

**INTERNATIONAL CIVIL AVIATION ORGANIZATION**
**Fourth Meeting of the APIRG Airspace and Aerodrome Operations Sub-Group  
(AAO SG/4), Virtual Meeting, 16 to 18 August 2021**

**Agenda Item 3:            Airspace (Safety, Capacity and Efficiency) projects.**

**Agenda Item 3.1        Planning and Implementation**

**REPORT OF THE AFI ATM MASTER PLAN PROJECT**

*(Presented by AAMP PMT)*

<b>SUMMARY</b>
<p>This Working paper presents project status of the AAMP-PMT (AFI ATM Master Plan - Project Management Team), under AAO-SG Airspace projects.</p> <p>The meeting is invited to take note of the project progress report, the development of the AFI ATM Vision 2045, future Concept of Operations and AFI ATM Master Plan. The meeting is further invited to assist the AAMP-PMT in proposing a mechanism to address the project challenges.</p> <p><b>Action by the meeting in paragraph 3.</b></p>
<p><b>REFERENCE(S):</b>            APIRG 22 Conclusion 22/35 – Establishment of the AFI Seamless ATM system.            AAO SG/3 Decision 3/02 – Establishment of AFI ATM Master Plan Project Management Team(AAMP-PMT).</p>
<p><b>Related ICAO Strategic Objective(s):</b>            Safety, Air Navigation Capacity and Efficiency, Economic Development of Air Transport and Environmental Sustainability.</p>

**1. INTRODUCTION**

- 1.1 The AAMP-PMT commenced with the task to develop the draft AFI ATM Vision 2045 and future Concept of Operations (CONOPS) and draft AFI ATM Master Plan following AAO-SG/3 meeting.
- 1.2 The latest draft AFI ATM Vision, CONOPS and Master Plan documents are attached as appendix A and B to this working paper.
- 1.3 The documents are being developed in support of the objective to establish a seamless AFI ANS system, ensuring regional ATM and Infrastructure planning, strategic implementation roadmap closely aligned with the following;
  - a) GATMOC
  - b) GANP, ASBU, BBB

- c) GASP
  - d) AAO-SG and IIM-SG Projects Implementation roadmap in collaboration with AFI States and regional Stakeholders.
- 1.4 AFI ATM Vision 2045, CONOPS and ATM Master Plan are developed incorporating key elements from regional entities, i.e. African Union (AU), Regional Economic Commissions (RECs), African Civil Aviation Commission (AFCAC) and Single African Air Transport Market (SAATM).

## **2. DISCUSSION**

- 2.1 In support of the APIRG objective, to foster the development of the AFI seamless ANS system, the AFI ATM Vision 2045, future Concept of Operations and AFI ATM Master Plan, will provide a regional ATM roadmap, considering key AAO-SG and IIM-SG projects planning and implementation in alignment with the development of the AFI Infrastructure strategy and technology roadmaps.
- 2.2 The AFI ATM Vision development has a 25-year strategic outlook objective, where the future concept of operations will consider technological disruptors and enablers of the AFI seamless ANS framework and developments within the adjacent ICAO regions. This strategic outlook is linked to the APIRG 23 conclusion 23/14 requirement for data collection for a 25-year traffic forecast.
- 2.3 The technological environment may fast pace the ever-changing ATM operational landscape and disruptors, where increasing demand/new type of demand including industry new business models, will inform the need for the development of an AFI ATM Vision and future concept of operations.
- 2.4 The AFI ATM Vision 2045, CONOPS and AFI ATM Master Plan document development efforts are approximately reaching 50% completeness, however there is still significant content review and refinement required to ensure achievement mature and AFI-centric products.
- 2.5 Participation in the project activities has been predominantly low since project inception. Majority of the milestones in line with the AAMP-PMT work programme remain outstanding, and due to the significantly low contribution, half of the project milestones have not been achieved.
- 2.6 In April of 2021, the two project tasks teams were amalgamated, mainly due to the challenges due to the low member participation in project activities including project meetings. The rationale being to support simultaneous documents development, and in support of the document content coordination and alignment objectives.
- 2.7 To support project team activity tracking and participation in the two project tasks, a steering team made up of six AAMP-PMT members was formulated. The steering team's main task being to coordinate and facilitate project activities and ensure that the undertaking is continuously developing towards maturity.
- 2.8 The steering team continue to make inroads, however it is impractical that the project will be completed timeously considering the looming end of August 2021 deadline.
- 2.9 AAMP-PMT recommends that the project deadline be reviewed, and an extension afforded to the team to allow work to continue and ensure that the project activities will lead to mature documents, befitting to be submitted to APIRG in line with APIRG 22 conclusion 22/35.

### **3. ACTION BY THE MEETING**

3.1 The meeting is invited to:

- a) Note the AAMP-PMT project status i.e. the progress made to date in the development of the AFI ATM Vision 2045, future Concept of Operations and AFI ATM Master Plan.
- b) Develop a mechanism for addressing the main project challenge, i.e. low member participation in project activities. The meeting is requested to encourage States/organisations to ensure that nominated project participants actively participate in project activities.
- c) Endorse the AAMP-PMT request for project deadline extension to 31 October 2021, considering project team's recommendations.
- d) Mandate the AAMP PMT to submit the latest draft documents to APIRG/24 meeting for consideration.

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