



**INTERNATIONAL CIVIL AVIATION ORGANIZATION**

**AFI PLANNING AND IMPLEMENTATION REGIONAL GROUP  
EIGHTEENTH MEETING (APIRG/18)  
Kampala, Uganda (27 – 30 March 2012)**

**Agenda Item 3.5: Aeronautical Information Management (AIM Matters)**

*(Presented by the Secretariat)*

**SUMMARY**

This Paper presents the Summary Report of the Regional (SIP) QMS for AIS/MAP Services Implementation Workshop, Second AFI e-TOD Working Group Meeting, and the First Meeting of the AFI AIM Implementation Task Force, pursuant to the implementation of Decision 17/87 of the APIRG/17 Meeting concerning planning for the transition from AIS to AIM, APIRG/17 Conclusion 17/92 concerning Development and Management of a National e-TOD Programme respectively, taking into account AFI RAN/8 Meeting Recommendations 6/11 and 6/25 which call for the complete implementation of WGS-84, e-TOD and the elimination of AIM deficiencies.

Action by APIRG/18 is contained in Paragraph 3.

**References :**

APIRG/17 – Report

AFI/8 RAN Report (Doc.)

AFI e-TOD WG/2 Meeting Report - Report of the Second Meeting (Dakar, 19 July 2011)

AFI AIM Implementation Task Force/1 – Report of First Meeting (Dakar, 20-22 July 2011)

ATM/AIM/SAR SG/12-REPORT

**Related ICAO Strategic Objective(s) A and C**

**1. INTRODUCTION**

1.1 The ATM/AIM/SAR SG/12 meeting convened in Dakar, Senegal from 25-29 July 2011, reviewed and took actions on the outcomes of the Regional (SIP) QMS for AIS/MAP Services Implementation Workshop, Second AFI e-TOD Working Group Meeting, and the First Meeting of the AFI AIM Implementation Task Force. The main objective of this meeting was to provide guidance to States, in accordance with the requirements of the AFI Air Navigation Plan, for the implementation of the above-mentioned APIRG/17 Conclusions and Decisions, AFI RAN/8 Meeting Recommendations and to provide efficiency and cost-effectiveness in the development of a standardized integrated and automated AFI AIM system in order to provide harmonized quality products and services to users.

**2. DISCUSSION**

*Quality Management Systems (QMS)*

2.1 The Sub-Group reviewed the outcomes of the Regional QMS for AIM Services Implementation Workshop and noted that the accomplishment of QMS in AIM Services would involve the following issues to be raised and understood by CAA Administrations: *High level mandates are a must; Misconception that ISO 9000 is equal to Paper; Management System (not a quality control system); Do it yourself; Cost (rules of thumb); 10% of Working Force would be*

*involved; External fees on consulting/training +Auditor; 18 months duration period; Note that all would do it again.*

2.2 The Sub-Group was apprised in detail on the process of QMS and noted the various benefits related safety, efficiency, cost management and customer satisfaction.

2.3 In view of the above the meeting adopted the following Draft Conclusion:

**DRAFT CONCLUSION 18/XX: QMS IMPLEMENTATION AND ESTABLISHMENT OF SERVICE LEVEL AGREEMENTS**

**That, in order to support the effective implementation of QMS, AFI States are urged to:**

- a) take firm commitment at the level of Directors General of CAA Administrations to implement QMS supported by ISO 9001:2008;**
- b) share their QMS implementation experience and support with other States; and**
- c) establish and maintain formal Service Level Agreements (SLA) between data originators and AIS Providers as per sample template at Appendix A related to e-TOD.**

2.4 With regard to outcome of the Second Meeting of the AFI Region Electronic Terrain and Obstacle Data Working Group (e-TOD WG/2) the Sub-Group reviewed and endorsed the proposed amendment of the AFI ANP (Doc 7474) to include the Draft FASID Table into the AFI FASID, Part VIII (AIS), and that subsequent to the meeting, the Secretariat carry out updates as necessary prior to circulating the amendment proposal. Accordingly, the Sub-Group adopted the following Draft Decision:

**DRAFT DECISION 18/XX: PROPOSAL FOR AMENDMENT TO THE AFI ANP (DOC 7474) ANP/FASID RELATED TO E-TOD**

**That, ICAO circulate and process the draft amendment proposal for the AFI ANP/FASID (Part V I I I ) at Appendix B and C related to e-TOD.**

2.5 The Sub-Group agreed that States should organize awareness campaigns and training events (workshops) involving all concerned personnel from within and outside the CAA in order to provide an overview of the technical, legal, institutional and financial issues related to e-TOD as well as of the actions that need to be taken in implementing e-TOD and to bring a high-level understanding of the associated topics. Accordingly, the meeting endorsed the following Draft Conclusion:

**DRAFT CONCLUSION 18/XX: AFI REGION E-TOD IMPLEMENTATION SEMINAR/WORKSHOP**

**That:**

- a) to ensure an efficient and harmonized implementation of e-TOD, ICAO assist AFI States at the National Level, and to the extent possible, co-operatively organize a Regional SIP Seminar/Workshop to raise awareness campaigns and training programs to promote and expedite the process of e-TOD implementation.**
- b) AFI States to participate actively in this Workshop.**

2.6 The Sub-Group then agreed that AFI States review the proposed AFI Region e-TOD implementation timelines under **Appendix D** and provide updates/comments to the ICAO WACAF and ESAF Regional Offices before 31 October 2011. It was then decided that APIRG will further review adopt the e-TOD implementation timelines as necessary for its inclusion as an Appendix in the APIRG/18 Report in accordance with Standard Procedure.

2.7 The Sub-Group reviewed the report of the First AFI Region AIM Implementation Task Force in accordance with the ICAO global ATM operational concept and the ICAO roadmap for the transition from AIS to AIM. The meeting noted that the AIM TF has developed performance goals for the transition from AIS to AIM in the AFI Region as listed in **Appendix E1 to E3**, reviewed the AIS parts of the AFI basic ANP/FASID, and further introduced/developed planning material related to the transition from AIS to AIM. The meeting noted the concerns of the AIM Task Force on the serious impact of unresolved deficiencies on safety.

2.8 The Sub-Group noted the AIS Parts of the AFI Basic ANP and FASID introduced/developed by the AIM Task Force as Planning material related to the transition from AIS to AIM. The meeting then endorsed the ANP material related to AIM, which was developed by the Secretariat based on the work carried out in other ICAO Regions listed in **Appendix F1 to F9**. The meeting then endorsed the following draft decision:

**Draft Decision 18/XX: Amendment of AFI Basic ANP and FASID with regard to Materials related to the Transition from AIS to AIM**

**That, ICAO circulates and process the AFI ANP/FASID (Doc 7474) amendment proposals for materials relating to the Transition from AIS to AIM at Appendix G and Appendix F1 to F9 for inclusion in the AFI Basic ANP and FASID.**

#### *AFI CAD*

2.9 The Sub-Group noted that following a review of the Action agreed by the Air Navigation Commission on 8 March 2011 (*ANC 186-6 refers*); the Commission noted that the transition in the AFI Region will benefit if a robust communication infrastructure exist. The Commission further called upon the Secretariat to support/monitor the transition of AIS to AIM through regional mechanism. The meeting then noted the proposal of South Africa, inviting AFI States to join the South African Regional AIS Database as an alternative to enhance the AIM implementation process within the AFI Region. The Sub-Group was further informed that ASECNA is planning to develop a Regional AIS Database to accommodate all the States in the Western and Central African Region.

#### *AIS-AIM Roadmap*

2.10 The roadmap indicates twenty-one steps in three Phases and AIS-AIMSG has been working to develop related SARPS and guidance materials to facilitate implementation in a worldwide harmonized manner. The meeting noted that some States have already achieved some steps in the roadmap. Some States established a national AIM implementation plan in accordance with the roadmap and, are advancing necessary action as planned. It was recognised that there might be a large gap between the States in the regions regarding an approach for AIM because of size of an organization or budget problem etc. However, it is important to share information of each State regarding AIM implementation and to consider how to provide further support in the regions. In view of the above, it was noted that the AIM Task Force would conduct a survey to assess the current status of AIM implementation of the States as per **Appendix H**. The meeting agreed that

States provide their National Plans related to the transition from AIS to AIM or as a minimum, a status report against the 21 steps of the ICAO Roadmap for the transition from AIS to AIM as listed in **Appendix I** prior to 31 October 2011.

*Contingency Plan NOTAM*

2.11 The meeting noted that as a consequence of the lessons learned by other regions and AFI AIM organisations regarding the need for harmonisation in management of NOTAM related to a volcano eruption events, the ICAO AIS/AIM Study group proposed that the ICAO guidance material be enhanced to include examples of a series of NOTAM related to the operational impact and limited access of airspace and routes affected by volcanic ash.

2.12 Finally the meeting endorsed the Contingency Plan NOTAM templates as per **Appendix J** which covers the following areas for: airspace warnings; airspace restrictions; aerodrome/heliport closure; route portion restriction/flight levels; recommended NOTAM codes for the relevant subject.

**3. ACTION BY THE MEETING**

**3.1** The meeting is invited to:

- a) note the information provided in this working paper;
- b) review and adopt the draft conclusions and decisions to enhance the AIM implementation process within the AFI Region and;
- c) review and agree on the Appendices under this paper for endorsement.

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