



**Agenda Item 3: Implementation of performance-based navigation (PBN) in the SAM Region**

**STATUS OF IMPLEMENTATION OF THE ACTIVITIES FOR THE IMPLEMENTATION OF  
RNAV 5 IN SAM STATES**

(Presented by the Secretariat)

**Summary**

This working paper presents a checklist concerning the status of implementation of the tasks assigned to the States, so that the Meeting may decide whether to continue with, or postpone, the implementation of RNAV5.

**References:**

- Annex 11 to the ICAO Convention
- Doc. 9613, Manual on Performance-Based Navigation
- SAMIG/5 Meeting Report
- PBN Implementation Project – Short-term en-route operations in the SAM Region
- Proposal of amendment to the ICAO Regional Supplementary Procedures, Doc. 7030/5 (Serial No. SAM-S 10/01, Chapters 2, 4, 6 and 9)

**OACI Strategic Objectives:**

*A – Safety*  
*C – Environmental Protection*  
*D – Efficiency*

**1 Background**

1.1 Based on the PBN Manual (Doc. 9613), CAR/SAM ATM Roadmap, and the PBN implementation programme for the South American Region, the SAM Implementation Group has developed the action plan for the implementation of RNAV 5 on the continental routes of the SAM Region. The implementation of the action plan started to be discussed at the SAM/IG/1 meeting held in April 2008, and reference documentation for use by the States of the Region has been developed within the framework of these meetings.

1.2 Regional procedures concerning RNAV5 are included in the Proposal of Amendment Serial No. SAM-S 10/01, Chapters 2, 4, 6 and 9, and will be included in ICAO Doc. 7030, Supplementary Procedures (see WP/7).

**2 Discussion**

2.1 At this meeting, the Implementation Group shall make the go/no go decision regarding the implementation foreseen for 18 November 2010. This decision must be adopted based on whether or not the States and airspace users are ready for RNAV5 implementation. In order to check the status of implementation of the tasks contained in the action plan, it has been felt convenient to find out directly from the administrations and users whether or not they have complied with all the phases of the plan.

2.2 The States, users and International Organisations have periodically checked all the activities and tasks required for complying with the RNAV 5 programme. **Appendix A** to this working paper contains a Checklist of Tasks, based on the information, conclusions and actions identified by the SAMIG. The Meeting should check the progress made in said tasks in order to decide whether to continue or postpone the implementation, taking into account that these tasks must be implemented in order to effectively complete the whole RNAV5 process.

2.3 The States, international organisations and airspace users have made an enormous effort and a significant investment to implement the RNAV5, as requested by GREPECAS pursuant to the PBN Roadmap and the corresponding action plan for the SAM Region. Consequently, civil aviation administrations, users, ATS providers and the ATM community in general are expected to report on the progress made in the assigned tasks in order to comply with the Implementation Programme on a timely basis.

2.4 Likewise, all stakeholders must be aware that a delay in the performance of RNAV 5 implementation tasks could affect not only the implementation of the Programme but also several investments already made. Therefore, SAM States and international organisations must take the necessary steps to comply with the agreements reached in order to attain a successful implementation of RNAV5.

2.5 Finally, it should be noted that, considering the number and diversity of items, activities and tasks to be carried out, most if not all of them should have been completed by this stage of the RNAV5 implementation process. The questions contained in the attached checklist refer to the core issue in question, it being understood that an affirmative response to that question would indicate that the corresponding process has been completed, and that only when a specific task or activity has not been completed, a brief explanation should be provided in the remarks section.

### 3. **Suggested action**

3.1 The Meeting is invited to:

- a) Take note of the information provided in this working paper;
- b) Review Appendix A to this working paper and assess the status of implementation of the tasks required for a safe implementation of RNAV 5 in the RNAV routes of the continental airspace;
- c) The Administrations that have not done so yet should submit, as soon as possible, the corresponding information, so that the Meeting may assess the status of implementation of the tasks; and
- d) Take any measure it deems appropriate in order to make the go/no go decision regarding RNAV 5 implementation based on the information received.

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<b>Conclusión/Tarea Conclusion/Task</b>	<b>ARG</b>	<b>BOL</b>	<b>BRA</b>	<b>CHI</b>	<b>COL</b>	<b>ECU</b>	<b>FGY</b>	<b>GUY</b>	<b>PAN</b>	<b>PAR</b>	<b>PER</b>	<b>SUR</b>	<b>URU</b>	<b>VEN</b>	<b>OBSERVACIONES REMARKS</b>
En caso de respuesta anterior afirmativa, ¿ha desarrollado procedimientos para acomodar aeronaves domésticas sin aprobación RNAV5?  In case that previous answer was positive, have you developed procedures for accommodating non-RVSM approved domestic aircraft?															
¿Ha actualizado las LOAs para contemplar la RNAV5?  Have you up dated LOAs for RNAV5?															
¿Está en contacto con las autoridades militares nacionales con relación a las operaciones RNAV5?  Are you liaising with State military authorities regarding RNAV5 operations?															
¿Se ha publicado o tiene planes para publicar el <i>Trigger</i> NOTAM  Has the Trigger NOTAM been published or do you have plans to publish it?															

**Instrucciones para el llenado del formulario - Instructions to fill in the form**

- Cumplida: colocar **SÍ** en el casillero correspondiente. / Accomplished: place **YES** in the corresponding box
- En ejecución: colocar **O/G** (on going) e indicar en “observaciones” la fecha prevista de término./ In execution: place **O/G** (on going) and indicate under “remarks” the estimated deadline
- No cumplida: colocar **NO** en el casillero correspondiente y, de ser el caso, hacer comentarios en columna de observaciones/ Not complied: place **NO** in the corresponding box and if such were the case, make comments in the remarks column