



ICAO

International Civil Aviation Organization

**INFORMATION PAPER**

**Twenty-fourth Meeting of the Meteorology Sub-group (MET SG/24) of the Asia and Pacific Air Navigation Planning and Implementation Regional Group (APANPIRG)**

Web-conference, 16 – 20 November 2020

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**Agenda Item 5:** Research, development and other initiatives

**REVIEW OUTCOMES FROM SWIM TF**

(Presented by the Secretariat)

**SUMMARY**

This paper previews some relevant outcomes from the Fourth Meeting of the APAC SWIM Task Force (SWIM TF/4).

**1. INTRODUCTION**

1.1 The ICAO APAC Office hosted the Fourth Meeting of the APAC SWIM Task Force (SWIM TF/4), online, from 3 to 6 November 2020.

1.2 This paper highlights some of the relevant outcomes from SWIM TF/4.

**2. DISCUSSION**

The documentation for SWIM TF/4 is available at the ICAO APAC Office website ([www.icao.int/apac](http://www.icao.int/apac) > Meetings > Meeting List-2020 > SWIM TF/4).

2.1 The draft report from SWIM TF/4 includes one (1) Draft Conclusion, for further consideration and possible adoption by APANPIRG, and one (1) Decision, related to the internal working arrangements of SWIM TF.

2.2 Draft Conclusion SWIM TF/4/2 – *Interoperable SWIM Architecture in APAC Region*, proposes the Regional adoption of CRV-based, interoperable SWIM architecture that supports both the legacy (conventional) AFTN/AMHS applications and flexibility required for regional common agreements for information exchange between different systems.

2.3 Decision SWIM TF/4/1 – *Revised SWIM TF Task Group*, adopts a revised list of Task Groups (and Task Leads) in order to better align the achievements from various tasks with the global guidance and regional implementation materials and eliminate unnecessary duplication in the original work plan.

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2.4 SWIM TF/4 reviewed outcomes from the SWIM in ASEAN Demonstration (12 and 15 November 2019, in Bangkok, Thailand and Singapore, respectively), which indicate that, inter alia, the use of AIXM, FIXM and IWXXM plays an important role in achieving interoperability. SWIM TF/4 encouraged the Task Leads to further exploit and deliberate the outcomes of this Demonstration to make the full benefits available for all member States and Administrations.

2.5 SWIM TF/4 noted that the concept of SWIM is still not fully understood by ATM stakeholders and that there is a need to strengthen cooperation with other working groups, especially for ATFM, APA-CDM, MET and AIM. SWIM TF/4 agreed to include in its revision of the terms of reference and action items, the enhancement of the interaction with various contributory bodies under APANPIRG and a proposal for another SWIM workshop in the APAC Region.

2.6 SWIM TF/4 noted that Australia had developed a proof-of-concept to show the exchange of IWXXM data using current-state cloud-based services. Furthermore, Australia has a project to distribute the IWXXM via AMQP and this capability is expected to be operational in mid-2021.

**3. ACTION BY THE MEETING**

3.1 Note the information contained in this paper.

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