



SAM/IG/4
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**International Civil Aviation Organization
South American Regional Office**

**FOURTH WORKSHOP/MEETING OF THE SAM IMPLEMENTATION GROUP (SAM/IG/4)
REGIONAL PROJECT RLA/06/901**

Lima, Peru, 19 to 23 October 2009

Agenda Item 4: Standards and procedures for performance-based navigation operations approval

Review of job program for the development of Advisory Circulars (AC) related to PBN approvals

(Presented by SRVSOP Technical Committee)

Summary This paper presents a review proposal of the job program for the development of guidance material on PBN approvals
References: <ul style="list-style-type: none">• Regional Project RLA/99/901• SAM/IG/3 Report• PBN Roadmap CAR/SAM Region

1 Background

1.1 The PBN Route map of the CAR/SAM Region was approved by GREPECAS/14 with Conclusion 14/46 "PBN CAR/SAM Route map, which urged States/Territories and International Organizations its adoption and implementation.

1.2 In the referred Route map, the performance-based navigation implementation in CAR and SAM Regions in a short term (2011-2015) was included.

1.3 In the Third Workshop/Meeting of the SAM Implementation Group (SAM/IG/3) (Lima, Peru, 20 to 24 April 2009), the Meeting took note of the progress of the Job Program for the development of Advisory Circulars (AC) for PBN approvals.

1.4 On the matter, the Meeting considered that the progress on the job program submitted by the Technical Committee (TC) of Regional Safety Oversight Cooperation System (SRVSOP), was suited to regional needs, and consequently, the continuation of the work described was requested.

2 Discussion

2.1 After being approved by the General board of SRVSOP, the development of ACs to support the implementation of PBN in the region for the year 2009, the TC produced the following documents for SAM/IG/4:

- ✓ AC 91-001 – Aircraft and operators approval for RNAV 10 (designated and authorized as RNP 10);
- ✓ AC 91-003 – Aircraft and operators approval for RNAV 1 and RNAV 2 operations; and
- ✓ AC 91-006 – Aircraft and operators approval for Basic-RNP 1 operations.

2.2 With the purpose to develop the guidance material under the navigation specifications described in ICAO Doc 9613 – Performance-based navigation manual, it is proposed to consider the following rearrangement of the ACs that appears in the Appendix A to this working paper.

3 Suggested Action

3.1 The Meeting is invited to:

- a) Take note on the information provided in this working paper and appendix; and
- b) Approve the revised job program that provides guidance material and deadlines to support the implementation of PBN in the short to medium term.

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Appendix A

Revised Job Program for the development of Advisory Circulars related to PBN approvals

Navigation Specifications	Numbering of ACs	Titles	AC to be present in
RNAV 10 (designated and authorized as RNP 10)	AC 91-001	Aircraft and operators approval for RNAV 10 (designated and authorized as RNP 10) operations.	SAM/IG/4 19 to 23 October 2009
RNAV 5	AC 91-002	Aircraft and operators approval for RNAV 5 operations.	SAM/IG/2 03 to 07 November 2008
RNAV 1 and RNAV 2	AC 91-003	Aircraft and operators approval for RNAV 1 and RNAV 2 operations.	SAM/IG/4 19 to 23 October 2009
RNP 4	AC 91-004	Aircraft and operators approval for RNP 4 operations.	SAM/IG/5 19 to 23 April 2010
*RNP 2	AC 91-005	Aircraft and operators approval for RNP 2 operations.	*SAM/IG/6 18 to 22 October 2010
Basic-RNP 1	AC 91-006	Aircraft and operators approval for Basic-RNP 1 operations.	SAM/IG/4 19 to 23 October 2009
*Advanced-RNP 1	AC 91-007	Aircraft and operators approval for Advanced-RNP 1 operations.	*SAM/IG/6 18 to 22 October 2010
RNP APCH	AC 91-008	Aircraft and operators approval for RNP APCH operations.	SAM/IG/3 20 to 24 April 2009
RNP AR APCH	AC 91-009	Aircraft and operators approval for RNP AR APCH operations.	SAM/IG/3 20 to 24 April 2009
APV/baro-VNAV	AC 91-010	Aircraft and operators approval for APV/baro-VNAV operations.	SAM/IG/3 20 to 24 April 2009

* Tentative Dates. The final dates will be set once ICAO develops the RNP 2 and Advanced-RNP 1 navigation specifications.