



International Civil Aviation Organization

**The Twentieth Meeting of the APANPIRG ATM/AIS/SAR Sub-Group
(ATM/AIS/SAR/SG/20)**

Singapore, 05 – 09 July 2010

Agenda Item 8: Review developments relating to CNS/ATM implementation

AIS TO AIM ACTIVITIES IN MONGOLIA

(Presented by Mongolia)

SUMMARY

This paper presents recent activities in Mongolia with respect to the transition from aeronautical information services (AIS) to aeronautical information management (AIM).

1. INTRODUCTION

1.1 AIS division forms a part of the Air Navigation Service Department. It was established in November 2002 as a unit responsible for providing aeronautical information services according to the Annex 15, production of charts according to Annex 4 and ATS Reporting Office according to Annex 2.

1.2 Currently, AIS Mongolia has 50 employees. It consists of 3 sections which are NOTAM, AIP and Safety and Quality Assurance. The management team includes AIS Director, AIS Deputy Director and 3 AIS Managers.

- NOTAM Section is operational 24/7 and responsible for providing NOTAM, pre-flight information and ARO.
- AIP is operational Monday to Friday, 8 AM to 5 PM and responsible for the provision of AIP, AIRAC and non-AIRAC Amendments, AIP Supplements and AIC.
- Safety and Quality Assurance Section is responsible for maintaining Quality Management System and ensuring quality control for the purpose of continual improvement of AIS operations and the quality of aeronautical information services.

1.3 AIS Mongolia was issued MNS ISO 9001:2001 Certificate in 2009 for successfully implementing Quality Management System.

2. LATEST ACCOMPLISHMENTS

2.1 AIS Mongolia has implemented eAIS and eAIP systems of Avitech AG of Germany since 2007 and automated its pre-flight information bulletin service, ATS message service, NOTAM service and aeronautical information publication service. These systems comply with AIXM 3.3 data exchange model recommended by ICAO.

2.2 New issue of Aeronautical Information Publication of Mongolia, which is produced automatically from the eAIP system, will be effective on 29 July 2010 replacing previous AIP Mongolia and AIP Mongolia (Domestic Airports). The AIP structure is changed from 2 volumes to 1 volume, the paper size from A5 to A4. We have also taken this opportunity to revise and correct some of the general information and layouts. The electronic version is also available through AIS website with user name and password.

2.3 For some type of NOTAMs which can be better understood graphically, we prepare 2D graphic NOTAMs using Corel Draw and AutoCAD and provide flight crews in PIB. They are also provided in PDF format on the internet.

2.4 In order to improve the quality of service and to ensure comprehension to the users 3D NOTAM based on Google earth is provided. It's used for verbal briefing and is available through AIS website. This process is created manually. We search for further improvements.

2.5 New AIS website is in the development stage and we are still working on ways to improve it. Purpose of the website is to provide our users with the online source of latest aeronautical information. Whenever temporal change occurs it is made available on the website. The new website is also used as an internal information network for the AIS staff. For instance, all documented standards, procedures and guidance materials to comply with are provided and latest information regarding what the organization has done and tasks assigned to the personnel are published in the part of website that requires user name and password.

3. STRATEGIC PLAN

3.1 Extend the eAIS and eAIP systems with:

- Aeronautical charting functionality (eMAP)
- Terrain and obstacle data management (eTOD, eODB)
- Internet self-briefing
- Automatically created 2 D and 3D NOTAMs t

4. ACTION BY THE MEETING

4.1 This meeting is invited to:

- a) note the information contained in this paper;
- b) to share experience with the countries in matters related to the implementation of AIM; and
- c) get professional guidance for the planned actions.

.....