



International Civil Aviation Organization

MIDANPIRG/22 & RASG-MID/12 Meetings

(Doha, Qatar, 4 – 8 May 2025)

Agenda Item 5.3: ANS (AIM, PBN, AGA-AOP, ATM-SAR, CNS and MET)

OUTCOMES OF THE ICAO APAC MID FF-ICE AND ATFM SEMINAR 2025

(Presented by Secretariat)

<p style="text-align: center;">SUMMARY</p> <p>This paper presents the outcomes of the ICAO APAC MID FF-ICE and ATFM Seminar 2025.</p> <p>Action by the meeting is at paragraph 3.</p>
<p style="text-align: center;">REFERENCE</p> <ul style="list-style-type: none">- MIDANPIRG/21 meeting report- Outcomes of ICAO APAC MID FF-ICE and ATFM Seminar 2025

1. INTRODUCTION

1.1 The meeting may wish to recall ICAO plan related to the planning of FF-ICE implementation and cessation of FPL2012, as essential advancement in air traffic management, with envisaged proposed implementation date by 2034.

1.2 The meeting may wish to recall the discussion during MIDANPIRG/21 meeting related to the FF-ICE implementation and the requirements; particularly the MIDANPIRG Conclusion 21/20:

MIDANPIRG CONCLUSION 21/20: MID FF-ICE WORKSHOPS 2024-2025

That the FF-ICE Workshops be conducted in 2025, with the support of the ATFM TF and the relevant Subgroups to address the FF-ICE planning and implementation in the MID Region.

1.3 The meeting may wish to recall that the Airspace Management Working Group (ASM WG) was tasked to ensure continuous development of airspaces and air traffic management including the development of regional FF-ICE roadmap.

2. DISCUSSION

2.1 The meeting may wish to note that ICAO APAC MID FF-ICE Seminar was successfully conducted in Dubai, during the period 23 – 26 February 2025, hosted by General Civil Aviation Authority of the United Arab Emirates (GCAA/UAE). 154 participants from APAC and MID States and international organizations attended the seminar.

2.2 The Seminar provided comprehensive background information on the ATFM and FF-ICE, including the requirements and the prerequisites, services and planning phases. In addition, the Seminar provided a forum for sharing experiences, lessons learned and perspectives from the States/ANSPs and Airspace Users with a highlight on cross-border solutions.

2.3 The Seminar was apprised with the ongoing work related to amendments of the ICAO provisions and guidance material related to ATFM and the cessation of FPL 2012 is ongoing. Accordingly, a regional roadmap for the transition to FF-ICE was deemed necessary; additionally, the current MID ATFM Plan (MID Doc 014) would need to be reviewed.

2.4 The Seminar agreed that the outcomes should be presented to MIDANPIRG and ATM SG for appropriate actions, as in **Appendix A**.

2.5 The Seminar recommended that the MID Airspace Management Working Group (ASM) to draft the MID FF-ICE regional transition plan, for further review by the ATM SGs and endorsement by MIDANPIRG, while the ATFM TF would continue focusing on supporting the ATFM implementation within the Region in line with the ongoing work concerning the amendments of the ICAO provisions and guidance material related to ATFM and the cessation of FPL 2012.

2.6 The meeting may wish to note that majority of the MID States indicated their intension to transit to FF-ICE and cessation of FPL2012 before the planned date in 2034.

2.7 Based on all the above, the meeting may wish to review the following draft conclusion:

***MIDANPIRG DRAFT CONCLUSION 22/XX: DEVELOPMENT OF MID FF-ICE
OPERATIONAL NEEDS***

That, the Airspace Management Working Group (ASM WG) draft initial operational needs to be reviewed by the ATM SG and coordinated with AIM and CNS SGs for harmonized implementation plan.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note the information contained in this paper; and
- b) review and agree on the draft conclusion in para 2.7 above.

APPENDIX A

Outcomes of the

ICAO APAC/MID ATFM and FF-ICE Seminar 2025

Dubai, UAE, 23 – 26 February 2025

1. The Seminar was hosted by the General Civil Aviation Authority (GCAA) of the United Arab Emirates (UAE) in Dubai from 23 to 26 February 2025 and attended by 154 participants from APAC and MID States and international organizations.
2. The Seminar provided comprehensive background information on the ATFM and FF-ICE, including the requirements and the prerequisites, services and planning phases. In addition, the Seminar provided a forum for sharing experiences, lessons learned and perspectives from the States/ANSPs and airspace users with a highlight on cross-border solutions.
3. The Seminar was apprised of the ongoing work concerning the amendments of the ICAO provisions and guidance material related to ATFM and the cessation of FPL 2012.
4. The Seminar recalled the benefits of trajectory-based operations (TBO) and relationships between its key enablers (ATFM, SWIM, FF-ICE, Data Link).
5. The Seminar noted the importance of optimizing the airspace to enhance efficiency and increase capacity through the implementation of more efficient longitudinal separation, enhanced civil-military cooperation and flexible use of airspace, free route airspace, to meet growing air traffic demand.
6. The Seminar acknowledged that the level of preparedness to implement ATFM and FF-ICE would differ across various States and ICAO Regions. The Seminar stressed the importance of a well-prepared and coordinated implementation of these initiatives in order to achieve more substantial and immediate benefits on regional and global levels.
7. There is a strong need to expand the training and knowledge sharing among all stakeholders to support the planning and implementation of ATFM and FF-ICE.
8. The Seminar reminded of the critical importance of engaging all stakeholders at an early stage in planning the implementation of ATFM and FF-ICE.
9. The Seminar recalled the requirement of the PANS-ATM concerning the use of information services for the implementation of FF-ICE.
10. The Seminar recalled the importance of States taking necessary measures to support and foster the implementation of ATFM at the national level, which is essential for any sub-regional and regional solutions. It was highlighted that promulgating necessary ATFM civil aviation regulations and the development of a National ATFM Concept of Operations, among others, are key elements for the establishment of the ATFM Service.
11. The Seminar noted that the main enabler for effective ATFM service is strategic and operational capacity determination, accordingly, States must take necessary measures to determine these capacities.
12. The Seminar noted that the majority of the States indicated that the target date for the cessation of the ICAO 2012 Flight Plan could be met between 2032 – 2034.
13. Active participation and contributions in regional ATFM and FF-ICE meetings are essential to ensure harmonized procedures.
14. The Seminar observed that there is a need to establish a regional target date to terminate the mixed-mode operations.

15. The Seminar noted the necessity for a broader work programme to enhance the planning and synchronization of the development and execution of all pertinent TBO enablers, particularly the implementation of FF-ICE and ATFM.
16. The Seminar noted that the APAC FF-ICE Ad Hoc Group and MID ASM Working Group would draft the FF-ICE regional transition plan, for their respective region, for further review by the ATM SGs and endorsement by APANPIRG and MIDANPIRG.
17. The Seminar noted the benefits of integrating A-CDM into ATFM implementation.
18. ATFM post-operations analysis to be conducted as appropriate and data are shared to identify bottlenecks and areas for improvement.
19. The Seminar received with appreciation an offer from CANSO to further support the training and knowledge sharing on ATFM implementation.
20. Participants appreciated the value of joint events and invited ICAO to organize more joint events to support inter-regional cooperation and harmonization.

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