



ICAO

*International Civil Aviation Organization*

**Twentieth Meeting of the ICAO Aeronautical Information Services – Aeronautical Information Management Implementation Task Force (AAITF/20)**

Chitose, Japan, 9 – 13 June 2025

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## **Agenda Item 5: Regional AIM Guidance and Planning**

### **PROPOSAL TO DEVELOP APAC COMMON DIGITAL SUB-DATASETS**

(Presented by Republic of Korea)

#### **SUMMARY**

This paper presents the need to develop and provide APAC Common Digital Datasets that support the implementation of APAC Common SWIM Aeronautical Information Services. It proposes aligning dataset structures with service requirements and ensuring coordinated development of core and supplementary datasets.

## **1. INTRODUCTION**

1.1 ICAO Annex 15, Chapter 5.3, defines five mandatory digital datasets to be provided by States: AIP, terrain, obstacle, instrument flight procedures (IFP), and aerodrome mapping datasets. These datasets serve as structured, quality-assured sources of aeronautical information.

1.2 At the Tenth Meeting of the APAC SWIM Task Force (SWIM TF/10, held from 20 to 23 May 2025) and during the AAITF/19 meeting in 2024 (WP/23), discussions focused on establishing a set of common aeronautical information services for the APAC region. These services include:

- a) Airspace Management Service
- b) Airspace Feature Service
- c) Aerodrome Feature Service
- d) Digital NOTAM Distribution Service
- e) Runway Condition Report Service
- f) ATIS Distribution Service
- g) Search and Rescue Service

1.3 While these information services represent an evolution in how data is accessed and used, their scope and content must remain consistent with the data provided through the Annex 15 digital datasets. Information services must therefore be based on, or derived from, data that is available through standardized datasets or their sub-datasets.

## **2. DISCUSSION**

2.1 To effectively implement the APAC Common SWIM Aeronautical Information Services, there is a need to develop corresponding APAC Common Digital Sub-datasets. These datasets would support the operational and structural requirements of each service, enabling consistent and reliable data exchange.

2.2 The development of APAC sub-datasets should be guided by service requirements and coordinated through AAITF and the SWIM Task Force. These sub-datasets can be individually maintained or composed to support multiple services, depending on operational needs.

2.3 This structured approach will clarify the data foundations for each SWIM information service, improve interoperability, and facilitate the progressive migration from document-based to service-based information exchange.

2.4 The Republic of Korea expresses its intent to participate in the APAC Common SWIM Aeronautical Information Services Ad-hoc Group and contribute to the development of the proposed APAC Common Digital sub-datasets.

2.5 It is proposed that the APAC Common SWIM Aeronautical Information Services Ad-hoc Group undertake the development of APAC Common Digital Sub-datasets to:

- a) identify and define sub-datasets required to support each APAC Common SWIM Aeronautical Information Service;
- b) ensure that each sub-datasets includes necessary metadata, structure, and encoding aligned with ICAO data standards;
- c) support the modular reuse of sub-datasets across multiple services to improve efficiency and reduce duplication; and
- d) facilitate phased development of information services based on available sub-datasets.

## **3. ACTION BY THE MEETING**

3.1 The meeting is invited to:

- a) note and review the information contained in this paper;
- b) discuss the development of APAC Common Digital Sub-datasets, as outlined in paragraph 2.5; and
- c) discuss any relevant matters as appropriate.

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