



ICAO

International Civil Aviation Organization

Twentieth Meeting of the ICAO Aeronautical Information Services – Aeronautical Information Management Implementation Task Force (AAITF/21)

Bangkok, Thailand, 19 – 22 May 2026

Agenda Item 4: AIS-AIM Updates

PROGRESS UPDATE ON THE UPGRADING OF MALAYSIAN AERONAUTICAL INFORMATION MANAGEMENT SYSTEM (MyAIMS)

(Presented by Malaysia)

SUMMARY

This paper provides an update on Malaysia's Aeronautical Information Management System (MyAIMS) upgrade, including project progress, key system capabilities, and alignment with ICAO initiatives such as AIM, SWIM, and FF-ICE. The upgrade supports Malaysia's transition from traditional AIS publication towards digital aeronautical data management and regional data sharing within the Asia/Pacific Region.

1. INTRODUCTION

1.1 The Malaysian Aeronautical Information Management System (MyAIMS) is undergoing a major upgrade to support the transition from Aeronautical Information Services (AIS) to Aeronautical Information Management (AIM).

1.2 The initiative aligns with the provision specified in ICAO Annex 15 and global developments in System Wide Information Management (SWIM), enabling digital data exchange and integration with modern Air Traffic Management (ATM) systems.

2. DISCUSSION

Project Progress

2.1 The MyAIMS upgrade project commenced in December 2025 and is scheduled for completion in September 2027, with full operational capability expected following a period of parallel operations and system stabilization.

2.2 As of May 2026, the project is in the System Design Phase with key milestones achieved, including completion of the Project Management Plan, User Requirement Study, and conduct of the System Design Document workshop.

2.3 The upcoming milestones include completion of the System Design Document (July 2026), system deployment (Q4 2026), and Go-Live with parallel operations (Q3 2027).

2.4 The project is progressing in accordance with the planned implementation schedule.

Integrated Digital AIM Environment

2.5 The upgraded MyAIMS introduces a fully integrated Aeronautical Information Management (AIM) system that enables end-to-end digital management of aeronautical information, from data origination to distribution.

Advanced Aeronautical Data and Product Management

2.6 The system features a centralised AIXM-based database with automated validation and version control, supporting the generation of aeronautical products including AIP, AIP AMDT, SUP, AIC, charts, and digital outputs in XML, HTML, and PDF formats.

Digital NOTAM and SWIM Interoperability

2.7 MyAIMS incorporates Digital NOTAM based on AIXM Event Specification with structured, machine-readable data and automated validation, while supporting SWIM-based interoperability through AIXM, FIXM, and integration with external MET systems using IWXXM for real-time data exchange.

FF-ICE Readiness and System Resilience

2.8 The system supports Flight Plan management and pre-flight information services, transitioning from traditional PIB to digital briefing services, supporting data requirements relevant to future FF-ICE implementation, and is built on a cloud-enabled architecture compliant with aviation data security, availability, and sovereignty requirements with disaster recovery and enhanced cybersecurity features.

Regional Collaboration and Digital Transformation

2.9 The MyAIMS upgrade enables Malaysia's transition from document-based AIS to digital AIM services, supporting regional interoperability through standardised datasets and SWIM-based information exchange. Recently, Malaysia has deepened its participation in FF-ICE efforts and shown a strong commitment to adopting trajectory-based operations (TBO), reflecting its dedication to regional progress and innovation.

Conclusion & Recommendations

2.10 The MyAIMS upgrade represents a significant step in Malaysia's digital transformation towards AIM, ensuring compliance with ICAO standards and readiness for future aviation technologies.

2.11 The system enhances data quality, efficiency, and regional collaboration, positioning Malaysia as a digital aeronautical data provider.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note the information contained in this paper.

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