GEN 3.2 Aeronautical charts

1 Responsible services

1.1 The Aeronautical Information Service of the Republic of Armenia provides a wide range of aeronautical charts for use by all types of civil aviation. The Aeronautical Information Service produces the charts which are part of the AIP; all other aeronautical charts are produced by the Department of Surveys. Charts, suitable for pre-flight planning and briefing, selected from those listed in the *ICAO Aeronautical Chart Catalogue* (Doc 7101), are available for reference at aerodrome AIS units. (Their addresses can be found under para. 3 below.) 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 Amendments and are listed under 8. of this subsection. Information concerning the planning for or issuance of new maps and charts is notified by Aeronautical Information Circular.

2.2 Incorrect information, detected on published charts, are corrected by NOTAM, if they are of operational significance.

3 Purchase arrangements

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

Post:
Aeronautical Information Service
Closed Joint-Stock Company “ARMATS”
Yerevan 0042, I.Gasparyan 33
Republic of Armenia
Tel:+37410 292929/391
AFS:UDDDYOYX
Email: publication@armats.am

3.2 The Aeronautical Information Service has copies of the *ICAO Aeronautical Chart Catalogue* (Doc 7101) where all aeronautical charts or chart series produced by this and other countries are listed, and known to be generally available to civil aviation.

4 Aeronautical chart series available

4.1 The following series of aeronautical charts are produced:

a. Aeronautical Chart — ICAO 1:500 000;
b. Aerodrome Chart — ICAO;
c. Aerodrome Ground Movement Chart — ICAO;
d. Aircraft Parking/Docking Chart — ICAO;
e. Aerodrome Obstacle Chart — ICAO — Type A (for each runway);
f. Precision Approach Terrain Chart — ICAO (precision approach Cat II and III runways);
g. Enroute Chart — ICAO;
h. Area Chart — ICAO;
i. ATC Surveillance Minimum Altitude Chart — ICAO;
j. Standard Departure Chart — Instrument (SID) — ICAO;
k. Standard Arrival Chart — Instrument (STAR) — ICAO;
l. Instrument Approach Chart — ICAO (for each runway and procedure type);
m Visual Approach Chart — ICAO.

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

4.2 General description of each series

a. *Aeronautical Chart — ICAO 1:500 000* The aeronautical data shown have been kept to a minimum, consistent with the use of the chart for visual air navigation. It includes a selection of aerodromes, significant obstacles, elements of the ATS system, prohibited, restricted and danger areas, and radio navigation aids. The chart provides information to satisfy visual air navigation and is also used as a pre-flight planning chart.
b. *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;

and helicopter movement:

- from the helicopter stand to the touchdown and lift-off area and to the final approach and take-off area;
- from the final approach and take-off area to the touchdown and lift-off area and to the helicopter stand;
- along helicopter ground and air taxiways; and
- along air transit routes.

It also provides essential operational information at the aerodrome.

c. *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.

d. *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.

e. *Aerodrome Obstacle Chart* — ICAO — Type A (operating limitations). This chart contains detailed information on obstacles in the take-off flight path areas of aerodromes. It is shown in plan and profile view. This obstacle information, in combination with an Obstacle Chart — ICAO — Type C, provides the data necessary to enable an operator to comply with the operating limitations of ICAO Annex 6, Parts I and II, Chapter 5.

f. *Precision Approach Terrain Chart* — ICAO. This chart provides detailed terrain profile information within a defined portion of the final approach so as to enable aircraft operating agencies to assess the effect of the terrain on decision height determination by the use of radio altimeters. This chart is produced for all precision approach Cat II and III runways.

g. *En-route Chart* — ICAO. This chart is produced for the entire YEREVAN FIR. The aeronautical data include all aerodromes, prohibited, restricted and danger areas and the air traffic services 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.

h. *Area Chart* — ICAO. This chart is produced when the air traffic services 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.

i. *ATC Surveillance Minimum Altitude Chart* — ICAO. This chart provides information which will enable flight crews to monitor and cross-check altitudes assigned by a controller using an ATS surveillance system.

j. *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.

k. *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.

l. *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, aerodrome operating minima, 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.

m. *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.

5 List of aeronautical charts available

Title of series	Scale	Name and/or number	Price ($)	Date
Aerodrome Chart – ICAO (AC)	1: 30 000	Yerevan/Zvartnots		
	1: 25 000	Gyumri/Shirak		
	1: 20 000	Yerevan/Erebuni		
Aerodrome Ground Movement And parking Chart-ICAO	Not to scale	Yerevan/Zvartnots		
		Gyumri/Shirak		
		Yerevan/Erebuni		
Instrument Approach Chart – ICAO (IAC)		Yerevan/Zvartnots		
	1:300 000	UDYZ ILS/DME 09		
	1:300 000	UDYZ DVOR/DME 09		
	1:300 000	RNP RWY 09 (LNAV/VNAV)		
	1:300 000	RNP Z RWY27 (LNAV only)		
	1:250 000	RNP Y RWY27 (LNAV only)		
		Gyumri/Shirak		
	1:300 000	UDSG ILS 02		
	1:300 000	UDSG DVOR DME 02		
	1:400 000	RNP RWY 20 (LNAV/VNAV)		
	1:400 000	RNP RWY 02 (LNAV/VNAV)		
		Yerevan/Erebuni		
	1:300 000	UDYE NDB 03		
Aerodrome Obstacle Chart – ICAO TYPE A (AOC)	1: 20 000	Yerevan/Zvartnots		
	1: 20 000	Gyumri/Shirak		
	1: 20 000	Yerevan/Erebuni		
Precision Approach Terrain Chart - ICAO (PATC)		Yerevan/Zvartnots		
	1: 5000	UDYZ PATC 09		
AREA CHART-ICAO	1:600 000	Yerevan TMA		
	1:400 000	Gyumri/Shirak TMA		
	1:600 000	Yerevan/Erebuni TMA		
ATC Surveillance Minimum Altitude Chart — ICAO	1: 600 000	Yerevan TMA (UDYZ)		
Visual Approach Chart - ICAO	1:200 000	Yerevan/Zvartnots UDYZ 09/27		
	1:200 000	Yerevan/Erebuni UDYE 03/21		
Standard Departure Chart - Instrument – ICAO (SID)		Yerevan/Zvartnots		
	1: 600 000	RNAV1 (GNSS) RWY 09		
	1: 600 000	RNAV1 (GNSS) RWY 27		
		Gyumri/Shirak		
	1:250 000	RNAV1 (GNSS) RWY 02		
	1:250 000	RNAV1 (GNSS) RWY 20		
		Yerevan/Erebuni		
	1:600 000	RNAV1 (GNSS) RWY 21		
Standard Arrival Chart - Instrument – ICAO(STAR)	1:600 000	UDYZ STAR 09		
	1:600 000	UDYZ STAR 27		
		Gyumri/Shirak		
	1:250 000	RNAV1 (GNSS) RWY 20		
		Yerevan/Erebuni		
	1:600 000	RNAV1 (GNSS) RWY 03		
Circle-To-Land	1:150 000	UDYZ RWY 27		
	1:150 000	UDSG RWY 20		
En-route Chart – ICAO	1:1 000 000			
Aeronautical Chart — ICAO	1:500 000			

Aeronautical Chart — ICAO 1:500 000 is the official aeronautical chart, according to ICAO Annex 4 chapter 17. This chart is not contained in the AIP Armenia and may be purchesed from:

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Aeronautical Information Service
Closed Joint-Stock Company “ARMATS”
Yerevan 0042 , I.Gasparyan 33
Republic of Armenia
Tel:+37410 292929/391
AFS:UDDDYOYX
Email:ais@armats.am

6 Index to the World Aeronautical Chart (WAC) — ICAO 1:1 000 000

To be developed.

7 Topographical charts

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

Post:
“Geodetic and Charting center”
Closed Joint-Stock Company
Komitas 35/2 Yerevan Armenia
Tel:+37410 325449

8 Corrections to charts not contained in the AIP

NIL