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*. 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 maps and charts 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 annually, 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 23
Fax: (+995 32) 274 42 23
AFS: UGTBYOYX

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;
l. 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.

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.

d. *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.

l. *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.

5 List of aeronautical charts available

Title of series	Scale	Name and/or number		Price ($)
Aerodrome Chart – ICAO	1:15 000	**TBILISI/Tbilisi**	AD 2.UGTB-ADC	
		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	1:5 000	**TBILISI/Tbilisi**	AD 2.UGTB-APGMC	
Aerodrome Obstacle Chart – ICAO –Type A	1:40 000	**TBILISI/Tbilisi**	AD 2.UGTB-AOC-A	
	1:20 000	**BATUMI**	AD 2.UGSB-AOC-A	
En-route Chart – ICAO	1:1 500 000	**Lower ATS Routes**	ENR 6-3	
		Area navigation (RNAV) Route	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 chart	1:2 500 000	**Bird Migration Routes (Spring)**	ENR 6-9	
		Bird Migration Routes (Autumn)	ENR 6-11	
Area Chart – ICAO	1:1 000 000	**TBILISI** TMA	AD 2.UGTB-ARC	
		KUTAISI/Kopitnari TMA	AD 2.UGKO-ARC	
Standard Departure Chart – Instrument (SID) – ICAO	1:500 000	**TBILISI/Tbilisi**		
		UGTB RWY13R	AD 2.UGTB-SID-13R	
		UGTB RWY31L	AD 2.UGTB-SID-31L	
		KUTAISI/Kopitnari		
		UGKO RWY07	AD 2.UGKO-SID-07	
		UGKO RWY25	AD 2.UGKO-SID-25	
		BATUMI		
		UGSB RWY31 (NEDEK 1A, SOSED 1A, SARPI 1A)	AD 2.UGSB-SID-31-SOSED	
		UGSB RWY31 (SARPI 3A, SARPI 4A)	AD 2.UGSB-SID-31	

Title of series	Scale	Name and/or number		Price ($)
Standard Arrival Chart – Instrument (STAR) – ICAO	1:500 000	**TBILISI/Tbilisi**		
		UGTB RWY13R	AD 2.UGTB-STAR-13R	
		UGTB RWY31L	AD 2.UGTB-STAR-31L	
		KUTAISI/Kopitnari		
		UGKO RWY07-25	AD 2.UGKO-STAR-07-25	
		BATUMI		
		UGSB RWY13	AD 2.UGSB-STAR-13	
Instrument Approach Chart – ICAO	1:500 000	**TBILISI/Tbilisi**		
		UGTB ILS/DME or LOC RWY13R	AD 2.UGTB-IAC-13R-ILS	
		UGTB ILS/DME or LOC RWY31L	AD 2.UGTB-IAC-31L-ILS	
		UGTB VOR/DME RWY13R	AD 2.UGTB-IAC-13R-VOR	
		UGTB VOR/DME RWY31L	AD 2.UGTB-IAC-31L-VOR	
		KUTAISI/Kopitnari		
		UGKO ILS/DME or LOC y RWY07	AD 2.UGKO-IAC-07-ILS y	
		UGKO ILS/DME or LOC z RWY07	AD 2.UGKO-IAC-07-ILS z	
		UGKO ILS/DME or LOC y RWY25	AD 2.UGKO-IAC-25-ILS y	
		UGKO ILS/DME or LOC z RWY25	AD 2.UGKO-IAC-25-ILS z	
		UGKO VOR/DME y RWY07	AD 2.UGKO-IAC-07-VORy	
		UGKO VOR/DME z RWY07	AD 2.UGKO-IAC-07-VORz	
		UGKO VOR/DME y RWY25	AD 2.UGKO-IAC-25-VORy	
		UGKO VOR/DME z RWY25	AD 2.UGKO-IAC-25-VORz	
		BATUMI		
	1:250 000	UGSB ILS/DME or LOC RWY13	AD 2.UGSB-IAC-13-ILS	
		UGSB NDB/DME RWY13 (CAT A,B)	AD2.UGSB-IAC-13-NDB-AB	
		UGSB NDB/DME RWY13 (CAT C,D)	AD2.UGSB-IAC-13-NDB-CD	
ATC Surveillance Minimum Altitude Chart – ICAO	1:500 000	**TBILISI/Tbilisi**	AD 2.UGTB-ATCSMAC	
	1:700 000	**KUTAISI/Kopitnari**	AD 2.UGKO-ATCSMAC	
	1:500 000	**BATUMI**	AD 2.UGSB-ATCSMAC	
Visual Approach Chart – ICAO	1:500 000	**TBILISI/Tbilisi**	AD 2.UGTB-VAC	
		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 2017 Edition**	2324BC2325AD	
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 coverage area**	ENR 1.6-3 ENR 1.6-5 ENR 1.6-7 ENR 1.6-9	
Bird Concentrations and Movement – Index Chart	1: 60 000	**TBILISI/Tbilisi**	AD 2.UGTB-BIRD	
	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	

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 Georgia 2324BC2325AD		2017 Edition WEF 30 MAR 2017 The publication of this issue invalidates the previous issue

Consult ENR 5.4 and NOTAM for latest changes concerning En-route air navigation obstacles.

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