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AIC
A 07/07
10 JUL 07

REPUBLIC OF ARMENIA
GENERAL DEPARTMENT OF CIVIL AVIATION

**START OF OPERATION OF THE EUROCONTROL EUROPEAN AIS DATABASE (EAD) IN
REPUBLIC OF ARMENIA AND INFORMATION ON THE EAD FOR CLIENTS, USERS AND
SERVICE PROVIDERS.**

AIC Effective date 27 SEP 2007.

1 INTRODUCTION

This Aeronautical Information Circular (AIC) is issued to provide information about the current implementation status of the European AIS Database (EAD) and to provide advance notice for planned migration of AIS of Armenia throughout the ICAO European (EUR) Region.

2 GENERAL

2.1 THE EUROCONTROL EUROPEAN AIS DATABASE (EAD)

With the aim of improving and harmonizing the procedures and delivery of the aeronautical data in Europe, EUROCONTROL member states have decided to establish one central European AIS Database (EAD). This centralized database will provide clients with validated dynamic and static aeronautical data.

The objective is the delivery of high-quality aeronautical information to the European aviation community and the national air traffic services provider. The EAD will contribute to the Agency's major Strategic Objectives and, in particular, to safety, economics, uniformity and quality.

The European Aeronautical Services (AIS) Database (EAD):

- operates a reference database of quality- assured aeronautical information from the ECAC Area and World-wide;
- provides a full integrated AIS solution for providers and users of aeronautical information;
- gives immediate access to digital Aeronautical Information.

The EAD is owned by Eurocontrol on behalf of its Member States and operated by Eurocontrol. A Service Provider company is operating the EAD on behalf of Eurocontrol.

2.2 THE BENEFITS

The main benefit is: "One single source of European Aeronautical Information". Specific benefits are identified for:

Safety – Improved data quality:

- ICAO standards, OPADD, SDP, AICM/AIXM applied;
- Less reliance on human processing;
- Increased data integrity once it is input in EAD by the data provider;
- Increased data coherence through validation checks;
- Automated processes between applications;
- Timely distribution of aeronautical information.

Availability/ Accessibility:

- Built-in redundancy with high availability;
- One single point of access;
- Easy retrieval of data for all clients.

2.3 GENERAL IMPLEMENTATION

The operation has started on 6th June 2003 and the migration of national services providers and users is gradually progressing.

The current migration status of ECAC Member States can be found on the website:

<http://www.ead.eurocontrol.int>

3. IMPLEMENTATION – AIS OF ARMENIA

Aeronautical Services provided by AIS of Armenia as national provider of EAD (Static and Dynamic Aeronautical Information), remaining responsible for inserting, maintaining and correcting national data in the context of a systemwide framework of information management, centralized in EAD, improved developments to achieve:

- Higher quality and accuracy of Aeronautical Information products
- Innovative ways of producing and distributing AIS publications and products
- Higher level of diversified, tailored and customer focused products

3.1 MIGRATION STATUS OF THE AIS OF ARMENIA

Armenia has fully migrated into EAD as Data User from 10th may 2007.

Armenia migrates into EAD as PAMS Data Provider on 27th Sep 2007.
Armenia migrates into EAD as minimum SDO Data Provider on 27th Sep 2007.
Armenia migrates into EAD as INO Data Provider on 1st October 2007.
Migration as eAIP Data Provider is planned for 2008.

4. AIS Responsibilities

AIS Armenia as Data Provider (DP) will be responsible for:

- Entering and managing Static Data in the EAD (SDO DP)
- Publishing AIP, AIP Amendments, AIP Supplement, AICs and Charts (AIP and Chart Data Provider)
- Managing the electronic library with AIP, AIP Amendments, AIP Supplement, AICs and Charts (PAMS DP)
- Creating and publishing national dynamic aeronautical information (NOTAM) through EAD (INO DP).

The EAD Services perform coherence checking of the data in order to assure users a consistent view and retrieval of data. AIS of Armenia maintains intellectual property rights and control of the data for which it is responsible.

4.1 Aerodrome Reporting Offices- ARO

Customers of ARO can obtain EAD products through ARO units of International Airports, connected directly to EAD database as EAD Data Users.

The ECIT DU allows customers to:

- Retrieve static data
- Retrieve world-wide validated NOTAM
- Browse through and download AIP, AIP Amendments, AIP Supplements, AIC and Charts from ECAC states, contained in the EAD AIP/ Charts library
- Retrieve Pre-Flight Information Bulletins (PIB) – world-wide coverage.

4.1.1 Several types of PIB can be produced:

Aerodrome PIB

Aerodrome type bulletins consist of NOTAM and SNOWTAM, containing information on facilities, services and procedures related to aerodromes or aerodromes vicinity.

Area PIB

Area or FIR type bulletins consist of NOTAM and SNOWTAM containing information on facilities, services and procedures related to FIRs. The Area PIB can be restricted to special area defined by a Restricted Airspace or Centre Point and radius (TMA, CTR, Prohibited, restricted and Danger areas, Geographic coordinates, navaids, significant points etc).

Route PIB

Route type bulletins consist of NOTAM and SNOWTAM containing information on facilities, services and procedures related to FIRs and aerodromes situated in selected FIR.

Narrow Route PIB

The Narrow Route type bulletins consist of NOTAM, related only to a narrow path defined by route description, FL and width of the path. Route descriptions consist of aerodromes of departure (ADEP) and destinations (ADES), significant points, coordinates and airways.

4.1.2 Management and services

Management of Profiles

The system provides the possibility of storing and reusing selection criteria for the creation of PIB. This is useful for PIB that must be retrieved on a regular basis. Profiles are constantly checked (validated) against the SDO database.

Management of Routes

The system provides the possibility of creating and administering routes that can be used for the generation of a narrow route PIB. Routes are checked (validated) against the SDO database.

Scheduling

It is possible to schedule PIB retrieval. A certain schedule can be stored together with a Profile and can be retrieved via email.

Update Service

The “Update” Service allows receiving update information related to a PIB for an extra period of time after original PIB generation. The “Update” Service type includes only new NOTAMN and NOTAMR/NOTAMC

crossed to the original PIB information. Subscription to the “Update” service is possible only if a full PIB was generated previously. Update service can also be retrieved by email.

The Aerodrome Reporting Offices are prepared to save and manage operators’ preferences and deliver all AIS products to an email address.

4.1.3 AIS customers are invited to request scheduled PIB and “Update” service based on specific filters criteria (profile), to be delivered by email or to be picked-up at the ARO where the request is submitted.

These products are obtained on a prior request basis addressed to the ARO.

The request shall mention the following data:

- Aircraft Identification
- Pick-up time
- Email address (if automatic delivery is required)
- ADEP
- EOBT
- ADES
- ALTN
- ETA
- Maximum FL en route (first FIR, other, last FIR)
- FPL route and width path (if Narrow route is requested and width path different than 20NM)
- Update Service validity (if requested).

The request shall be addressed to:

AIS Armenia to UDYZZPZX or by Fax: +37410 284916 or by email aro@armats.com.

4.2 NOTAM DISTRIBUTION

The International NOTAM Office (NOF) creates NOTAM directly to EAD via a dedicated network. NOTAM distribution is performed by EAD, using AFTN originator address EUECYIYN, according to a distribution list maintained by International NOTAM office of Armenia. Requests to be included in NOTAM distribution list shall be addressed to UDDDYNYX by AFTN or by fax to +37410 284916, or by email to notam@armats.com.

5. IMPLEMENTATION DATE

27-SEP-2007

6. FURTHER INFORMATION

Information and implementation details of the EAD can be found on the following websites:

- EAD Agency website: <http://www.eurocontrol.int/ead>
- EAD operational website: <http://www.ead.eurocontrol.int/>

Reference documents can be found and downloaded from the EAD Agency website.

The access to the EAD Public Users functionality can be done from the EAD operational website.

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