INTERNATIONAL CIVIL AVIATION ORGANIZATION

First Meeting of APIRG Infrastructure and Information Management Sub Group (IIM/SG/1)
(Nairobi, Kenya, 27-30 June 2017)

Agenda Item: 4 Planning and Implementation

4.2 Aeronautical Information Management

4.2.1   Aeronautical Information requirements in support to ATM provision

(Presented by Secretariat)

SUMMARY
This paper presents the Aeronautical Information Requirements in support of ATM Provision (AIM):
Action by the meeting is at paragraph 4:
REFRENCE(S): ▪ Doc 9750, *Global Air Navigation Plan* ▪ Doc 7474, *Air Navigation Plan — Africa-Indian Ocean Region* ▪ Report of AFI/RAN 7th meeting ▪ Report of SP AFI/RAN 8 Meeting ▪ Report on APIRG Meetings ▪ Report on the meeting for the establishment of the APIRG IIM Sub Group.
Related ICAO Strategic Objective(s): A – *Safety,* **B** – *Air Navigation Capacity and Efficiency,* **D** – *Economic Development of Air Transport, and* **E** – *Environmental Protection.*
Related ASBU KPIs & B0 Modules: All applicable to AIM, CNS and MET

1. **INTRODUCTION**

1.1   The APIRG meetings held generally every 18 months regularly reviews the status of implementation of the Air Navigation Plan in the area of navigation, identifies deficiencies related to aeronautical navigation and accordingly updates the regional navigation strategy with regards to the ATM new requirements.

2. **DISCUSSION**

The Meeting on the Establishment of the APIRG IIM/SG was held in Dakar, from 28 to 30 November 2016 including the future actions planned to be conducted for the operationalization of the IIM/SG.

2.1   The meeting reviewed the recent developments in the ICAO Global Air Navigation Plan (**GANP Doc 9750**) and Aviation Systems Block Upgrades (**ASBU**) Methodology as well as in the AFI Air Navigation Plan (**AFI ANP Doc 7474, AFI e-ANP**) and the AFI Plan of Action for the implementation of the ICAO ASBU Block 0 Modules.

2.3   The Meeting considered the AFI Air Navigation Priorities/Targets and the Projects Approach adopted by APIRG to identify and plan, Regional Projects in the above mentioned fields (**AIM, CNS, MET**), to be implemented based on the ICAO ASBU prioritized related modules selected by the AFI Region. The meeting then established balanced Projects Teams in the spirit of "*No country Left Behind*" and developed general guidelines (Roadmaps) for the conduct of the projects in order to ensure an effective coordinated planning, implementation, operation and monitoring.

3.   Global and Regional developments related to AIM and SWIM

Implementation of ASBU B0-DATM Elements under Service Improvement through Digital Aeronautical Information Management in Performance Improvement Area 2 (ASBU Methodology).

3.1   The ICAO AFI Regional Offices in Dakar and Nairobi worked, through the APIRG process in order to endorse proposals for inclusion of the dynamic Material constituted by the AIS/AIM facilities and services required for international air navigation to be contained in the AFI e-ANP Volume III at **Appendix-A**:

B0-DATM Implementation

3.2   B0-DATM (Service Improvement through Digital Aeronautical Information Management) as a priority 1 Module, is the initial introduction of digital processing and management of information, through AIS/AIM implementation, use of aeronautical information exchange model (AIXM), migration to eAIP and better quality and availability of data. For the purpose of performance monitoring and reporting, eight (8) elements have been included in the Draft AFI Regional Air Navigation Performance Target: *National AIM Implementation Plan/Roadmap, AIXM, eAIP, QMS, WGS-84, eTOD, inclusion of Digital NOTAM in National AIM Implementation Plan/Roadmap* and implementation of the SWIM Concept

3.3   The meeting may wish to recall that, the APIRG AFI-AIM Task Force with its Terms of Reference was the main Regional monitoring body for the collection of data related to the B0-DATM implementation in the AFI Region and the current main data collection mechanism on the implementation would be through the endorsed AIM Tables in the AFI e-ANP. It is also to be noted that, competent *Human Resource* and the *Financial Issues* are the most critical challenges faced by the States in the Transition from AIS to AIM

3.4   Performance Indicators/Supporting Metrics, Targets of the B0-DATM and status of their implementation, as reviewed by the AFI-AIM Task Force/3 meeting are detailed in **Appendix B1-1** for WACAF States and **B2-1** for ESAF States.

Methodology for reporting the progress related to the transition from AIS to AIM

3.5   The meeting may wish to recall that for the First Edition of the Global Air Navigation Report and the Regional Performance Dashboards, the implementation of 3 steps from Phase I of the ICAO Roadmap for transition from AIS to AIM (AIRAC, QMS and WGS-84) were monitored. It is to be highlighted that for the future Global Air Navigation Reports and necessary updates/upgrades of the Regional Performance Dashboards, the reporting on the progress achieved in the transition from AIS to AIM should cover not only Phase I, but also Phase II and eventually Phase III.

3.6   In connection with the above, a draft Methodology for reporting and assessing the progress related to the transition from AIS to AIM and its finalization/compliance criteria was developed, as at **Appendix C**. Based on the above, AFI States are urged **to** provide the ICAO ESAF and WACAF Regional Offices with their comments/inputs related to the Methodology and the Finalization/Compliance Criteria. The draft Methodology was also effectively coordinated by the ICAO HQ and other ROs to be used as a global framework for the Global Air Navigation Report for 2017-2018.

National AIM Implementation Roadmap/Plan

3.7   The meeting may wish to note that, as a follow-up the Report of the Third AFI AIM Implementation Task Force meeting agreed that focus in the AIM Transition should be on the implementation of phase II of the Roadmap for the transition from AIS to AIM as per **Appendix D** in excel format and note that States are encouraged to update it accordingly**.** AFI States are urged to provide updates to the ICAO ESAF and WACAF Regional Offices with their National AIM Implementation Roadmap as per **Appendix E**. Based on the Work plan and template endorsed by the Council, Regional Officer AIM Dakar in collaboration with the AFI AIM Task Force, populated the AIM part of the template (Part VII) of the AFI e ANP.

Aeronautical Information Management Regulatory & Oversight Group (AIMROG) Workshop (Kampala, Uganda, 21-– 22 May 2017)
IFAIMA 2017 Conference in Kampala, (Kampala, Uganda, 23-25 May 2017)

3.8   The focus of this meeting was to enforce a continuous work together in harmonizing regulations and oversight, including best practices, standards, performance metrics and the frameworks necessary to raise the level of visibility and the quality of aeronautical and information and related services where the ANSPs , industry, regulators, and oversight bodies would meet and share experiences and issues. This initiative supports and enhances the ICAO No Country Left Behind (NCLB) initiative by ensuring that No AIS Organisation in the AFI Region is left behind in the Global Transition process to AIM. This was the Theme of the IFAIMA 2017 Conference in Kampala, Uganda from 23-25 May 2017 as per the Summary Conclusions and Recommendations at **Appendix-F.**

3.9   In the light of the foregoing, the APIRG Information and Infrastructure Management Sub-Group is invited to endorse proposals for inclusion of the dynamic Material constituted by the AIS/AIM facilities and services required for international air navigation to be contained in the AFI e-ANP Volume III at **Appendix-A**, the contents of Volumes III of the AFI e-ANP be implemented by States as indicated in Para. 4.1. b i) and ii).
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4. **ACTION BY THE MEETING**

4.1   The IIM Sub-Group is invited to:

   a)   Note the information provided in this paper ; and

   b)   Discuss

      i.)   contents of the Draft e-ANP as per **Appendix-A;**
      ii.)   B0-DATM Enablers/Table of Proposal for inclusion in Volume III of AFI e- ANP/FASID: (Table B0-DATM 3-1-1 to Table B0-DATM 3-4-3) at **Appendix-A**

   c)   review and note the attached Summary Conclusions and Recommendations at **Appendix-F**;

   d)   Agree on further planning and implementation actions to be conducted.

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