



**Twenty-first Meeting of the CAR/SAM Regional Planning and Implementation Group
 (GREPECAS/21)**

Santo Domingo, Dominican Republic, 15 to 17 November 2023

Agenda Item 3: Global and regional developments
3.3 CAR/SAM Air Navigation Services (ANS) Implementation Level

PROPOSAL FOR THE NEW CREATION OF ICAO DOCUMENT ON- PANS-IM
 (Presented by the Secretariat)

EXECUTIVE SUMMARY	
This information paper presents the proposal of amendment of some ICAO Annexes and documents and the creation of the PANS-IM and its impact on AIS/AIM documentation.	
<i>Strategic objectives:</i>	<ul style="list-style-type: none"> • Safety • Air navigation capacity and efficiency
<i>References:</i>	<ul style="list-style-type: none"> • State Letter AN 2/36-23/6 dated 13 February 2023 • Manual on System-Wide Information Management (SWIM), Doc 10039, in progress with disclaimer

1. Introduction

1.1 The ICAO General Secretariat sent Letter AN 2/36-23/6 dated 13 February 2023 to communicate the proposal regarding several ICAO Annexes and documents, as well as the creation of the PANS-IM.

1.2 This proposal includes amendments to ICAO Annex 15 and ICAO on PANS-AIM, in various parts of both documents, concerning AIS.

1.3 The proposal also includes proposals of amendment to Annex 3, 4, 10, Volume II and III, as well as to the PANS-ABC.

2. Discussion

2.1 Letter AN 2/36-23/6 dated 13 February 2023 requests States to comment on, and agree to, the proposed amendments to various ICAO Annexes and documents and their impact on various ICAO documents, as well as the creation of the PANS-IM. The aforementioned letter is attached as appendix to this paper.

2.2 Since the creation of Doc 9854 - Global ATM Operational Concept (GATMOC), it has been stated that information is at the heart of the entire ATM system. Digitisation and information management are fundamental to the modernisation of the air navigation system, as they support the exchange of quality data to attain a highly efficient system. Information areas such as aeronautical information, flight and flow or meteorology, have started the transition towards a modern means of information provision.

2.3 It has been noted that system-wide information management must be quality-assured, interoperable and with security measures in place to protect the information.

2.4 ICAO has restructured the Annexes related to the generation of information and data to support air navigation, in order to provide a frame of reference and the regulatory framework for the exchange of information in digital and interoperable formats. In this regard, the documentation related to meteorological information services, the provision of aeronautical information services, manuals for the exchange of information in standardised models and for the governance of SWIM have been restructured.

2.5 The PANS-IM is a further step towards this framework. The objective of the creation of Documento - PANS-IM is to provide to all members of the ATM community a frame of reference for the necessary interoperability and harmonisation of a modern means of information exchange, based on a service-oriented architecture, according to the nature and timing of the information and the specific needs of each member. It also includes the removal of any barriers between systems and data domains, so that unified interfaces can be used, providing seamless access to global information.

2.6 As can be seen, the aforementioned letter presents the proposal of amendment to ICAO Annex 15 and Doc 10066 PANS-AIM in Attachments B to H.

2.7 States should have conducted a thorough analysis of these proposals of amendment because they entail important changes to aeronautical information management and training of AIS/AIM personnel. As you may note, Attachment C presents a proposal of amendment to Annex 15 and the PANS-AIM concerning the competency-based training and assessment methodology (CBTA).

2.8 States should take measures to adopt the amendments proposed in the aforementioned letter.

2.9 The Secretariat plans to conduct a workshop on PANS-IM in the first quarter of 2024, in order to build the capacity of States for the implementation of the amendments to Annex 15 and Doc 10066 - PANS-IM, as well as the requirements included in the first edition of PANS-IM.

2.10 The Meeting may note that the letter mentions two additional documents, which are not yet available. According to paragraph 3 of the letter, at the time of drafting, the Manual on System-Wide Information Management (Doc 10039) and the Manual on Information Security, which are referred to in the notes to the proposed amendment on system-wide information management and information security (included in Annex H), were still under development; however, they are expected to be published before the envisaged date of application of the proposed amendment.

2.11 The Meeting should note that the effective date of application of the proposed amendments contained in Attachments B to H is 28 November 2024, according to paragraph 6 of the cited letter.

3. **Conclusion**

3.1 This first edition of the PANS-IM focuses on information exchange. Although this edition includes some information collection and processing elements, the key provisions of these activities are addressed in the different information areas.

3.2 There is an urgent need to review the profile of the new AIS professionals in order to prepare them for information management in a digital and interoperable environment.

3.3 States should foster the exchange of information in interoperable and quality-assured formats. The implementation of standard information exchange models is a fundamental step towards this end.

3.4 The Secretariat, together with the States, is working at the regional level to achieve this interoperability and to develop all the enablers for the implementation of system-wide information management (SWIM).

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