



SAM/IG/2
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**International Civil Aviation Organization
South American Regional Office**

**SECOND WORKSHOP/MEETING OF THE SAM IMPLEMENTATION GROUP (SAM/IG/2)
REGIONAL PROJECT RLA/06/901**

Lima, Peru, 3 to 7 November 2008

Agenda Item 2: Implementation of performance-based navigation (PBN) in the SAM Region

Survey on the PBN capacity of the aircrafts in the SAM Region Fleet

(Presented by the Technical Committee of the SRVSOP)

SUMMARY

The objective of this working paper is to present a proposal for carrying out an survey on the PBN capacity of the aircrafts in the SAM Region fleet, with the purpose of generate a data base to support the PBN implementation in the Region.

References:

- RLA/99/901 Regional Project
- Report SAM/IG/1

1 Background

1.1 During GREPECAS/14 (San Jose, Costa Rica, 16 – 20 April 2007) an implementation strategy for performance-based navigation (PBN) in the CAR and SAM Regions at short-term (until 2010) and mid-term (2011-2015) was set, which was included in Document CAR/SAM PBN Roadmap. In view of the above, the GREPECAS/14 meeting approved Conclusion 14/46, “*CAR/SAM Roadmap for PBN*”, encouraging States/Territories/International Organizations to adopt and apply the CAR/SAM PBN Roadmap, as approved by GREPECAS.

1.2 In this sense, a series of activities has been considered which are addressed to the implementation of a strategy for performance-based navigation (PBN). Among this activities it has been identified the necessity of obtaining and completing information, taking note on the current situation of the States and participant organizations, in respect of the aircraft fleet that operates in the ATS routes of the SAM Region and its RNAV and RPN capacities, including their faculties for arrival proceedings based on the flight management system (FMS) and users future plans, as well as their capacity for airworthiness and operations approval.

2 Discussion

2.1 In the previous framework, the Safety Oversight Cooperation System (RLA/99/901) is supporting the operational approval required for the PBN implementation. The operational approval process includes the evaluation of the aircraft and airline capacities for especial operations approval, such as RNAV 1, RPN 10 AR APCH, etc.

2.2 When analyzing the impact of the PBN implementation in the Regions and how to support it, a doubt arose on the PBN capacity of the total fleet of the Region, reveling a lack of data and also pointing the necessity to organize a data base for understand the status of all aircraft that operate in the Region, and with that, to joint in an assertive way, the PBN implementation.

2.3 In this regard, it is proposed to carry out a survey in all States of the SAM Regional, for identify each aircraft by its Registry versus its PBN capacity. Likewise, taking into consideration that this survey is addressed to all aircraft registered in each State, it is recommended to perform the survey considering phases for collecting the information.

2.4 In this sense, the following is proposed:

Task		Date
1. Drafting a form where the aircraft and its list of capacity can be identified, knowing the avionic equipment installed in it.		Dec. 2008
2. Carry out a survey in the SAM Region States.	Collection of data from aircrafts that operate in commercial flights with more than 5 700 kg. of MTOW	Mar. 2009
	Collection of data from Aircraft that operates in commercial flights with less than 5700 kg of MTOW	Jul. 2009
	Collection of data from all Aircraft registered in the Region.	Dec. 2009

3 **Suggested action**

3.1 The meeting is invited to:

- a) Take note of the information provided in this working paper;
- b) Review and comment on the proposal for carry out a regional enquiry aimed at knowing the PBN capacity of the fleet; and
- c) Comment on the proposal for collecting the query data in through phases.

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