



## INTERNATIONAL CIVIL AVIATION ORGANIZATION

### Eighth Meeting of the AASPG Airspace and Aerodrome Operations Sub-Group (AAO/SG8)

Dakar, Senegal 14-18 July 2025

#### Agenda Item 3: Achievements in AOP and ATM/SAR

#### ACTIVITIES OF THE AFI FLIGHT AND FLOW – INFORMATION FOR COLLABORATIVE ENVIRONMENT (FF-ICE) PMT

*(Presented by FF-ICE PMT)*

SUMMARY
This working paper outlines activities relating to the establishment of the AFI Flight and Flow – Information for Collaborative Environment (FF-ICE) project team.
<b>REFERENCE(S):</b> <ol style="list-style-type: none"> <li>1. AASPG Handbook</li> <li>2. AAO SG/7 Report</li> <li>3. Doc 9750, Global Air Navigation Plan</li> <li>4. Doc 4444 – PANS-ATM</li> <li>5. Doc 9965 - Manual on Flight and Flow – Information for Collaborative Environment</li> <li>6. APIRG 27 Report</li> </ol>
<b>Related ICAO Strategic Objective(s):</b> A-Aviation Safety B- Air Navigation Capacity and Efficiency

#### 1. INTRODUCTION (HISTORY)

- 1.1 During the AFI Planning and Implementation Regional Group (APIRG) 26 meeting held in Cotonou, Benin, between 6 – 10 November 2023, APIRG endorsed the establishment of the FF-ICE Task Force assist the AFI Region to better prepare for the transition to FF-ICE in 2034 through APIRG/26 Decision 26/17: Establishment of the FF-ICE Task Force.
- 1.2 The Task Force developed a Terms of Reference (ToR) and Project Document to guide the activities of the FF-ICE Project Management Team (PMT).

- 1.3 These documents were presented and endorsed at APIRG 27, held in East London, South Africa, between 4 – 8 November 2024 through APIRG/27 Decision 27/03: FF-ICE Project Team Terms of Reference and project document.
- 1.4 The AFI FF-ICE Project was established to provide the necessary support to States and Air Traffic Management (ATM) stakeholders to ensure adequate preparation within the AFI Region for a safe, effective and harmonized transition to FF-ICE.
- 1.5 Activities conducted between AAO SG/7 and AAO SG/8 include:
  - 1.5.1 Presenting FF-ICE PMT ToR and Project documentation at APIRG 27 for endorsement.
  - 1.5.2 Establishing the AFI FF-ICE PMT (As agreed at APIRG 27, the FF-ICE TF was re-constituted as FF-ICE PMT.)
  - 1.5.3 Conducting awareness webinar.
  - 1.5.4 Developing System Wide Information Management ToR and Project documentation.

## **2. DISCUSSION**

- 2.1 The AFI FF-ICE PMT held an awareness webinar on 25<sup>th</sup> March 2025 titled “Demystifying Flight and Flow of Information for Collaborative Environment (FF-ICE)”.
- 2.2 The Webinar was attended by States from the AFI region and addressed the following topics:
  - 2.2.1 Why FF-ICE?
  - 2.2.2 FF-ICE Requirements / new services
  - 2.2.3 Highlights on requirements/status for FF-ICE in the AFI region
- 2.3 The interactions during the webinar highlighted the need to conduct an in-person workshop on FF-ICE for the AFI Region, to further expand on the FF-ICE webinar awareness training.
- 2.4 The FF-ICE TF highlighted the requirement to establish a project that would address the implementation of System Wide Information Management (SWIM), which would be an enabler for FF-ICE implementation.
- 2.5 The AFI FF-ICE PMT was tasked to develop a term of reference (ToR) and Project documentation to support establishment of the AFI SWIM Project through AASPG endorsement. The proposed SWIM Project ToR and Project documentation is included to this working paper as Appendix B and C respectively, for AAO SG/8 consideration and endorsement.
- 2.6 Apart from FF-ICE elements, the review and extraction of Aviation System Block Upgrade (ASBU) elements which requires the availability of SWIM as an enabler are

included as per Appendix D to this working paper.

- 2.7 A key challenge in the FF-ICE PMT is coordinating the availability of PMT members based on constraints emanating their respective State internal activities and responsibilities in relation to the deliverables of FF-ICE PMT activities.
- 2.8 Additionally, the ICAO Doc 9965 VOL II – FF-ICE Implementation Guidance which is crucial for the FF-ICE PMT requirements analysis was planned to be available in December 2024, however its publication has been delayed.
- 2.9 Activities that are planned to be undertaken from AAO SG/8 to AAO SG/9 include:
  - 2.9.1 Define the functional requirements for implementation of FF-ICE within AFI Region
  - 2.9.2 Conduct comprehensive GAP analysis to assess the readiness of AFI States to implement provisions of FF-ICE
  - 2.9.3 Develop AFI FF-ICE transition Roadmap.

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

- 3.1 The meeting is invited to:
  - a) Note the activities of the AFI FF-ICE PMT.
  - b) Review and endorse proposed SWIM ToR as per appendix B to this working paper
  - c) Review and endorse proposed SWIM Project Documentation as per appendix B to this working paper

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### **APPENDIX-**

- A. FF-ICE ToR
- B. SWIM ToR
- C. SWIM Project Documentation.
- D. ASBU Elements related to SWIM.