



**SECOND GREPECAS PROGRAMMES AND PROJECTS REVIEW COMMITTEE (PPRC)
 (ePPRC/02)
 30 October 2020**

**Agenda Item 2: Follow-up on GREPECAS Programmes and Projects
 2.3 CAR/SAM AIM Projects**

ACTIVITIES RELATED TO GREPECAS G PROJECTS IN THE SAM REGION

(Presented by the Secretariat)

EXECUTIVE SUMMARY	
<p>This working paper presents the reports of the activities carried out under the AIM Program Projects, in addition to the achievements made in the development of these projects in the SAM Region.</p>	
Action:	The indicated in ítem 5.1
Strategic Objectives:	<ul style="list-style-type: none"> • Air navigation capacity and efficiency • Environmental Protection
References:	<ul style="list-style-type: none"> • Annex 15: Aeronautical Information Services • Doc. 9750 - Global Air Navigation Plan (GANP) • Doc. 10066 - PANS-AIM • Report of the Fifth Meeting of the GREPECAS Programmes and Projects Review Committee (PPRC/5) • Report of the Thirteenth Multilateral Meeting of the SAM Region for the Transition from AIS to AIM (SAM/AIM/13)

1. Introduction

1.1 The Fifth Meeting of the GREPECAS Programmes and Projects Review Committee (PPRC/5) took note of the activities carried out by the AIM Program Projects in the SAM Region.

1.2 The Sixth Edition of the GANP redistributed some modules of the Aviation System Block Upgrades (ASBU), within Blocks 1, 2, and 3, among them DAIM and SWIM.

1.3 The situation of the COVID-19 pandemic has made it necessary to rethink the activities of the projects planned for 2020. In this context, the SAM/AIM/13 has been carried out in virtual format.

2. Analysis

2.1 PPRC/5 requested the review of the projects under the AIM program, in order to update and standardize them in both regions.

2.2 The restructuring of ICAO Annex 15 and the issuance of Doc. 10066 PANS-AIM, defined the reference framework for the exchange of aeronautical information in an electronic environment.

2.3 The GANP restructuring requires the revision of the Regional Air Navigation Plan, a document in which the MET requirements are part.

2.4 Due to the situation of the COVID-19 pandemic, the secretariat carried out follow-up activities of the projects, in virtual format. In this context, SAM/AIM/13 and 3 other teleconferences with AIM focal points have been carried out.

3 Activities of the Projects under the AIM Program (G Projects)

Project G1 - Implementation of TOD

3.1 The States of the SAM Region have registered progress in relation to TOD. The States that have made the most progress since the last PPRC are:

- ✓ Brazil: Will make the data of 34 airports available on a website. The company hired for the task uses the techniques of photogrammetry, laser, radar image, topographies and others. The Project is carried out by the Aeronautical Cartographic Institute (ICA).
- ✓ Chile: Currently, they have lifted obstacles in 5 airports and one is in process. In addition, they are working to make the data available through a portal that they are preparing with ESRI, but this has no application date yet.
- ✓ Colombia: The purchase of software that allows the work of dynamic data is in process, as well as the survey of obstacle data. If all the processes are fulfilled, they could have the data for December 2021.
- ✓ Ecuador: they are working to lift obstacles through the use of drones and with the advice of IFAIMA experts.
- ✓ Peru reported that they are working in a coordination group between the Authority and CORPAC S.A, in a first phase. In a second phase, they will work with the other aerodrome operators.
- ✓ Panama, in turn, reported that Tocumen S.A. has carried out the lifting of the obstacles and that they have sent the data to the Authority. Also, there are the Panama Pacifico data surveys.
- ✓ Uruguay reported that they are in raw undefined meetings with e-TOD data providers They have established working groups with the companies that carry out

the obstacle lifting work and are in the process of preparing a tender to acquire a system to process this data.

- ✓ Venezuela: They are working on the collection of new or additional data by means of the Aerophotogrammetry technique supported by GNSS measurements. Work has started this year for the Simon Bolívar International Airport of Maiquetia with the greatest influx of air traffic, following the Margarita Airport, Barcelona, Maracaibo, Valencia, the other international airports and others of national interest.

Project G2- Implementation of a Standard Model for the Exchange of Aeronautical Information

3.2 In relation to this point, the States present progress in the implementation of a Standard Model for the exchange of aeronautical information. The advances observed are the following:

- ✓ So far, Brazil and Panama already have an electronic version of the AIP.
- ✓ Argentina, Chile, Colombia present progress in the implementations.
- ✓ Paraguay has acquired the software for the preparation of the AIP in electronic format and they have carried out training in the use of it

G4 Project - Implementation of the quality management system in the AIM processes (QMS/AIM)

3.3 The Secretariat has carried out follow-up actions, in relation to this point, with the States that have not yet completed the implementation and certification process, or that have not achieved recertification with the new version of the ISO 9001:2015 Standard. The States provided the following information:

- a) Argentina: Has not made progress due to the change in the ANAC Authority, which leads to a rethinking of the processes, and the situation of the COVID-19 pandemic;
- b) Bolivia: Regarding what was reported in 2019, the fifth phase of planning that had been drawn up with the service provider is currently in process. For November of this year, the completion of the implementation process and then start the certification process. They will do an analysis with the provider on the feasibility of meeting this deadline, but it will most likely be delayed to December 2020 or January 2021;
- c) Colombia: The process is being reviewed and shared with all information providers and they are working with the GISNA to improve the tool. If all the steps are completed, the certification audit could be requested for July 2021;
- d) Ecuador: They are currently working on a process with the Planning area in order to complete the implementation process for the AIM, MET and ETAC areas. They had a first stage planned, but they cannot specify dates or current status due to the situation of the pandemic;

- e) Guyana: Is working on the adaptation of the documentation and in the training of personnel in the requirements of the Standard. They foresee that the documentation would be ready by November 2020;
- f) Venezuela: With the unification of the AIS and COM services, work was done on a process restructuring plan, which included the review of documents and training. The situation of the pandemic, added to the renewal of personnel, has made it difficult to carry out this planning. The implementation team continues working, all the documentation is already updated and an e-learning course is being prepared to induce new workers in both areas in the requirements of the ISO 9001 Standard.
- g) Suriname: No information has been reported in this regard.

3.4 Additionally, the Secretariat requested information from the States, which have it implemented and certified, on possible difficulties that could arise in the recertification processes due to restrictions because of the pandemic. In this regard, the States commented on the following:

- a) Brazil: It was recertified in 2019. This year they must have a follow-up audit;
- b) Chile: The recertification process must be carried out in August 2021;
- c) Paraguay: The recertification audit should have been carried out in April 2020. It had been postponed to June, but they have negotiated with the certifying entity to postpone it until later;
- d) Peru: They have had a follow-up audit. The certification is valid until 2021 but the quality team continues working to comply with all the requirements of the Standard;
- e) Panama: The recertification audit should be carried out in November 2020. They are working with the tender, and will probably postpone it to December 2020;
- f) Uruguay: They must have a follow-up audit in July 2020. The internal audit could not be carried out due to the situation of the pandemic

4 Other actions implemented and activities planned for 2021

4.1 The Secretariat, in preparation for the participation in the workshops for Volume III of the CAR/SAM e-ANP, has organized two sessions with the MET Focal Points, designed to use the GANP Portal and carry out a SWOT Analysis of AIM services in the SAM Region.

4.2 Likewise, the preparation of a Contingency Plan for the AIM is carried out.

4.3 Additionally, a teleconference has been held to evaluate the activities that should be focused for 2021, in the AIM area. The list of recommended activities to carry out in 2021 are listed below:

- ✓ Course on AIXM 5.1
- ✓ Training on the preparation and use of the e-AIP
- ✓ Preparation of a Regional Training Guide for AIM based on the new requirements of Annex 15 and Doc. 10066 PANS-AIM.

- ✓ Update Course for Lead Auditors of the quality management system (ISO 9001: 2015 Standard)

5 Suggested actions

5.1 The Meeting is invited to:

- a) Take note of the information contained in the working paper;
- b) Support the implementations of the AIM area for the SAM Region;
- c) Pay special attention to the implementation of the PANS-AIM requirements, essential for a transition to SWIM; and
- d) Other actions that the Meeting deems appropriate.