.UGTB-ARC	
		KUTAISI/Kopitnari TMA	AD 2.UGKO-ARC	

5 List of aeronautical charts available

Title of series	Scale	Name and/or number		Price
Standard Departure Chart -	1.200 000	TBII ISI/Thilisi		(Ψ)
Instrument (SID) – ICAO	1.000 000	LIGTB BNAV BWY13B	AD 2 LIGTB-SID-BNAV-13B-1	
			AD 2 LIGTB-SID-BNAV-31L-1	
			AD 2 LIGTB-SID-138/311 -1	
		KIITAISI/Kopitpari	AD 2.0010-010-101001E-1	
			AD 2.00KO-3ID-25	
		1A, SARPI 1A)	AD 2.0030-310-31-303ED	
		UGSB BWY31 (SABPL3A SABPL	AD 2 UGSB-SID-31	
		4A)		
Standard Arrival Chart -	1:550 000	TBILISI/Tbilisi		
Instrument (STAR) – ICAO		UGTB RNAV RWY13R	AD 2.UGTB-STAR-RNAV-13R	
		UGTB RNAV RWY31L	AD 2.UGTB-STAR-RNAV-31L	
	1:500 000	KUTAISI/Kopitnari		
		UGKO RWY07-25	AD 2.UGKO-STAR-07-25	
		ВАТИМІ		
		UGSB RWY13	AD 2.UGSB-STAR-13	
Instrument Approach Chart -	1:500 000	TBILISI/Tbilisi		
ICAO		UGTB ILSy RWY13R	AD 2.UGTB-IAC-13R-ILSv	
		UGTB ILSy RWY31L	AD 2.UGTB-IAC-31L-ILSy	
		UGTB ILSz RWY13R	AD 2.UGTB-IAC-13R-ILSz-1	
		UGTB ILSz RWY31L	AD 2.UGTB-IAC-31L-ILSz-1	
		UGTB LOCV RWY13R	AD 2.UGTB-IAC-13R-LOCv	
		UGTB I OCV BWY31I	AD 2.UGTB-IAC-311 -I OCV	
		UGTB I OCZ BWY13B	AD 2.UGTB-IAC-13B-I OC7-1	
		UGTB I OCZ BWY31I	AD 2.UGTB-IAC-311 -I OCz-1	
		UGTB VOB BWY13B	AD 2 UGTB-IAC-13B-VOB	
		UGTB VOB BWY31	AD 2 UGTB-IAC-311 -VOB	
		KUTAISI/Konitnari		
		UGKO II S or LOC v BWY07	AD 2 LIGKO-IAC-07-ILS v	
		LIGKO ILS or LOC 7 BWY07	AD 2 LIGKO-IAC-07-ILS 7	
		LIGKO ILS or LOC v BWY25	AD 2 LIGKO-IAC-25-II S v	
		LIGKO ILS or LOC 7 BWY25	AD 2 LIGKO-IAC-25-ILS 7	
			AD 2 LIGKO-IAC-07-VOBy	
			AD 2 LIGKO-IAC-07-VOBz	
		UGKO VOR z BWY25		
		BATIMI		
	1.250 000	UGSB II S/DME or LOC BWY13	AD 2 LIGSB-14C-13-11 S	
	1.230 000	LIGSB NDB/DME BWY13 (CAT	AD2 LIGSB-IAC-13-NDB-AB	
		A,B)		
		UGSB NDB/DME RWY13 (CAT	AD2.UGSB-IAC-13-NDB-CD	
		C,D)		
ATC Surveillance Minimum	1:700 000	TBILISI/Tbilisi	AD 2.UGTB-ATCSMAC-1	
Altitude Chart – ICAO	1:700 000	KUTAISI/Kopitnari	AD 2.UGKO-ATCSMAC	
	1:500 000	BATUMI	AD 2.UGSB-ATCSMAC	
Visual Approach Chart - ICAO	1:300 000	TBILISI/Tbilisi	AD 2.UGTB-VAC	
	1:500 000	KUTAISI/Kopitnari	AD 2.UGKO-VAC	
		BATUMI	AD 2.UGSB-VAC	
	1:200 000	AMBROLAURI	AD 2.UGAM-VAC	
		MESTIA	AD 2.UGMS-VAC	
		NATAKHTARI	AD 2.UGSA-VAC	
		TELAVI	AD 2.UGGT-VAC	
Aeronautical Chart – ICAO*	1:500 000	Georgia 2020 Edition	2324BC2325AD	

Title of series	Scale	Name and/o	r number	Price (\$)
AIRMET/GAMET areas - Index Chart	1:2 500 000	AIRMET/GAMET areas	GEN 3.5-7	
Radar coverage area - Index Chart	1:2 500 000	Graphic portrayal of SSR	ENR 1.6-3	
Onart			ENR 1.6-5	
			ENR 1.6-9	
Bird Concentrations and	1:60 000	TBILISI/Tbilisi	AD 2.UGTB-BIRD	
Movement – Index Chart	1: 15 000	KUTAISI/Kopitnari	AD 2.UGKO-BIRD	
	1:20 000	BATUMI	AD 2.UGSB-BIRD	
	1: 10 000	AMBROLAURI	AD 2.UGAM-BIRD	
Free Route Airspace - Index Chart	1:1 500 000	Free Route Airspace South Caucasus (FRASC)	ENR 6-13	
En-route ATC Surveillance Minimum Altitude Chart – Index Chart	1:1 500 000	En-route ATC Surveillance Minimum Altitude Chart	ENR 6-15	

Those chart series marked by an asterisk (*) do not form part of the AIP of Georgia.



6 Index to the Aeronautical Chart — ICAO 1: 500 000

7 Topographical charts

To supplement the aeronautical charts, a wide range of topographical charts is available from: Post:

Geodesy and Geo Information Department of National Agency of Public Registry 2, Sanapiro Str. Tbilisi, Georgia Tel: (+995 32) 225 15 28 Fax: (+995 32) 225 15 28 AFS: NIL Email: info@napr.gov.ge URL: https://napr.gov.ge/

8 Corrections to charts not contained in the AIP

Charts	Location	Corrections
Aeronautical Chart - ICAO 1: 500 000		2020 Edition WEF 03 DEC 2020 The publication
Georgia 2324BC2325AD		of this issue invalidates the previous issue
	Tbilisi TMA	New TMA
	Tbilisi CTR	New CTR
	Tbilisi UGTB	Tbilisi AD Elevation 1578 FT
	Tbilisi TMA	New significant point BAZIK added 412741.5N 0450335.1E
	Tbilisi TMA	New significant point DANQI added 415611.3N 0443640.5E
	Tbilisi TMA	New significant point GEMNA added 413134.7N 0451503.4E
	Tbilisi TMA	New significant point LATVA added 414900N 0443445E
	Tbilisi TMA	New significant point NAMME added 415308.8N 0444033.6E
	Tbilisi TMA	New significant point NATIP added 413107.6N 0450825.5E
	Tbilisi TMA	New significant point PALLE added 412835N 0441925E
	Tbilisi TMA	New significant point UDVIN added 415717.3N 0444622.9E
	Tbilisi TMA	New significant point ZAGOT added 414706N 0440811E