



ICAO

International Civil Aviation Organization

The Fifth Meeting of System Wide Information Management Task Force (SWIM TF/5)

Video Tele-conference, 9 – 11 August 2021.

Agenda Item 6: Updates on the assigned tasks by task leads/contributors including progress report and issues

g) Coordination and Promotion

- Task 9: Monitoring of Panels' Work

IMP UPDATE

(Presented by Japan)

SUMMARY

There was an ICAO Information Management Panel Working Group (IMP/WG) meeting in virtual after the Fourth meeting of SWIM Task Force in last year. This Working Paper presents some of topics in past IMP/WG meeting.

1. INTRODUCTION

- 1.1 The Tenth Working Group meeting of the Information Management Panel (IMP-WG/10) was held virtually from 26 to 30 April 2021 using MS Teams in the form of daily session from 10:00 to 14:00 UTC.
- 1.2 The main objective of the meeting was to prepare for the Second meeting of the Information Management Panel (IMP/2) which should take place at the end of September, 2021.
- 1.3 During the meeting, a joint session with ATMRPP was held to discuss FF-ICE as an information service supported by SWIM.

2. SUMMARY OF IMP/WG/10 DISCUSSION

Procedures for Air Navigation Services – Information Management (PANS-IM)

- 2.1 The meeting reviewed consolidated draft PANS-IM, introduced by the Secretary, which presented the result of an important effort by the experts of the Information Management Panel (IMP) to improve and align the provisions of the draft PANS-IM with ICAO Style Guide.
- 2.2 A lot of time was spent on clarifying the Information Service Overview. Since the Information Service Overview plays a very important role in the discovery of services,

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work was done to clarify "shall" and "should" so that consistency is not compromised by differences in service providers.

2.3 After reviewing by the group, the meeting agreed in the following;

- To circulate, via email, the draft PANS-IM, as modified by the meeting, to the ICAO Panels for coordination;
- To schedule if necessary a teleconference end of June to address the comments provided; and
- To present a revised draft PANS-IM including the comment resolution for endorsement at IMP/2.

Guidance Material – SWIM Manual, Volume II Implementation Guidance

2.4 The meeting reviewed the latest version of SWIM Manual Volume II – Implementation Guidance (see attachment) which was worked by editorial team and acknowledged and appreciated the hard work done on the draft manual.

2.5 Due to the large number of feedbacks received at the meeting, a revision process is underway for IMP/2 with increased working resources.

Inter-Panel Coordination – Joint session with the ATMRPP

2.6 Air Traffic Management Requirements and Performance Panel (ATMRPP) is currently working for;

- Flight and Flow Information for a Collaborative Environment (FF-ICE);
- Connected Aircraft (Aircraft Access to SWIM); and
- Trajectory-based Operations (TBO).

2.7 The fourth meeting of the ATMRPP (ATMRPP/4) was held in parallel with IMP-WG/10 in virtually. The objective of ATMRPP/4, which was a milestone meeting, was to finish the construction of the FF-ICE/R1 pillar, a very important foundation for the transition to TBO.

2.8 The joint meeting reviewed FF-ICE provisions which provided an update on the work of the ATMRPP concerning the development of proposed amendments to ICAO documents to support the initial implementation of FF-ICE services (FF-ICE/R1), and highlighted areas on which the IMP was invited to provide feedback. The joint meeting was also provided with the outcome of a preliminary review conducted by the ATMRPP on draft SWIM provisions in the context of assessing appropriateness for FF-ICE implementation.

2.9 The joint meeting also noted the 3 areas of IPTF¹'s work:

- a) FF-ICE/R1 implementation using SWIM;
- b) Role of AMHS for FF-ICE; and
- c) Communication infrastructure.

¹ IPTF stands for Inter-Panel Task Force including members and advisors from ATMRPP, Communications Panel (CP) and IMP had been formed in April 2018 in order to address the technical questions related to FF-ICE/R1 implementations.

- 2.10 With respect to a question on the view of IPTF concerning the role of AMHS for FFICE/R1, the joint meeting was advised that the ATMRPP had determined that AMHS would not meet the needs of FF-ICE/R2, but although not recommended, considered the possibility of using the already-widely deployed AMHS for FF-ICE/R1 during the transition period. However, this was subject to further work by the IPTF, and the necessary assessment by the IPTF has not been delivered for the ATMRPP to make an informed decision.
- 2.11 The joint meeting valued an effective coordination that took place via the joint meeting which allows experts from both groups to exchange views and make well-informed decisions. The joint meeting agreed to organize more joint meetings as time and availability of member’s permit, to discuss common area of interest.

Target timeframe for the application of SWIM and related provisions

- 2.12 According to the ICAO rule on the ICAO Standard Setting Process, the meeting is required to comply with minimum period, called the 6-6-6 rule. If this rule is followed, the schedule to apply the SWIM provision is shown in Figure 1.

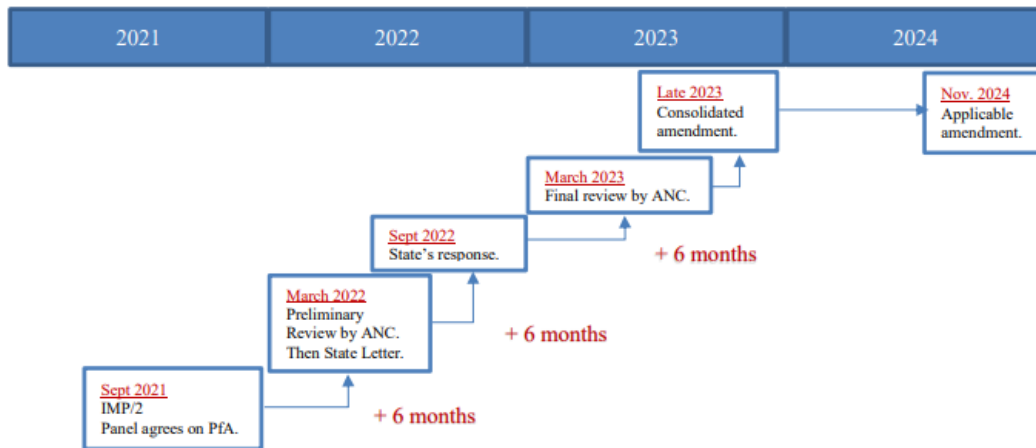


Figure 1 Timelines for SARPs and PANS development – “SWIM”

- 2.13 As described in 2.9, FF-ICE/R1 requires SWIM environment, so FF-ICE provision is considered to be applicable at the same time as SWIM, Nov 2024. (Figure 2)

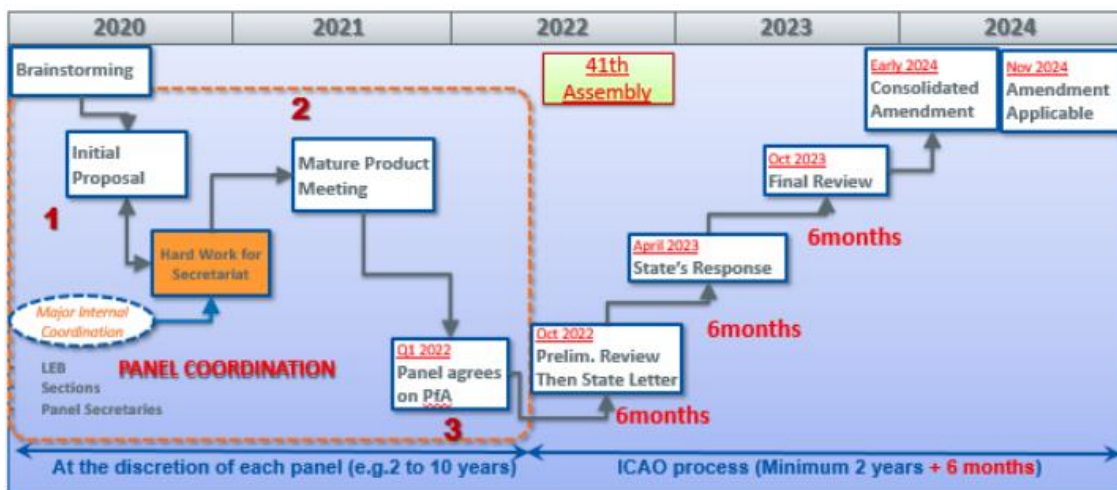


Figure 2 Timelines for SARPs and PANS development – “FF-ICE”

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2.14 SWIM and FF-ICE are not expected to be introduced simultaneously by all Contracting States and Airspace Users. However, it goes without saying that regional harmonization with implementation strategy is highly required by ATM stakeholders.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note the information contained in this paper; and
- b) discuss high level working arrangement of SWIM TF towards 2024.
