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Agenda Item 7: AOP, AIM, MET, SAR

**ENHANCING AIS TO AIM PHASE II AND III IMPLEMENTATION IN INDONESIA
THROUGH DATA DIGITALIZATION AND AIM AUTOMATION UPGRADE**

(Presented by Indonesia)

SUMMARY

This paper presents Indonesia's ongoing initiatives to accelerate the implementation of Aeronautical Information Services (AIS) to Aeronautical Information Management (AIM) Phase II and III. Through comprehensive data digitalization and the upgrading of AIM automation systems, Indonesia aims to enhance data quality, timeliness, and accessibility in support of ICAO's roadmap towards a fully digital and interoperable aeronautical information environment.

1. INTRODUCTION

1.1 ICAO's AIS to AIM transition roadmap outlines three phases towards modernized aeronautical information management. Phase II focuses on the structuring and exchange of digital aeronautical data, while Phase III aims at full digital data-centric operations with integrated, interoperable systems.

1.2 Indonesia, through the Directorate General of Civil Aviation (DGCA) and AirNav Indonesia, has taken strategic steps to enhance AIM capabilities, ensuring compliance with ICAO requirements and supporting global interoperability.

1.3 This paper describes Indonesia's initiatives and invites States to exchange experiences and best practices in advancing AIS to AIM Phase II and III implementation.

2. DISCUSSION

Current Status of AIS to AIM Implementation in Indonesia

2.1 Indonesia has completed the foundational work for AIS to AIM Phase I, including the establishment of an AIM organizational structure, personnel training, and transition planning.

2.2 Implementation of Phase II and Phase III is ongoing, with the primary focus on digital data management, automation systems, and integration with regional/international aeronautical databases.

Digitalization of Aeronautical Data

- 2.3 Comprehensive digitalization is underway for:
- a) aerodrome data (AIP, obstacle data, aerodrome mapping);
 - b) en-route and terminal airspace data; and
 - c) Instrument Flight Procedures (IFP) in AIXM-compliant format.
- 2.4 The adoption of ICAO's Aeronautical Information Exchange Model (AIXM) facilitates structured and interoperable digital data exchange with international stakeholders.

Upgrade of AIM Automation Facilities

- 2.5 AirNav Indonesia is upgrading its AIM Automation System to enable:
- a) fully data-centric processes along digital aeronautical data and aeronautical information collection, processing and distribution;
 - b) provide digital aeronautical information products comply with the provision of Annex 15 and PANS-AIM;
 - c) integration with meteorological and airspace management systems; and
 - d) data validation and quality management in accordance with ICAO Annex 15.

Expected Outcomes

- 2.6 The ongoing initiatives are expected to:
- a) increase the percentage of AIS to AIM Phase II and III elements implemented in Indonesia;
 - b) improve data accuracy, integrity, and timeliness; and
 - c) strengthen Indonesia's readiness for full SWIM environment integration.

3. ACTION BY THE MEETING

- 3.1 The meeting is invited to:
- a) note the information contained in this paper;
 - b) note the progress of Indonesia's AIS to AIM Phase II and III implementation;
 - c) share experiences and best practices in accelerating AIS to AIM transition; and
 - d) discuss any relevant matters as appropriate.

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