



SAM/IG/3
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**International Civil Aviation Organization
South American Regional Office**

**THIRD WORKSHOP/MEETING OF THE SAM IMPLEMENTATION GROUP (SAM/IG/3)
REGIONAL PROJECT RLA/06/901**

Lima, Peru, 20 to 24 April 2009

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

Review of the job programme for the development of advisory circulars (AC) related to PBN operational approvals

(Presented by the Secretariat)

Summary

This working paper presents a proposal to review the job programme for the development of guidance material related to PBN approvals.

References:

- Regional Project RLA/99/901
- SAM/IG/2 Report
- CAR/SAM Regional PBN Route Map

1 Introduction

1.1 The CAR/SAM region Route Map was approved in GREPECAS/14 Meeting through Conclusion 14/46 “*CAR/SAM PBN ROUTE MAP*”, where States/Territories and International Organizations are invited to adopt, and apply it.

1.2 The implementation of performance based navigation (PBN) in CAR and SAM regions was included in referred Route Map in a short term (up to 2010) and medium term (2011-2015).

1.3 During the Second Workshop/Meeting of the SAM Implementation Group (SAM/IG/2) (Lima, Peru, 3 to 7 November 2008), the Meeting took note on the programme for the development of Advisory Circulars (AC) related to PBN operational approvals.

1.4 In this concern, the Meeting considered that the job programme presented by the Technical Committee (TC) of the Regional Safety Oversight Cooperation System (SRVSOP), was appropriate to the regional needs, reason why the schedule mentioned was approved.

2 Analysis

2.1 Once the SRVSOP's General Board approved the development of the AC to support the implementation of the PBN in the region, the TC began producing the assigned circulars for SAM/IG/3.

2.2 Taking into consideration the limits of the time assigned, the TC developed only three (3) AC which are detailed as follow:

- ✓ CA 91-008 – Aircraft and operators approval for RNP APCH operations;
- ✓ CA 91-009 – Aircraft and operators approval for RNP AR APCH operations; and
- ✓ CA 91-010 – Aircraft and operators approval for APV/baro-VNAV operations.

2.3 Documents not developed, although they should be presented in SAM/IG/3 are the following:

- ✓ CA 91-001 – Aircraft and operators approval for RNAV 10;
- ✓ CA 91-004 – Aircraft and operators approval for RNAV 1; and
- ✓ CA 91-007 – Aircraft and operators approval for RNP 1.

2.4 Considering that for SAM/IG/4 only an AC was programmed, it is recommended to develop for this meeting the ACs which were not developed for SAM/IG/3, according to the revised job programme mentioned in Appendix A enclosed to this working paper.

3 Suggested Action

3.1 The meeting is invited to:

- a) Consider the information given in this working paper and appendix; and
- b) Approve the revised job programme which establishes the guidance material, as well as the due dates, to support PBN implementation in short and long term.

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APPENDIX A

Revised job programme for the development of Advisory Circulars related to PBN approvals

Navigation Specifications	ACs Number	Titles	ACs to be presented in
RNP 10 (Designated and authorized as RNP 10)	CA 91-001	Aircraft and operators approval for RNP 10 operations	SAM/IG/3 20 to 24 April 2009
			SAM/IG/4 19 to 23 October 2009
RNAV 5	CA 91-002	Aircraft and operators approval for RNAV 5 operations	SAM/IG/2 03 to 07 November 2008
RNAV 2	A 91-003	Aircraft and operators approval for RNAV 2 operations	SAM/IG/4 19 to 23 October 2009
RNAV 1	CA 91-004	Aircraft and operators approval for RNAV 1 operations	SAM/IG/3 20 to 24 April 2009
			SAM/IG/4 19 to 23 October 2009
RNP 4	CA 91-005	Aircraft and operators approval for RNP 4 operations	SAM/IG/5 April 2010
RNP 2	CA 91-006	Aircraft and operators approval for RNP 2 operations	SAM/IG/5 April 2010
RNP 1	CA 91-007	Aircraft and operators approval for RNP 1 operations	SAM/IG/3 20 to 24 April 2009
			SAM/IG/4 19 to 23 October 2009
RNP APCH	CA 91-008	Aircraft and operators approval for RNP APCH operations	SAM/IG/3 20 to 24 April 2009
RNP AR APCH	CA 91-009	Aircraft and operators approval for RNP AR APCH operations	SAM/IG/3 20 to 24 April 2009
APV/baro-VNAV	CA 91-010	Aircraft and operators approval for APV/baro-VNAV operations	SAM/IG/3 20 to 24 April 2009