



# ICAO

*International Civil Aviation Organization*

## The Tenth Meeting of System Wide Information Management Task Force (SWIM TF/10)

*Bangkok, Thailand, 20 – 23 May 2025*

Agenda Item 5: Updates on the assigned tasks by task leads/contributors, including progress report and issues

**a) Coordination and Promotion**

Task 9: Monitoring of Panels' Work

### UPDATES FROM IMP

(Presented by Japan)

#### SUMMARY

This paper presents brief overview of the third meeting of the Information Management Panel (IMP/3). Most of PANS and Guidance Materials changes are targeted for review in 3Q, 2028.

## 1. INTRODUCTION

1.1 The third meeting of the Information Management Panel (IMP/3) was held at ICAO HQs in Montreal, CANADA, from 30 September 2024 to 4 October 2024.

1.2 The meeting discussed further update of Annex15, PANS-AIM(Doc10066), PANS-IM(Doc10199) and related Guidance Materials.

## 2. DISCUSSION

### IMP Update

2.1 Mr. Junrong Liang, President of the Air Navigation Commission officially opened the panel meeting and highlighted one of the main outcomes of the 14th Air Navigation Conference, the agreement of a target date of 2034 to sunset Flight Plan 2012 and underscored the crucial role of SWIM and digital aeronautical information management to achieve this goal. The President requested support from the Panel to meet this important milestone.

2.2 The following Job Cards have been designated by ANC, and a WG has been established under the IMP to study them. (excluding AIM-related Job Cards)

- IMP.011.01 Information Services for Air/Ground SWIM
- IMP.012.01 SWIM Registry Interoperability
- IMP.013.01 Information Service Definition
- IMP.014.01 SWIM Governance enhancements
- IMP.015.01 Information Management Vocabulary

2.3 Job Card IMP.011.01, Information Services for Air/Ground SWIM

2.3.1 The meeting reviewed IMP/3-WP/15– Air Ground SWIM Job Card proposal for amendment to the Manual on the system-wide information management (SWIM) implementation, which presented proposals for amendments based on the work completed by this job card to the Manual on the SWIM Implementation, Doc 10203.

2.3.2 The meeting highlighted the need to amend the forewords of PANS-IM and Doc 10203 in order to remove the reference to ground-ground since the assessment concluded that the provisions were also applicable to air-ground SWIM. While the amendment of the foreword to Doc 10203 would be process immediately after the meeting, it was agreed that the amendment of the PANS-IM foreword would be reflected in the next amendment to PANS-IM.

## 2.4 Job Card IMP.012.01, SWIM Registry Interoperability

2.4.1 The meeting reviewed IMP/3-WP/16 – Global system wide information management (SWIM) interoperability concept, which provided an update on the development of the SWIM Registry Interoperability Concept. Much discussion ensued and some concerns were expressed, so a further review of the concept will be undertaken.

2.4.2 The meeting also reviewed IMP/3-WP/25– Review of SWIM inter-registry API implementation and enhancing global interoperability, which reviewed the evolution of SWIM inter-Registry exchange between States and Regions and proposed the SWIM Discovery Service (SDS) implementation specification as a candidate for a global standard to ensure global and cross-regional interoperability of SWIM Service discovery. The meeting encouraged ongoing collaboration on SDS and agreed to refer the need for guidance on SDS.

## 2.5 Job Card IMP.013.01 Information Service Definition

2.5.1 The job card summarizes the work to be done as follows and the job card will result in proposals for amendments to PANS-IM (if needed) and the SWIM Implementation Manual to reflect provisions and guidance for information service definitions.

*“An information service definition holds information service design elements that steer harmonized implementation. A common structural approach in terms of information service definition is included in this activity. This entails the establishment of the list of necessary information design elements and provisions deemed necessary at the global level.”*

2.5.2 Hence, Information services will be described in two types of artefacts in future: information service overviews and information service definitions. The meeting reviewed IMP/3-WP/30 – Information service definition update, which provided an update on the progress of activities on the Job Card and to provide a summary of the upcoming work plans and IMP/3-WP/19 – Information service definition job card amendment, which provides recommended changes to the Information Service Definition job card. The meeting agreed not to go into the revision of PANS-IM when introducing the information services definition, but only to revise the SWIM implementation guidance.

## 2.6 Job Card IMP.014.01, SWIM Governance enhancements

2.6.1 Break out session by Governance WG was conducted and discussed to way forward. To protect rights and information between information service providers and consumers, more guidance will be described in Manual on SWIM Implementation (Doc10203) around Q2 2026.

- 2.6.2 Also, requirements of message metadata for SWIM routing and filtering were discussed. As is true for the APAC SWIM, as the scope of the SWIM expands, it is important to define metadata to ensure that message routing is enforced. Solving this issue will be essential to expand the deployment of FF-ICE, but the Governance WG decided to start by raising the issue.

2.7 Job Card IMP.015.01 Information Management Vocabulary

- 2.7.1 The meeting reviewed IMP/3-WP/23 – Information management vocabulary job card status update, which provided an update on the actions in IMP.015.01 JC and the next steps discussed at the IMP-WG/12 in April 2024. The objective of the Information Management Vocabulary Job Card (IMP.015.01) was to address the inconsistencies in the way data and information management activities are described in the Annexes and other ICAO documents. The ultimate outcome of this work would be a consolidated “digital vocabulary” as an online system with all terms and definitions used in ICAO Annexes, ICAO PANS and in the separate Vocabularies and lists.

- 2.7.2 The meeting was confirmed that two out of seven actions associated with the Job Card IMP.015.01 have been completed. The key updates since IMP-WG/12 meeting in May 2024 include progress made on identifying the required terminology to define the generic information management lifecycle, work done with the ICAO Terminology Officer on creating Information Management Vocabulary within UNTERM<sup>1</sup> and preparations for further harmonization across information domains and ICAO Annexes and documents.

- 2.8 PANS-IM (Doc 10199) has just become applicable, and while countries are building SWIMs based on it, most regulations and guidance are targeted for review in 3Q, 2028.

**3. ACTION BY THE MEETING**

- 3.1 The meeting is invited to:
- a) note the information contained in this paper; and
  - b) discuss any relevant matter as appropriate

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<sup>1</sup> <https://conferences.unite.un.org/unterm/account/LoginExternal?ReturnUrl=%2Funterm%2Foverview%3FglossaryName%3DInformation%2520Management%2520Vocabulary> (UNTERM account is necessary)