



International
Civil Aviation
Organization

Organisation
de l'aviation civile
internationale

Organización
de Aviación Civil
Internacional

Международная
организация
гражданской
авиации

منظمة الطيران
المدني الدولي

国际民用
航空组织

Ref.: LN3-24.1 - SA5921
LT2/6B.60

Lima, 8 December 2014

To: Mr. Jean-Michel Boivin, Regional Director of Civil Aviation, West Indies and French Guiana
Mr. Zulficar Mohamed, Director General, Civil Aviation Authority, Guyana
Mr. Falisie Jozef Pinas, Minister of Transport, Communication and Tourism, Suriname

Subject: **RLA/06/901 Regional Project – Third Workshop on PBN Airspace Design in the SAM Region**
(Lima/Peru, 9 to 13 March 2015)

Action
required: Take note and nominate participants no later than 3 February 2015

Sir,

I have the honour to address you this letter with reference to commitments assumed by States through ICAO Assembly Resolution A37-11, adopting the global implementation of Performance Based Navigation (PBN), the Declaration of Bogota, the activities developed under the frame of GREPECAS PBN A1 Project (ASBU: B0-CCO and B0-CDO), as well as the agreement adopted by SAM/IG/14 Meeting (Lima, Peru, 24-28 November 2014).

In such sense, considering the high priority on the ATM work program of the SAM Office assigned to perform the PBN implementation and taking into account that SAM States have asked to extend training to ATM expert in order to support and facilitate PBN implementation at Terminal Areas level, two workshops on PBN Airspace Design were successfully held on 2014; in Bogota, Colombia, from 12 to 23 May 2014 and in Lima, Peru, from 8 to 12 September 2014. During the first workshop we developed a practical training on PBN terminal area design, selecting one high complexity TMA (Bogota) and one medium/simple TMA (Asuncion). During the second workshop, we achieved the preliminary PBN designs and work program of TMAs selected for each SAM State, by receiving specific recommendation to aim and allow correction, optimization and harmonization of the proposed designs; which would be analyzed by each Administration.

In order to continue with the PBN implementation in the TMAs chosen, please be reminded that as established in the Second workshop on PBN Airspace Design in the SAM Region, the SAM/IG/14 meeting agreed on the developing of conducting planification, design and validation activities by each State, adopting then the Conclusion SAM/IG/14-3 (***PBN implementation in the South American TMAs***).

Taking into consideration the need to progress in the PBN implementation in the SAM Region, the SAM/IG/14 meeting agreed on the Conclusion SAM/IG/14-2 (***Meetings and necessary resources for the development of Action Plan activities for the SAM Airspace optimization***), through which it is proposed to the RLA/06/901 Coordination Committee, the inclusion of the number/duration of activities related to the above mentioned implementation during 2015 and 2016, in view of ensuring the accomplishment of the compliance of the goals established in the Bogota Declaration . In **Attachment A** you will find the objectives and the requirements of this Workshop.

In such sense, I am pleased to inform you that subject to the approval of the RLA/06/901 Eight Coordination Committee Meeting, to be held on Lima, Peru, 25-27 February 2015, the **Third Workshop on PBN Airspace Design in the SAM Region** is planned to be held in Lima, Peru, **9-13 March 2015**, the main purpose of which is to validate the PBN designs for the TMAs and/or airspaces selected by SAM States from the safety and efficiency point of view.

I would like to emphasize the importance of the profile and the continued participation of experts in the various events of this nature to be carried out during 2015, in order to ensure the achievement of the expected objectives (see **Attachment A**).

Finally, it is important to highlight that the implementation of the Version 03 of the route network depends on a consistence and harmonized performance on SAM TMAs and that delay in the project of one or more States could affect the rest of the States, including the PBN Implementation Regional Project as a whole.

Mr. Julio de Souza Pereira, Regional Officer ATM/SAR (jpereira@icao.int) and Mr. Roberto Arca Jaurena, Regional Officer ATM/SAR/AIM (rarca@icao.int), of the ICAO South American Office, are the designated focal points for this Workshop and are willing to assist you in case the experts have any question/advice that need to be solved.

Accept, Sir, the assurances of my highest consideration.



Franklin Hoyer
Regional Director
ICAO South American Office
Lima

Enclosure
As indicated

cc: Mr. Olivier Jouans, Regional Director of ATM services, West Indies and French Guiana
Mrs. Thelma Douglas Pinas, Permanent Secretary, Ministry of Transport, Communication and Tourism, Suriname
Mr. Robby Venlo, acting Director of Civil Aviation Department, Suriname
Mr. Brian De Souza, acting Director, CASAS, Suriname

ATTACHMENT A

PBN TRAINING STRATEGY

SAM/IG/14 Meeting (Lima, Peru, 14 to 28 November 2014), adopted the Conclusion SAM/IG/14-3 (*PBN implementation in the South American TMAs*), in view of continuing with the PBN implementation process in the principal South American TMAs calling upon the States to meet the following requirements:

- a) Develop an implementation action plan for the incorporation of the PBN airspace concept in the TMA/airspace selected in order to shape the PBN Project in the SAM Region.
- b) Supplement the compilation and processing of data, in view of providing consistency to the PBN design of the TMA and/or airspace selected by the State.
- c) Develop, if necessary, a new PBN airspace concept, based on the compilation, processing of data and recommendations of the PBN/2 Workshop.
- d) Perform the validation phase of the preliminary design, considering the minimum requirements mentioned in the summary of the PBN/2 Workshop.
- e) Review, if necessary, the airspace concept based on the validation results, until a satisfactory PBN design is obtained in order to follow up to the implementation phase, that should be presented during the PBN/3 Workshop.
- f) Send the preliminary PBN design of the TMA and/or airspace selected, to this Regional Office (icaosam@icao.int), before 20 February 2015.
- g) Participate in the teleconferences that will be held on following dates:
 - 18 December 2014
 - 05 February 2015
 - 25 February 2015

The objective of these preparation PBN/3 Workshop teleconferences is to resolve any doubts, as well as to seek a preliminary harmonization between the designs and action plans, to be submitted to this Regional Office.

The PBN Airspace Design workshops are targeted to train participants on the application of PBN in both Terminal Areas (TMA) and en-route, including ATM/COM/NAV/SUR capabilities of States, as well as traffic volume, fleets mix, equipment and traffic flows to solve real operational problems in a selected airspace. The philosophy will be to apply an end-to-end approach along a significant traffic flow.

During the Third Workshop on PBN Airspace Design in the SAM Region, it is intended to validate the PBN designs for the TMAs and/or airspaces selected by SAM States from the safety and efficiency point of view.

Regarding the optimal profile of participants, it is recommended that States send at least one expert on airspace planning, with experience in terminal area and/or route design, and one qualified expert in instrument procedure design, with experience in the use of Auto-Cad software or other computer design tools, to attend the workshop. Participants are expected to work directly on the design and implementation of the selected terminal area, defining clear dates and milestones for the incorporation of the new airspace structure and will be responsible to submit their basic preliminary design in the upcoming workshops, for its harmonization and improvement, along with an implementation action plan.

Additionally to the required specific profile, it is considered that procedure designers and airline pilots/technicians/operation engineers would be of special assistance in the workshops for the assessment of procedures and to illustrate participants on the performance of different types of aircraft.

Considering the scope and importance of this event, in order to optimise training it is deemed advisable for the participating experts to have plans to remain in the Administration for at least 5 years after training is completed, in order to ensure the transfer of knowledge to other experts and achieve an optimal implementation of PBN. Moreover, in order to achieve the proposed objective, it is desirable that the participants of these workshops should be the same.
