



**Awareness workshop on the Roadmap of Aeronautical Meteorological (MET) Information in System-Wide Information Management (SWIM) – English Session**

*(Virtual, 20 March 2024)*

**Agenda Item 4: Transition plan and associated timelines for implementing aeronautical meteorological (MET) information in SWIM (MET-SWIM)**

**DP 4.3 – Transition from Bulletins to Single Messages**

*(Presented by the Secretariat)*

<b>SUMMARY</b>	
<p>This paper provides an update on the on the future of message bulletins in the SWIM environment.</p> <p>Action by the Meeting is <b>provided in paragraph 3</b></p>	
<b>REFERENCES</b>	
<ul style="list-style-type: none"> <li>▪ Global air Navigation Plan (GANP)</li> <li>▪ Roadmap for Aeronautical Meteorological Information in System-Wide Information Management (METP/5)</li> <li>▪ Plan for Aeronautical Meteorological (MET) Information in System-Wide Information Management (SWIM) (METP/5)</li> <li>▪ AFI eANP Vol III</li> </ul>	
<i>Strategic Objectives</i>	<i>A – Safety, B – Air Navigation Capacity and Efficiency</i>

**1 INTRODUCTION**

- 1.1 The Meteorology Panel (METP) at its fifth meeting agreed on the Decision 6/4 endorsing the Versions 2.3 of the MET-SWIM Plan and MET-SWIM Roadmap as final versions for the implementation of IWXXM as a Standard in the ICAO Annex 3; and inviting the Secretariat to circulate them to PIRGs.
- 1.2 MET-SWIM implementation and transition will proceed based upon the Aviation System Block Upgrade (ASBU) schedule outlined in ICAO Global Air Navigation Plan (GANP).
- 1.3 **The primary information exchange model in MET-SWIM is IWXXM.**
- 1.4 This paper informs on the future of message bulletins in the MET-SWIM environment.

## 2 DISCUSSIONS

- 2.1. Traditionally, TAC reports **were collated into bulletins** to support the efficient exchange of reports over a network of very low-capacity point-to-point circuits.
- 2.2. Whilst bulletins **have served a useful purpose, they do result in delays** to information exchange and are not well suited to large or dynamic datasets.
- 2.3. With **increasing volumes** and **shorter (more frequent) time steps of data**, the **advantages of bulletins are considerably less**, and bulletins are **increasingly difficult to manage** from both provider and consumer standpoints.

### 2.4. Transitioning to single messages will help alleviate these issues.

- 2.5. 2.1. It is recognized that exchange via AFTN and AMHS requires bulletins, but **the SWIM architecture offers a range of alternative innovative approaches for the exchange of weather information and will overcome the inadequacies associated with collective message bulletins.**
- 2.6. **The requirement for global exchange of bulletins will cease** following the formal implementation of SWIM architecture and services in 2025.

### 2.7. The use of bulletins may continue on AMHS links carrying IWXXM until 2030

## 3 ACTION BY THE WORKSHOP

- 3.1. To review the content of this paper and provides comments as needed.
- 3.2. 3.2. Commit to preparing for upcoming changes, particularly regarding the migration from the concept of “Message Bulletins” to “Single Messages”.

END