International Civil Aviation Organization
North American, Central American and Caribbean Office

INFORMATION PAPER

**Fourth North American, Central American and Caribbean Working Group Meeting
(NACC/WG/4)**
Ottawa, Canada, 24 to 28 March 2014

Agenda Item 3:	**Follow-up on the NAM/CAR Regional Performance-Based Air Navigation Implementation Plan (NAM/CAR RPBANIP) Progress** **3.3 ANI/WG and other regional group progress reports**

AIM TRANSITION ADVANCE

(Presented by COCESNA)

EXECUTIVE SUMMARY		
This paper presents information on the advances in the transition of AIS to the AIM experienced in COCESNA, after the NACC/WG/3.		
Strategic Objectives:	•	Safety
	•	Air Navigation Capacity and Efficiency
References:	•	COCESNA´s transition plan from AIS to AIM

1.   Introduction

1.1   During the NACC/WG/3 meeting it was reported that COCESNA had a transition plan from AIS to AIM, which is related to the three phases of the ICAO AIM Roadmap.

1.2   In March 2013 it was updated this transition plan, according to the progress made and new projections in the fulfillment of the three phases of the AIM Roadmap

2.   Advance in the AIS to AIM transition

Phase 1

2.1   This phase has been totally completed, but to take some steps that require follow-up it can highlight its advance as follows:

- *Implementation of WGS-84* Aeronautical Charts developed by AIM COCESNA, for the Central American AIP, in collaboration for the AIP of some States that have requested the help of COCESNA, is geo-referenced to WGS-84.

- ***Quality in regard with quality requirements.*** AIM COCESNA has implemented a quality management system since 2007, has a certificate ISO 9001-2008, having already passed several audits of bodies certifying Auditors to the management integrated system of the Organization, as well as in AIS audits for the States of: Belize, Costa Rica, El Salvador, Honduras and Nicaragua.

Phase 2

2.2   Phase 2 is under development and the most important developments can be mentioned below:

- ***Conceptual model of aeronautical information.*** AIM COCESNA has made some approaches with support of IT staff, for the incorporation of the model of exchange of information and aeronautical data (AIXM), the electronic version of the Central American Aeronautical information Publication (AIP),and allow common and standardized exchanges between regional databases. At the same time this 2014, on the occasion of the modernisation of the extended AMHS, assesses also software alternatives for AIM*;*

- ***Aerodrome Charts.*** Regarding electronic aeronautical charts, highlights the AIM COCESNA the treatment of the integrated documentation in application of Amendment No 56 of the Annex 4 - *Electronic aeronautical charts*, applicable since November 18, 2010, the Amendment 36 Annex 15 - *Aeronautical information services*, as well as Amendment No 37 to Annex 15, Amendment 57 Annex 4 applicable after November 14, 2013, as most recent amendments that mark an important step towards the introduction of the PANS-AIM concept. As well as subsequent amendments to Annexes 4, 11, 14 and 15, and ICAO Doc 8126 this includes some modifications.

Phase 3

2.3   Phase 3 has partial progress, some examples to highlight are as follows.
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- ***Communications networks.*** COCESNA is currently in the process of modernization of its microwave network. The main features of this new communications network based on IP technology, will allow a better integration with current and future services. The microwave network will become the new main platform of aeronautical communications of voice and data in Central America for use of COCESNA, Civil Aviation Authorities (DGAC), and International Airports.

- *Training.* This step has been considered in all three phases, because the formation of the personnel will adapt to the new requirements that introduce the transition to the AIM in the matter of skills and competitions, these will support to the responsible areas in COCESNA to adapt the training manual, according to the new requirements. The reclassification of positions and the functions of personnel AIM partially have been adapted since 28 January 2013, and will be evolving according to the description of knowledge and competitions for each AIM specialist.

- *Aeronautical electronic charts.* AIM COCESNA has presented significant advances in the implantation of a Geographic Information System (GIS), which in addition to the elaboration of aeronautical cartography, allows to the detection of inconsistencies in the information management/data originated by the States and that need to correct them before being published in the digital and printed versions of the Central America AIP.

3. **Suggested action**

3.1   The Meeting is invited to consider the contents of this informative paper.

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