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المدني الدولي

国际民用
航空组织

Reference: T 3/10.1 – AP029/24 (ATM)

20 February 2024

Subject: Invitation to join ICAO APAC FF-ICE Ad hoc Group and Workshop with TTX

Action Required: Provide a point of contact to participate, from States/Administrations/Organisations who are interested to attend the ICAO Asia Pacific FF-ICE Ad hoc Group and Workshop with Tabletop Exercise (TTX) by **31 March 2024**

Sir / Madam,

I wish to draw your attention to the decision of the Eleventh Meeting of the Air Traffic Management Sub-Group (ATM/SG/11) of APANPIRG, held in Singapore from 02 to 06 October 2023, **Decision ATM/SG/11-4: Establish FF-ICE Ad hoc Group.**

The FF-ICE Ad hoc Group tasks as listed in the ATM/SG/11 final report are:

- a) study the successful development of FF-ICE in other regions and States, and draw useful lessons; and raise the understanding of FF-ICE by sharing use case scenarios and business cases;
- b) develop the Asia Pacific regional FF-ICE operational requirements and related operational processes and procedures;
- c) provide guidance on capabilities required for mixed mode environment where both FF-ICE capable and non-FF-ICE capable airspace users and ATM service providers operate;
- d) develop a FF-ICE implementation strategy for the Asia Pacific region including timeframes and roadmap;
- e) coordinate and collaborate with APAC SWIM TF, review the development of FIXM revisions, and if needed, propose FIXM extension amendments for regional adoption;
- f) recommend more ASBU elements for inclusion into the Asia Pacific Seamless ANS Plan, as they mature;

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- g) submit inputs and recommendations to the ICAO ATM Requirements and Performance Panel (ATMRPP) when deemed necessary; and
- h) undertake any other tasks related to FF-ICE implementation that may arise in the future.

The FF-ICE Ad hoc Group plans to address some of these tasks through a workshop with TTX. On behalf of the founding members of the ad hoc group (i.e. China, Japan, New Zealand, Singapore, Thailand, and USA), the rapporteur invites States/Administration to join as members of the ad hoc group, and participate in its tasks and the upcoming workshop. More details of the workshop are provided in the Attachment.

Please indicate your interest and provide a point of contact to participate in the FF-ICE Ad hoc Group and workshop (i.e. Name, designation, organisation, email address, contract number) by **31 March 2024** to apac@icao.int.

Yours Sincerely,



for Tao Ma
Regional Director

Enclosure:

ICAO APAC FF-ICE Workshop with Tabletop
Exercise (TTX)

ICAO APAC FF-ICE Workshop with Tabletop Exercise (TTX)

1. Introduction

The ICAO Global Air Traffic Management Operational Concept (GATMOC), Doc 9854, presents the vision to achieve an interoperable global ATM system, for all users during all phases of flight, that meets agreed levels of safety, provides for optimum economic operations, is environmentally sustainable and meets national security requirements.

To achieve the realisation of the GATMOC vision, an evolutionary transformation is needed to evolve the global ATM system into a Trajectory-Based Operations (TBO) environment where the current and future positions of aircraft are known with greater specificity and accuracy. Flight and Flow Information for a Collaborative Environment (FF-ICE) is a key thread, under the Aviation System Block Upgrade, needed to evolve ATM towards the TBO environment.

The FF-ICE Ad Hoc Group was formed after ATM/SG/11 accepted the proposal of the FF-ICE Operational Requirements (OR) Small Working Group (SWG) and adopted the decision to further the efforts of the SWG by reforming it into a formal group. There were 3 key recommendations from SWG:

- A regional harmonised implementation approach to maximise benefits;
- Establishing incremental steps for States' planned transition to FF-ICE/R1; and
- Setting transition dates for the region.

Singapore volunteered to organise the first meeting of the ad hoc group as a rapporteur and Secretariat. ICAO would assist by sending out the State Letter for the convening of the ad hoc group. The rapporteur of the ad hoc group would report the outcomes to ATM/SG for consideration. recommended that an ad hoc group be formalised to attract more participants from Asia Pacific (APAC) States / Administrations in the discussion of the development of APAC FF-ICE implementation guidance for the region.

2. Purpose of the ICAO APAC FF-ICE Workshop

As a kick-off for this ad hoc group, a workshop with tabletop exercise (TTX) is planned to allow participants close interaction of possible and potential processes with the introduction of FF-ICE services, in understanding how operations will evolve. The workshop aims to address the following tasks in Decision ATM/SG/11-4, as explained below:

- Task a). Study the successful development of FF-ICE in other regions and States and draw useful lessons; and raise the understanding of FF-ICE by sharing use case scenarios and business cases.

Action: Founding members of the ad hoc group will share on the plans, progress and development of their FF-ICE efforts and members of the Multi-Regional TBO project will share on the possible use cases.

- Task b). Develop the Asia Pacific regional FF-ICE operational requirements and related operational processes and procedures.

Action: The TTX is being planned to demonstrate the use cases using proposed processes and procedures for participants to gain the required knowledge on the operational requirements.

For the following tasks:

- Task c) Provide guidance on capabilities required for mixed mode environment where both FF-ICE capable and non-FF-ICE capable airspace users and ATM service providers operate.
- Task d) Develop a FF-ICE implementation strategy for the Asia Pacific region including with timeframes and roadmap.
- Task e) Coordinate and collaborate with APAC SWIM TF, review the development of FIXM revisions and if needed, propose FIXM extension amendments for regional adoption.
- Task f) Recommend more ASBU elements for inclusion into the Asia Pacific Seamless ANS Plan, as they mature.
- Task g) Submit inputs and recommendations to the ICAO ATM Requirements and Performance Panel (ATMRPP) when deemed necessary.
- Task h) Undertake any other tasks related to FF-ICE implementation that may arise in the future.

Action: Tasks c) to h) will be addressed from observations and/or lessons learnt from the workshop and TTX.

3. Workshop – Agenda and Dates

The workshop is expected to be held in the 2nd or 3rd quarter of 2024 in Bangkok, Thailand. The details of the agenda and venue will be shared in due course.