



ICAO

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Eighteenth Meeting of the ICAO Aeronautical Information Services – Aeronautical Information Management Implementation Task Force (AAITF/18)

Bangkok, Thailand, 19 – 23 June 2023

Agenda Item 4: AIS-AIM Updates

**IMPLEMENTATION PLAN TO PUT THE NEW AIM SYSTEM
INTO OPERATION IN VIET NAM**

(Presented by Viet Nam)

SUMMARY

This paper presents the implementation plan to put the new AIM system into operation in Viet Nam.

1. INTRODUCTION

1.1 Currently, Viet Nam is utilizing the Automated AIS System based on AIXM 4.5, which has been put into operation since January 2013 to provide the following products related to AIS: AIP, AIP AMDT, AIP SUP, AIC; NOTAM; PIB. In addition, the Automated AIS System also provides functionalities relating to Flight Plans, Aeronautical Meteorological messages that assist users in updating information concerning each flight.

1.2 The AIM system investment project has been implemented and completed acceptance for the handover of the whole products by the end of 2022.

1.3 The system architecture is a centralized-design model, having AIM server system located at Viet Nam Aeronautical Information Center (VNAIC) and connected to 85 workstations located at 22 airports. The AIM server system consists of 01 Main server system and 01 Backup server system.

1.4 The AIM system based on AIXM 5.1 is an open system, a centralized database, satisfying the requirement for data connection, exchange, and data sharing in a standard format according to ICAO standards; satisfying the requirement for creating and providing AIS/AIM products and services including eAIP, eMAP/eCHARTING, NOTAM and digital NOTAM (dNOTAM), Flight Plan (FPL), Integrated Pre-flight Information Bulletin (iPIB); The system data is under control of standard quality management procedures; satisfying the goal of improving the quality of service and ensuring flight operation safety as well as step-by-step transition to Aeronautical Information Management (AIM) according to ICAO's and Viet Nam's roadmap.

2. DISCUSSION

The implementation plan to put the new AIM system into operation in Viet Nam:

2.1 Aeronautical Data Quality (ADQ) management of the whole system: Reviewing, and evaluating organizational structure, roles and responsibilities of the units, and the current working process. Based on the assessment results, proposing changes and adjusting the aeronautical data quality management processes to match the organizational model. Design of processes and methods to be applied throughout the system taking into account the data quality management (ADQ) according to the data series.

2.2 Safety assessment and management of change: Viet Nam has identified hazards, assess and control of the safety risks associated with identified hazards when putting the new AIM system into operation; Identified changes that may affect the level of safety risk; identify and manage the safety risks that may arise from those changes, provide mitigation measures.

2.3 Training: Factory training and on-site training were implemented to ensure that operators at all workstations are competent to perform their duties with the new AIM system. All trainees after completing the training courses are eligible and have received certificates of training completion. Training for personnel on data quality management was also implemented.

2.4 Legal procedures: Implement the AIM system licensing procedures, amend the Operation Manuals of the relevant units, and review and re-sign the Service Level of Agreements (SLA) between the AIS provider and data originators.

2.5 Reorganized the organizational structure to match the workflow of the AIM system. Assigned specific roles for all workstations.

2.6 Developed commissioning scenarios and implemented system test-run, the workstations were put into trial operation from the beginning of 2023.

2.7 Meetings, workshops, and seminars with data originators and stakeholders were held to promote awareness of AIM products and services and facilitate enhanced smooth coordination. Viet Nam has participated in exchanging, learning, and sharing experiences in implementing the AIM system with AEROTHAI and CAAT in early June 2023.

2.7 Data migration and distribution of the Aeronautical Information Publication of Viet Nam (Viet Nam AIP) – the fifth edition: Viet Nam has established a Task Force to prepare and set up the database (global static database, flight procedures data, airport database), implement data migration and integrate from the existing AIP and Domestic Airports Publication (DAP) into the AIM system. Establishing and setting up the AIM database according to AIXM 5.1 standards and using AIXM 5.1 to create eAIP products and eMAP/eCHARTING products. The Viet Nam AIP - Fifth edition includes 3 main parts: General (GEN), En-route (ENR), and Aerodrome (AD) including the aeronautical data and information of 22 aerodromes, in which there are 9 international aerodromes and 13 domestic aerodromes. AIC A03/23 has been distributed to notify stakeholders about this content.

2.8 This new AIM system is expected to be put into official operation by the end of June 2023.

3. ACTION BY THE MEETING

- 3.1 The meeting is invited to:
- a) note the information contained in this paper; and
 - b) discuss any relevant matters as appropriate.

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