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Fourteenth Meeting of the Air Traffic Management Sub-Group (ATM/SG/14) of APANPIRG

Bangkok, Thailand, 3 – 7 August 2026

Agenda Item 7: AOP, AIM, MET, SAR

**PROGRESS ON AERODROME-RELATED INFORMATION SERVICES FOR THE APAC
COMMON SWIM AERONAUTICAL INFORMATION SERVICES**

(Presented by the Secretariat)

SUMMARY

This paper presents the outcomes of the APAC Common SWIM Aeronautical Information Services Ad Hoc Group relating to the Aerodrome Feature Service and the Runway Surface Condition Report Service. The proposed amendments were developed through consultations with aerodrome subject matter experts (SMEs) to ensure that operational aerodrome requirements were appropriately reflected while maintaining consistency with the APAC Common SWIM Aeronautical Information Services framework. The paper proposes the subsequent coordination process and invites the Meeting to agree to the proposed amendments for further consideration by the SWIM Task Force (SWIM TF).

1. INTRODUCTION

1.1 At the Nineteenth Meeting of the ICAO Aeronautical Information Services – Aeronautical Information Management Implementation Task Force (AAITF/19), the Meeting established the APAC Common SWIM Aeronautical Information Services Ad Hoc Group to examine the technical and operational aspects of regional SWIM Aeronautical Information Services. The Group subsequently developed the initial set of APAC Common SWIM Aeronautical Information Services, which was endorsed by APANPIRG/36.

1.2 The initial set included two aerodrome-related information services, namely the Aerodrome Feature Service and the Runway Surface Condition Report Service. While these services had been developed primarily from the Aeronautical Information Management (AIM) perspective, the Secretary of the Aerodrome Operations and Planning Sub-Group (AOP/SG) identified the need for further review by aerodrome subject matter experts (SMEs) to ensure that operational aerodrome requirements were appropriately reflected.

1.3 Accordingly, aerodrome SMEs participated in the work of the Ad Hoc Group, and dedicated discussions were conducted during the sixth, seventh and eighth meetings of the Group. This paper presents the outcomes of those discussions and proposes the subsequent coordination process.

1.4 As the sixth and subsequent meetings of the Ad Hoc Group were held during and after AAITF/21, the proposed amendments were not considered by the Task Force. It was therefore agreed that the Secretariat would conduct a post-meeting consultation with AAITF members by correspondence, thereby enabling the proposed amendments to be submitted to ATM/SG and AOP/SG for consideration.

2. DISCUSSION

2.1 The Ad Hoc Group reviewed the proposed Aerodrome Feature Service and Runway Surface Condition Report Service under the APAC Common SWIM Aeronautical Information Services framework. The review focused on ensuring that the proposed information services accurately reflected operational aerodrome requirements while remaining consistent with the overall APAC Common SWIM Aeronautical Information Services framework.

2.2 The Ad Hoc Group agreed to the proposed amendments to the Aerodrome Feature Service, including revisions to the service description and clarification of the information to be exchanged. The Group confirmed that the revised proposal remained fully aligned with the APAC Common SWIM Aeronautical Information Services framework and supported harmonised implementation using the Aeronautical Information Exchange Model (AIXM).

2.3 The Ad Hoc Group conducted extensive discussions on the proposed Runway Surface Condition Report Service. Particular attention was given to:

- a) the service description;
- b) terminology relating to runway condition codes;
- c) the relationship between the proposed information service, the ICAO Global Reporting Format (GRF) and SNOWTAM;
- d) the inclusion of runway condition reports and pilot reports of runway braking action within the information exchange; and
- e) consistency with the provisions of ICAO Annex 14 concerning runway condition reporting.

2.4 Following these discussions, the Ad Hoc Group agreed on the proposed amendments shown in **Table 1** For the Runway Surface Condition Report Service, the service description was revised to directly reference the ICAO Global Reporting Format (GRF), and the information to be exchanged was simplified by identifying the Runway Condition Code (RWYCC) as the primary information element.

Table 1: Proposed amendments to the aerodrome-related information services

Business functionality of the information service	Brief description of the service	Type of information to be exchanged	Information exchange model / Message type	Message exchange pattern	Priority (1) / (2) / (3)
APAC Common SWIM Aeronautical Information Services					
Aerodrome feature service	Provides information on current and/or planned airport layout features, aerodrome facilities, services and equipment such as including aerodrome mapping data, runway, taxiway, passenger and cargo facilities.	Runways, movement areas, aerodrome data, facilities, services & equipment, nav aids, instrument landing systems, Aerodrome location, communication facilities (frequencies) (Remarks – Other data/information published in the AIP may be included)	AIXM	Pub/Sub or Req Reply	2

Runway Surface Condition Report service	Provides runway surface conditions and contaminants (least to most slippery) that are directly correlated to aircraft take-off and landing performance Provides runway condition code in accordance with Global Reporting Format (GRF) requirements.	Global Reporting Format (GRF) for runway surface conditions Runway Condition Code (RWYCC) for runway surface conditions.	AIXM	Pub/Sub or Req Reply	2
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2.5 The proposed aerodrome-related information services will contribute to the harmonised digital exchange of aerodrome information within the SWIM environment and support the regional implementation of SWIM-enabled ATM capabilities, including FF-ICE, Digital NOTAM and Trajectory-Based Operations (TBO), as identified in the APAC Seamless ANS Plan.

2.6 Subject to agreement by ATM/SG and endorsement by AOP/SG, the revised proposal will be forwarded to the SWIM Task Force (SWIM TF). It is proposed that SWIM TF consider the proposed amendments at its next available opportunity and, as appropriate, incorporate the agreed amendments into the APAC Common SWIM Aeronautical Information Services.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note the information contained in this paper; and
- b) discuss and agree to the proposed amendments to the Aerodrome Feature Service and Runway Surface Condition Report Service as shown in **Table 1**;
- c) support the submission of the proposed amendments to the AOP/SG for endorsement and subsequently to the SWIM Task Force (SWIM TF) for consideration at its next available opportunity; and
- d) discuss any relevant matters, as appropriate.

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