



ICAO

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INFORMATION PAPER

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Integrated Aeronautical Information Management Transition Planning Meeting (IAIM) (AIM Strategy)
Mexico City, Mexico, 29 to 31 October 2018

Agenda Item 5: CAR Region AIM prioritization. Development of Regional Implementation Plan

ADVANCES IN THE APPLICATION OF AIM ROADMAP IN THE REPUBLIC OF CUBA

(Presented by Cuba)

EXECUTIVE SUMMARY	
This information paper describes the progress in the application of the ICAO roadmap for the transition from AIS to AIM in the Republic of Cuba	
<i>Strategic Objectives:</i>	<ul style="list-style-type: none">• Safety• Environmental Protection
<i>References:</i>	<ul style="list-style-type: none">• Fourth NAM/CAR Air Navigation Implementation Working Group Meeting (ANI/WG/4) Draft Report• National Strategic Plan of Transition to the AIM• ICAO Roadmap for the Transition from AIS to AIM

1. Introduction

1.1 To meet the new requirements derived from the Global Air Traffic Management Operational Concept, aeronautical information services are transitioning to a broader concept of aeronautical information management, with a different method to provide and manage information.

1.2 Based on the conclusions and decisions emanating from the global and regional meetings mandated by ICAO, the Republic of Cuba is working intensively to achieve an effective transition from AIS to AIM.

1.3 In this way, a National Strategic Plan of transition to the AIM was elaborated based on the ICAO Roadmap, which includes an action plan that allows the follow-up and progressive fulfilment of the steps defined for the different phases.

2. Development

2.1 The National Plan, like the Roadmap, consists of three fundamental phases to achieve the transition; the details of the state of the elements in each of the phases are detailed below.

Phase 1. Consolidation			
Step No.	Element	State	Comments
P-05	WGS- 84	implemented	The System was implemented since 1998
P-17	Quality QMS	implemented	The system has been certified several times and the next certification is expected with the ISO 9001-2015 standard next year
P-03	AIRAC adherence monitoring	implemented	With the AIRAC system the pertinent amendments and publications are made as required
P-04	Monitoring of States' differences to Annex 4 and Annex 15	implemented	There is a system to monitor the differences and even through the new EFOD tool the differences with respect to SARPS and PANS are reported. The differences are also updated through the AIP.

Phase 2. Going digital			
Step No.	Element	State	Comments
P-11	e-AIP	In process	The e-AIP module that supports the AIXM version 5.1 was acquired. The acquisition of the module for the processing of the cartography that would complement the integrated publication of AIP is still pending
P-06	Integrated aeronautical information database		
P-08	Aeronautical information conceptual model		
P-13 P-14	e –TOD	In process	Obstacle data from Areas 2 and 3 are available at two airports, Havana and Varadero. The terrain data for Areas 2 and 3 are still pending for these airports. In Area 1, the obstacle data of more than 100M and the digital elevation model were completed

Phase 3. Information management			
Step No.	Element	State	Comments
P-10	Communication networks	In process	Under development the Cuban AMHS, which has already carried out interoperability tests with several adjacent FIRs
P-16	Training	In permanent process	All the staff have been taught the New AIM Concept Course, Seminars have been held on the ICAO roadmap for the transition to AIM as well as SWIM and WXXM
P-18	Agreements with data originators	In process	The agreements in force with all data originators are maintained, improving the quality procedures in this regard

2.2 As a summary, it can be concluded that the AIM Implementation Schedule by phases designed by the State of Cuba is as follows:

Phase 1: Completed.

Phase 2: To be completed on estimated date 2019

Phase 3: To be completed on estimated date 2020.

3. Conclusions

3.1 Aeronautical information has become a crucial and critical component of the present and future ATM system and has to be developed to satisfy the AIS service covering all phases of the flight.

3.2 The roadmap for the transition from AIS to AIM has served our State with practical guidance and planning advice regarding the development of implementation and financing strategies that are necessary for the global plan initiatives related to aeronautical information. It has also provided us with a strategic positioning to promote the continuous improvement of aeronautical information services in terms of quality, punctuality and identification of new services and products to provide better services to aeronautical users.

3.3 The strategy for the gradual implementation of the AIM in Cuba was developed based on these objectives of identifying important requirements and components of an Aeronautical Information Management capable and sufficient to support the demands that the CNS/ATM navigation demands. The establishment of stages of gradual compliance from 2007 and up to 2020, which include in their development human resources and investment planning, has been of vital importance for the future projection of the specialty in our country.