



Agenda Item 6: Other matters

Training Requirements of Aeronautical Information Personnel

(Presented by the Secretariat)

SUMMARY	
<p>This working paper compares the current level of training of aeronautical information experts in the South American Region with what would be the desired level of training to provide them with the capabilities and skills required to complete the implementation of the DATM Block as the basis for the future implementation of SWIM-related blocks.</p>	
References:	
<ul style="list-style-type: none">• Annex 15 to the Convention on International Civil Aviation• AIS-to-AIM Roadmap• ANIP Version 1.4• SAM/AIM multilateral meetings	
ICAO strategic objectives:	<ul style="list-style-type: none"><i>A - Safety</i><i>B – Air navigation capacity and efficiency</i><i>C – Environmental protection</i>

1. Introduction

1.1 Version 1.4 of the SAM Performance-Based Air Navigation Implementation Plan (ANIP) seeks to establish an implementation strategy aimed at deriving benefits for the ATM community, based on user requirements, air navigation infrastructure, and available and foreseen aircraft capabilities. This document assigns high priority to environmental protection, training, and safety.

1.2 SAM/AIM meetings held since 2011 monitor the transition from AIS to AIM being conducted by States, and serve to quantify the progress made and identify gaps in the implementation of the different phases of the AIS-to-AIM roadmap.

2. Discussion

2.1 Some SAM States have completed the first phase of the AIS-to-AIM transition, but still have some deficiencies due to lack of training of experts in the field. The States that have completed the

first phase of the Roadmap are Brazil, Chile, Ecuador, French Guian, and Paraguay, which hold the Quality Certification that enables them to migrate to the second digital phase.

2.2 The initial assumption in this analysis is that implementation deficiencies are closely related to the level of training of experts in the field.

2.3 The sixth SAM/AIM meeting (November 2014) identified some training requirements for AIM professionals, *inter alia*:

- ATM operational concept;
- ASBU concept;
- PBN application and its cartographic representation;
- Quality, integrity, and timely distribution of AIS products;
- Standard models for the establishment of databases of integrated aeronautical information, terrain, obstacles and aerodrome mapping data;
- Metadata management across the aeronautical information data supply chain;
- Data protection systems;
- Data packaging for electronic use;
- Collection of electronic terrain and obstacle data (eTOD);
- English language in aeronautical publications;
- Cartography and geoid undulation to be represented in aerodrome and heliport maps;
- Use and application of geographic information systems (GIS);
- Volcanic ash and ASHTAN (including States with no volcanic activity)

2.4 Obviously, all of the aforementioned requirements do not correspond to any particular State. Instead, all the States of the Region have one or more of such requirements.

2.5 The sixth SAM/AIM meeting deemed it necessary to establish customised training programmes and plans for each State, based on the requirements described in this working paper and/or others identified by the State itself, and which are related to the implementation of the phases described in the AIS-to-AIM Roadmap.

2.6 The SAM/AIM/6 also saw the need to provide training to AIM professionals, experts, technicians, and officials in a 5-year programme.

2.7 Accordingly, the States should submit their AIM training plans, as well as information on the training provided to the AIM unit during 2014 in order to keep a record of the training provided and compare it with the training required in order to define future plans.

3. **Suggested action**

3.1 The Meeting is invited to:

- a) submit the AIM training plans of each State;
- b) provide information to the Meeting on training provided during 2014.

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