



ICAO

International Civil Aviation Organization

MET/ATFM Seminar and the Tenth Meeting of the Asia/Pacific Air Traffic Flow Management Steering Group (ATFM/SG/10)

Video Teleconference 04 – 08 May 2020

Agenda Item 2: Review Outcomes of Related Meetings

RELATED MEETINGS OUTCOMES

(Presented by the Secretariat)

SUMMARY

This paper presents the outcomes relevant to ATFM/SG from related Asia/Pacific Regional meetings.

1. INTRODUCTION

1.1 The Ninth Meeting of the Air Traffic Flow Management Steering Group (ATFM/SG/9) was held in Bangkok, Thailand, from 22 to 26 April 2019, in conjunction with the ATFM/A-CDM Seminar and Fourth Meeting of the Asia/Pacific Airport Collaborative Decision-Making Task Force (APA-CDM TF/4).

1.2 The Third Meeting of the Aerodrome Operations and Planning Sub-Group of APANPIRG (AOP/SG/3) was held in Bangkok, Thailand, from 24 to 26 June 2019.

1.3 The Seventh Meeting of the APANPIRG Air Traffic Management Sub-Group (ATM/SG/7) of the Asia Pacific Air Navigation Planning and Implementation Regional Group (APANPIRG) was held at the ICAO Asia and Pacific Regional Office, Bangkok, Thailand, from 05 – 09 August 2019.

1.4 Twenty-third Meeting of the Communications, Navigation and Surveillance Sub-Group of APANPIRG (CNS SG/23) was held in Bangkok, Thailand, from 02 to 06 September 2019.

1.5 The 30th Meeting of APANPIRG (APANPIRG/30) was held in Bangkok, Thailand, from 04 to 06 November 2019.

2. DISCUSSION

ATFM/SG/9 & APA-CDM/TF/4

2.1 Participants will recall the discussions at the joint plenary session of ATFM/SG/9 and APA-CDM/TF/4 on the future of ICAO Asia/Pacific Airport Collaborative Decision-Making (A-CDM), noting that APA-CDM TF had completed the tasks assigned by APANPIRG and was proposed to be dissolved. The meeting noted that A-CDM was widely considered to be a component of collaborative ATFM, and that other bodies such as CANSO and ICAO (technical panels) had merged A-CDM work into their ATFM-related technical working groups.

2.2 ATFM/SG/9 agreed that, should the APA-CDM/TF be dissolved by APANPIRG, it would be appropriate that any further work in the A-CDM field be undertaken by ATFM/SG, with the participation of appropriate experts from that domain. While noting that APA-CDM/TF/4 had not yet reached agreement on its dissolution or continuance, and the final decision would be made by APANPIRG/30, ATFM/SG/9 agreed that the draft amendment to the ATFM/SG TOR provided in **Appendix E to the Report of the ATFM/SG/9 Meeting** should be considered by ATM/SG and APANPIRG, should the APA-CDM/TF be dissolved.

2.3 APA-CDM TF/4, in its later discussions, did not agree to a Draft Decision proposing the dissolution of the task force, and developed a proposed amendment to their Terms of Reference, extending the life of the task force by two years. The proposal was subsequently endorsed by the Aerodromes Operations and Planning Sub-Group of APANPIRG (AOP/SG), and adopted by APANPIRG/30 (*Decision APANPIRG/30/3: Proposal for Amendment of APA-CDM/TF TOR*). The APANPIRG and ATM/SG Chairs subsequently remarked, at the APANPIRG/30 meeting, that ICAO the work of the APA-CDM/TF, when dissolved, would be absorbed by ATM/SG.

AOP/SG/3

2.4 The AOP/SG/3 meeting reviewed adopted the following Conclusion, drafted by APA-CDM/TF/4:

Conclusion AOP/SG/3-2: Asia/Pacific A-CDM Implementation Plan

That,

- a) the Asia/Pacific A-CDM Implementation Plan developed by the APA-CDM/TF and approved by the AOP/SG/3 is provided in Appendix B to the AOP/SG/3 Report; and*
- b) the Asia/Pacific A-CDM Implementation Plan and examples of A-CDM guides, AIP Supplement, AIC for notification of A-CDM Operational Trial/Implementation provided by States will be posted in ICAO APAC Website under e-Documents.*

2.5 The Asia/Pacific A-CDM Implementation Plan is available on the ICAO APAC Regional Office eDocuments web-page at <https://www.icao.int/APAC/Pages/eDocs.aspx>, AGA section, Airport Collaborative Decision-Making sub-section, together with A-CDM guidance material provided by several APAC Administrations. ATFM/SG may expect to take responsibility for the management of ICAO APAC A-CDM matters, including the maintenance and updating of the implementation plan and guidance material, following the dissolution of APA-CDM/TF.

ATM/SG/7

ATFM CONOPS

2.6 The ATM/SG/7 meeting was informed of Northeast-Asia Regional ATFM Harmonization Group (NARAHG) development of the first draft of a Concept of Operations (CONOPS), progress on the ATFM Daily Plan (ADP) trial, the paper trial of proposed MINIT for flights to Beijing, analysis of ATFM outcomes arising from restrictions on flights from Republic of Korea to Da Nang, Viet Nam, and ATFM coordination procedure improvement.

2.7 The Secretariat informed ATM/SG/7 that, in response to a query on why there was a different concept being developed in the same Region, ATFM/SG/9 had been reminded that the APAC Regional ATFM Concept of Operations, approved by APANPIRG, was the Regional ATFM CONOPS, and that it formed the basis of the APANPIRG-approved Regional Framework for Collaborative ATFM, with which all APAC Administrations were expected to comply. This had been discussed at many

meetings of ATFM/SG and its ATFM Information Requirements Small Working Group (ATFM/IR/SWG).

APAC FIXM Extension for ATFM

2.8 The ATM/SG/7 meeting was informed that the Asia/Pacific FIXM 4.1 Extension, initiated by ATFM/SG and developed by the Asia/Pacific System-Wide Information Management Task Force (SWIM/TF), had been reviewed by the FIXM Change Control Board (CCB), and was now posted on the FIXM website at <https://fixm.aero/>. **Table 1** summarizes the data attributes currently included in the FIXM extension.

| Estimated | Calculated | Target | Actual |
|---|---------------------------------|--|-------------------------------|
| | | Target Off Blocks Time (TOBT) | Actual Off Blocks Time (AOBT) |
| | | Target Start Approval Time (TSAT) | |
| | Calculated Take-Off Time (CTOT) | Target Take-Off Time (TTOT) | |
| Estimated Time Over (ETO) | Calculated Time Over (CTO) | | Actual Time Over (ATO) |
| Estimated Landing Time (ELDT) | Calculated Landing Time (CLDT) | | |
| Other | | | |
| Trajectory | | Aircraft Track | |
| <ul style="list-style-type: none"> • ETO • CTO • ATO • Flight level or Altitude • Waypoint | | <ul style="list-style-type: none"> • Ground speed • Bearing • Flight level or Altitude • Position (Designator or Latitude/Longitude or Relative Point) • Time over position | |

Table 1: FIXM version 4.1 Extension Data Attributes

2.9 The FIXM extension is further discussed in paragraphs 2.8 to 2.10.

Survey on Current and Future MET Services to Support ATM

2.10 The ATM/SG/7 meeting recorded Action Item 7/7, for the circulation of an invitation to ATFM experts to support the proposal in *Decision MET/R WG/8/4* by encouraging subject matter experts from ATFM/SG to participate in an ad-hoc group to develop use cases and user requirements for future SWIM-based MET information services supporting ATFM.

2.11 Noting that the invitation mentioned has not yet been circulated, the matter is further discussed in Agenda Item 5 WP/16.

CNS SG/23

2.12 The CNS SG/23 meeting considered the outcomes of the Sixth Meeting of the Aeronautical Communications Services Implementation Coordination Group (ACSICG/6, Bangkok, Thailand, 13 to 15 May 2019), which had endorsed a Draft Conclusion developed by ATFM/SG/9 relating to the proposed AFTN/AMHS-based Interface Control Document (ICD) for ATFM. The purpose of the ICD was to support the cross-border exchange of ATFM measures information between ANSPs where the capability for FIXM in the SWIM environment had not yet been implemented.

2.13 CNS SG/23 adopted the following Conclusion:

Conclusion CNS SG/23/1 (ACSICG/6/1) - AFTN/AMHS-Based Interface Control Document for ATFM.

That, the AFTN/AMHS-based Interface Control Document for ATFM at Appendix B to the CNS SG/23 Report be adopted and uploaded to the Asia/Pacific Regional Office website, for use by Asia/Pacific Administrations in implementing cross-border ATFM communications in accordance with the provisions of the Regional Framework for Collaborative ATFM.

2.14 The ICD is available on the ICAO Asia/Pacific Regional Office eDocuments web-page, CNS section, AFS sub-section

APANPIRG/30

Asia/Pacific Regional FIXM Extension for ATFM.

2.15 The Asia/Pacific Regional FIXM Extension for ATFM was presented to APANPIRG in the report of the CNS SG/23 meeting. The FIXM extension, initiated by ATFM/SG and developed by the Asia/Pacific System-Wide Information Management Task Force (SWIM/TF) had been supported in a Draft Conclusion agreed by CNS SG/23.

2.16 Consequently, APANPIRG/30 adopted the following Conclusion:

Conclusion APANPIRG/30/12 (CNS SG/23/6-SWIM TF/3/4) – Asia/Pacific Regional FIXM Extension for ATFM

That, noting:

- 1. the need for interoperable system-to-system information exchange to support the implementation and automation of cross-border ATFM in the Asia/Pacific Region; and*
- 2. the data attributes included in the Asia/Pacific FIXM Version 4.1 extension were endorsed by ATFM/SG:*

The Asia/Pacific FIXM version 4.1 Extension described and provided in Appendix A to the APANPIRG/30 Report on Agenda Item 3.4 be adopted and uploaded to the ICAO APAC Regional Office website for immediate use by Asia/Pacific Administrations, where the capability to do so exists, for cross-border ATFM information exchange.

2.17 The FIXM extension is also available on the ICAO Asia/Pacific Regional Office eDocuments web-page, ATM section, ATFM sub-section.

ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note the information contained in this paper; and
- b) discuss any relevant matters as appropriate.

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