



THIRTEENTH AIR NAVIGATION CONFERENCE

Montréal, Canada, 9 to 19 October 2018

COMMITTEE A

Agenda Item 3: Enhancing the global air navigation system 3.1: System-wide information management (SWIM)

IMPLEMENTATION

(Presented by the International Federation of Aeronautical Information Management Associations (IFAIMA))

EXECUTIVE SUMMARY

In the framework of the “No Country Left Behind” initiative, this paper requests ICAO to take appropriate actions to assist States with implementation of Annex 15 - *Aeronautical Information Services*, 16th edition and PANS-Aeronautical Information Management (AIM), 1st edition.

The paper also requests ICAO to continue efforts to improve AIM requirements, with emphasis on facilitating a seamless integration of the aeronautical information domain with other information domains within the System Wide Information Management (SWIM) infrastructure

Action: The Conference is invited to:

- a) urge ICAO to provide assistance to States with the implementation of Annex 15, 16th edition and PANS-AIM, 1st edition;
- b) urge ICAO to continue efforts to improve AIM requirements, with emphasis on facilitating a seamless integration of the aeronautical information domain with other information domains within SWIM.

1. INTRODUCTION

1.1 The 16th edition of Annex 15 — *Aeronautical Information Services* and the 1st edition of the *Procedures for Air Navigation Services — Aeronautical Information Management* (PANS-AIM, Doc 10066) have been respectively adopted and approved by the Council of ICAO, with applicability on 8 November 2018. The new provisions set a milestone in the transition from traditional aeronautical information services (AIS) to AIM environments, as they enable States to evolve from product-centric, paper-based services using legacy processes to fully data-centric environments, as a first step towards a full transition to system-wide information management (SWIM).

¹English, Chinese, Spanish versions provided by IFAIMA.

1.2 The new AIM provisions are only a first step forward towards a more integrated and responsive ATM system. There is the need to continue developing AIM requirements to ensure that the aeronautical information will be provided through a service-oriented infrastructure that meets the users' needs in a more effective way.

1.3 The impact of the new provisions on States, including the transposition of Annex 15 and PANS-AIM into national and regional regulations, the completion of the transition to digital AIM, etc. is significant.

1.4 Actions need to be taken to expedite the implementation and support States, ensure readiness for change through the availability of necessary human and financial resources, training, awareness and communication; and help States to overcome difficulties that may be faced by users, if digital data sets are implemented in different ways without harmonization and without standardization.

2. DISCUSSION

2.1 Two main items are proposed for discussion, the first one is related to the activities needed to support the implementation of the new AIM provisions and the second relates to the need for further development in the AIM domain.

Implementation of Annex 15, 16th and PANS-AIM, 1st edition

2.2 Stakeholders should combine efforts to support and expedite a harmonized implementation of the new AIM provisions at global, regional and national levels.

2.3 At global level ICAO shall expedite the establishment of a working arrangement to address AIM domain-specific subjects, with high priority given to support implementation. Particular attention should be directed to the development of guidance material, the need to update the roadmap for the transition from AIS to AIM, revise and/or enhance existing requirements, if needed and provide direct assistance to States, e.g. through "Go-Team" visits.

2.4 At regional level, ICAO, with the support of regional organizations, shall support the development of regional plans and roadmaps, raise awareness about the new AIM provisions, identify challenges, as well as encourage sharing of resources, expertise and best practices to facilitate implementation and compliance with the global and regional requirements.

New AIM Requirements

2.5 At global level ICAO shall expedite establishment of a working arrangement to address also future AIM domain-specific subjects, such as:

- a) facilitating the migration of existing paper-based aeronautical charting products into the digital environment and identify requirements for the graphical representation of aeronautical information in a SWIM environment;
- b) facilitate the provision of digital data sets through SWIM services;
- c) develop an operational concept and corresponding provisions for the establishment of an information service that serves as a replacement for the information currently provided by NOTAMs; and

- d) any other requirements, as needed.

3. **CONCLUSION**

3.1 The Conference is invited to:

- a) urge ICAO to provide assistance to States with the implementation of the 16th edition of Annex 15 and the 1st edition of the PANS-AIM;
- b) urge ICAO to continue efforts to improve AIM requirements, with emphasis on facilitating a seamless integration of the aeronautical information domain with other information domains within SWIM.

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