

**INTER-OFFICE MEMORANDUM**

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3 November 2008

To: D/ANB

Cc: C/MET/AIM  
A/C/PCO

From: ICAORD, Cairo

Subject: **Executive Summary of the Middle East Aeronautical Information Management Seminar (MID AIM Seminar) (Cairo, Egypt, 21-23 October 2008)**

Please find attached copy of the Executive Summary of the Middle East Aeronautical Information Management Seminar (MID AIM Seminar) which was held in Cairo, Egypt, 21-23 October 2008.

Best regards,



M. Khonji

**Attachment**



*International Civil Aviation Organization*

**Middle East Aeronautical Information Management Seminar  
(MID AIM Seminar)**

*(Cairo, Egypt, 21-23 October 2008)*

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## **EXECUTIVE SUMMARY**

### **1. INTRODUCTION:**

1.1 The MID AIM Seminar has been successfully held in Cairo from 21 to 23 October 2008. 53 participants from 16 States, 3 International Organizations and 1 Commercial Data House have attended the seminar (List of Participants attached). The seminar was hosted by the Egyptian National Air Navigation Services Company (NANSC). It was moderated by Mr. Mohamed Smaoui, RO/AIS/MET, ICAO MID Office and Mr. Manfred Unterreiner, Chairman AIS Operations Subgroup, AIM, EUROCONTROL.

1.2 The seminar addressed different subjects related to the transition from AIS to AIM according to the following agenda:

1. Introduction
2. Setting the Scene/Drivers for change
  - ANC/11 and ATM Operational Concept
  - User Requirements, Single European Sky (SES)
3. Current Status of AIS
  - Global and Regional issues/developments
  - MID Regional AIS/MAP planning and implementation Status
4. Transition towards Aeronautical Information Management (AIM)
  - From Strategy to Implementation
5. AIM Opportunities & Enablers for Change
  - QMS and CHAIN
  - Training and Competency Management
  - eAIP
  - Data Modelling/Exchange (AICM/AIXM)
  - Digital NOTAM (xNOTAM)
  - EAD
  - eTOD and airport mapping
  - Emerging Technologies (GIS, 4D, Digital Data Link, etc).
6. Conclusions and closing session

- 1.3 The main objectives of the MID AIM Seminar were to:
- a) increase the level of awareness of States regarding the current shortcomings of AIS and the necessity to transit from the provision of AIS products to the interchange and management of aeronautical information in digital form;
  - b) provide States with a better understanding of the planning and implementation issues related to the transition from AIS to AIM; and
  - c) provide briefings related to international experiences, directions and advances being made in the field, in particular: QMS and CHAIN, AICM/AIXM, xNOTAM, EAD, eAIP, etc.

## 2. *SUMMARY OF DISCUSSIONS*

2.1 The seminar recognized the limitations of the current AIS, which do not meet the new global ATM system requirements envisioned by the ATM Operational Concept.

2.2 The need to support the global ATM system by establishing conditions for the provision, in real-time, of high quality aeronautical information to any airspace user, any time, anywhere, was re-iterated.

2.3 The seminar recalled and supported the Recommendations of the Global AIS Congress.

2.4 ICAO should take the lead in the development of the AIM Strategy/Roadmap and associated AIM SARPs and guidance material; and ensure that they are suitable for global use. Particularly, when defining the Roadmap for the transition from AIS to AIM, ICAO should establish clear milestones and related success criteria.

2.5 The Seminar noted with appreciation the establishment of the AIS-AIMSG and emphasized that States and international organizations should assist ICAO and contribute to the development of successful AIM SARPs, based on a partnership approach and sharing of experience and expertise. In particular, active contribution by the States is encouraged to support the work of the AIS-AIMSG considering that input would be coordinated through the Study Group Members or regional 'contact points'.

2.6 The Seminar recognized the urgent need for ICAO to develop SARPs and guidance material to enable the global exchange of data in digital format, i.e.: provision of a standard Aeronautical Information Conceptual Model and standard Aeronautical Information Exchange Model (AICM/AIXM).

2.7 The need to define appropriate means to allow the further evolution of the standard models in a managed and supportable manner was highlighted.

2.8 Legal and institutional issues as well as cost-recovery and copyright issues should be addressed.

2.9 Policy, regulations and human factors are critical components of AIM.

2.10 Performance goals for the transition from AIS to AIM need to be identified.

2.11 A common understanding of Global AIM in terms of vision, goals, functions and capabilities need to be developed. Milestones that are achievable and mechanisms for coordination and monitoring of progress need to be identified.

- 2.12 States can proceed at their own rate towards the common vision.
- 2.13 The achievement of current ICAO requirements is an essential foundation for the transition towards AIM and States need to take urgent action to achieve the requirements, in particular concerning the implementation of a QMS.
- 2.14 QMS is one of the most important pre-requisites for the transition from AIS to AIM and for a performance driven business.
- 2.15 Need for Quality and Implementation Monitoring “You can improve only what you measure”.
- 2.16 Urgent need for ICAO to develop the AIM QMS Manual.
- 2.17 The deliverables shared with and provided to the seminar e.g. the CHAIN solutions need to be exploited in order to enable increased supply of digital products/data.
- 2.18 Future AIM will have a series of implication on staff competency. A global training and competency management scheme shall be established and an ICAO AIM Training Manual has to be published, as a matter of urgency.
- 2.19 Projects like xNOTAM (Digital NOTAM) would be beneficial for the Civil Aviation Community only with a global effort.
- 2.20 Transition from AIS to AIM requires information management technologies that were not necessary for conventional AIS i.e.: UML, XML, GML, GIS, data link, etc.
- 2.21 Best use must be made of the Experience gained from the implementation of the EAD in the European Region. Participation of the MID States to the EAD would be very beneficial for the AIS Community to promote the availability, completeness and quality of aeronautical information, in a harmonized and cost-effective manner.
- 2.22 The ICAO Work Programme that supports the transition from AIS to AIM has been defined. However, much work has to be done and the timescales are very tight.
- 2.23 The importance of gathering AIM stakeholders and providing forums for discussion of planning and implementation issues related to the transition from AIS to AIM, was highlighted. In this regard, the Seminar recognized the importance for all stakeholders to attend the AIM Congresses (the upcoming AIM Congress will be held in Johannesburg, South Africa, 23-25 June 2009).
- 2.24 MID States were encouraged to host one of the AIM Congresses.
- 2.25 MID States were also encouraged to organize AIM Seminars, Workshops, awareness campaigns, etc.
- 2.26 The Seminar noted with concern the non-attendance of the end users representative Organizations (IATA and IFALPA).
- 2.27 The participants expressed their gratitude to ICAO for organizing such an important Seminar, to EUROCONTROL for their support and to Egypt for hosting the Seminar.



*International Civil Aviation Organization*

**Middle East Aeronautical Information Management Seminar  
(MID AIM Seminar)**

*(Cairo, Egypt, 21-23 October 2008)*

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### MID AIM Seminar Evaluation

