



SAM/IG/5
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**International Civil Aviation Organization
South American Regional Office**

**FIFTH WORKSHOP/MEETING OF THE SAM IMPLEMENTATION GROUP (SAM/IG/5)
REGIONAL PROJECT RLA/06/901**

Lima, Peru, 10 to 14 May 2010

Agenda Item 1: Follow up to Conclusions and Decisions adopted by SAM/IG

ACTIVITIES OF THE RCC/3 MEETING

(Presented by the Secretariat)

Summary	
This working paper presents information on the activities that were approved by the Third Coordination Committee Meeting (RCC/3) of Regional Project RLA/06/901 for its execution during the period May/December 2010.	
References: - Third Coordination Committee Meeting (RCC/3).	
ICAO Strategic objectives	<i>A: Safety</i> <i>D: Efficiency</i>

1 Background

1.1 The Third Coordination Committee Meeting (RCC/3) was carried out at the ICAO SAM Regional Office, Lima, Peru, from 22 to 23 April 2010. Seventeen delegates from the following States that participate in the Project assisted to the meeting: Argentina, Bolivia, Brazil, Chile, Paraguay, Peru and Uruguay, as well as the Officers from the ICAO South American Regional Office.

1.2 During the analysis of Agenda Item 5, participating States assessed the tentative project activities programme for 2010.

2 Analysis

2.1 The Committee analysed the tentative activities programme, proposed for the period May-December 2010, in order to continue with the achievement of expected results of Immediate Objectives 1, 2, and 3 of Regional Project RLA/06/901.

2.2 It was also recalled that through State Letter LN 3/24.1-SA5420 dated 23 December 2009, States participating in the project were informed that, within the activities required by the Implementation Group (SAM/IG), it was necessary to carry out the following training events during the first months of 2010, and agreement was requested to hold them:

- a) ATS Routes Optimisation Workshop (Lima, Peru, 1-5 March 2010),
- b) ATFM Course (Rio de Janeiro, Brazil, 22-26 March 2010),
- c) RNAV Approval Course (Lima, Peru, 22-26 March 2010)
- d) CDM Workshop, (Rio de Janeiro, Brazil, 29-30 March 2010), and
- e) BARO-VNAV Course (Lima, Peru, 6-16 April 2010)

2.3 No objections were received by States and the above-mentioned activities were carried out as planned.

2.4 The activities programme for 2010 is based on the results of the works carried out during the SAM/IG meetings, related to the programmes of:

- a) En-route PBN implementation, TMA and approach,
- b) ATS routes structure optimisation,
- c) Air traffic flow management
- d) Assessment of operational requirements to determine implementation of improvements of communications, navigation and surveillance capabilities for en-route and terminal area operations, and
- e) Operational implementation of new ATM automated systems and integration of existing systems.

2.5 In reviewing the list of the tasks proposed, the Committee felt that they responded to the requirements of regional implementation programmes and approved the project activities programme for the period May-December 2010 included as **Appendix A** to this working paper, which describes the tasks to be carried out, the expected results, dates of execution and resources required. Also, **Appendix B** shows the activities already carried out as explained in paragraph 2.2.

3 Suggested action

3.1 The meeting is invited to take note of the information provided, and if such were the case, to provide the comments deemed pertinent.

APPENDIX A

Regional Project RLA/06/901 Draft ATM and CNS activities programme for May-December 2010

1. EN-ROUTE PBN IMPLEMENTATION PROGRAMME (RNAV 5)

Task	Result	Site and execution dates	Resources required	Observations
Safety assessment required for RNAV 5 implementation and implementation of Version 01 of ATS Routes Network applying qualitative methodology using SMS.	PBN and new optimised ATS routes network implemented.	Lima, August	Three weeks mission of one expert plus a fellowship for each participating State. One week event.	
Seminar/Workshop on implementation of the new flight plan format (Amendment 1 to the 15 th edition of ICAO Doc 4444).	Guidance material to support States in the implementation of the new flight plan format and 15 experts of the Region trained.	Lima, 13 to 15 September	Two fellowships for each Participating State, 5 fellowships for non-participating States, simultaneous interpretation, translation of material.	
Second ATS Routes Optimisation workshop.	Version 01 of SAM ATS routes network and proposal for amendment to CAR/SAM ANP developed.	Lima, 23 to 27 August	Two fellowships for each Participating State, 5 fellowships for non-participating States, simultaneous interpretation, translation of material.	

2. IMPLEMENTATION PROGRAMME OF LA PBN IN TMA AND APPROACH

Task	Result	Site and execution dates	Resources required	Observations
RNP approval course	20 experts trained on aircraft and users approvals for RNP operations.	Lima, 17 to 21 May	2 fellowships for each participating State	

3. IMPLEMENTATION PROGRAMME OF AIR TRAFFIC FLOW MANAGEMENT

Task	Result	Site and execution dates	Resources required	Observations
Second Course on Air Traffic Flow Management (ATFM) and Collaboration in Decision Making (CDM)	15 experts of the Region trained in Air Traffic Flow Management and CDM concept.	TBD, November	One fellowship per participating State, 3 fellowships for non-participating, States simultaneous interpretation, translation of material	
Second Part of the ATFM Manual	Segunda parte del manual ATFM desarrollada	Lima, September	Mission of one ATM expert for 2 weeks	
CDM Basic Manual focused on ATFM	CDM Manual focused on ATFM prepared	Lima, September	Mission of one ATM expert for 2 weeks	

4. IMPLEMENTATION PROGRAMME OF COMMUNICATIONS, NAVIGATION AND SURVEILLANCE IMPROVEMENT CAPABILITIES

Task	Result	Site and execution dates	Resources required	Observations
Study of an ATN SAM network	Study for the implementation of an ATN SAM network including REDDIG and a possible regional ground network developed.	Lima, Peru 16 to 27 August	Mission of one CNS expert for 15 days	
Seminar surveillance and automation	15 experts of the Region trained in surveillance and automation systems, such as el ADS-B and multilateration	San Carlos Bariloche, Argentina, 6 to 8 December	One fellowship for each participating State, expenses for the assistance of 2 CNS Officers (Lima and Montreal), simultaneous interpretation expenses for three days	

5. OPERATIONAL IMPLEMENTATION PROGRAMME OF NEW AUTOMATED SYSTEMS AND INTEGRATION OF EXISTING SYSTEMS

Task	Result	Site and execution dates	Resources required	Observations
Asterix, AIDC and OLDI courses	15 experts of the Region trained on Asterix and AIDC and OLDI	Lima, 5 to 17 July	One fellowship for each Participating State	

6. IMPLEMENTATION PROGRAMME OF OPERATIONAL IMPROVEMENTS IN THE PROVISION OF AERONAUTICAL INFORMATION SERVICES

Task	Result	Site and execution dates	Resources required	Observations
Supplement AIC Model for PBN implementation containing applicable standards and procedures, including corresponding contingency flights.	Supplement AIC Model developed	Lima, July-August	Mission of one ATM expert ATM for 2 weeks	
Amendment to regional documentation, particularly to Doc 7030	Amendment to Doc 7030 in PBN and ATFM matters prepared	Lima, July-August	Integrated to the above activity	
AIC supplement model for ATFM implementation	AIC ATFM supplement model developed	Lima, July-August	Integrated to the above activity	

7 OTHER ACTIVITIES

Task	Result	Site and execution dates	Resources required	Observations
SAM Region Performance-Based Air Navigation Regional Implementation Plan	Draft performance-based implementation including all air navigation areas and metrics that enable the performance objectives achievement	Lima, September	Mission of 5 experts for 2 weeks each one, ATM, CNS, AGA, AIS and MET.	
Fifth SAM Implementation Workshop/Meeting (SAM/IG/5)	Assessment of material developed by Regional Project RLA/06/901 and follow-up of the work programme	Lima, 10 to 14 May	2 fellowships per participating State, 5 fellowships for non-participating States, simultaneous interpretation, translation of material	
Sixth SAM Implementation Workshop/Meeting (SAM/IG/6)	Assessment of material developed by Regional Project RLA/06/901 and follow-up of the work programme	Lima, 18 to 22 October	2 fellowships per Participating State, 5 fellowships for non-participating States, simultaneous interpretation, translation of material	

APPENDIX B**REGIONAL PROJECT RLA/06/901 ACTIVITIES PROGRAMME FOR THE PERIOD JANUARY-MAY 2010****1. IMPLEMENTATION PROGRAMME OF EN-ROUTE PBN (RNAV 5)****2. IMPLEMENTATION PROGRAMME OF TMA AND APPROACH PBN**

Task	Result	Site and implementation dates	Required resources	Observations
RNAV Approvals course	Provide information on aircraft and users approval for RNAV operations and train 20 experts of the South American Region.	Lima, 22-26 March 2010	2 fellowships per each participating State	Finalised
APV-BARO/VNAV procedures design Course	One expert for each participating State in the project(9 in total) trained in APV Baro/VNAV procedures approach	Lima, Perú, 6 to 16 April 2010	1 fellowship per each participating State	Finalised
First Workshop on SAM ATS Routes Optimisation (SAM ATS/RO/1)	Draft Version 01 of the SAM ATS Routes Network	Lima, Perú, from 1 to 5 March 2010.	2 fellowships per each participating State.	Finalised

3. IMPLEMENTATION PROGRAMME OF AIR TRAFFIC FLOW MANAGEMENT

Task	Result	Site and implementation dates	Required resources	Observations
Air Traffic Flow Management Course (ATFM)	Provide knowledge on Air Traffic Flow Management Course and train 15 experts of the SAM Region	Río de Janeiro, Brazil, 22 -26 March 2010	2 fellowships per each participating State.	Finalised
First Workshop on Collaboration in Decision Making (CDM)	Provide knowledge on decision making process (CDM) and train 15 experts of the Region on this new concept. CDM Workshop carried out.	Río de Janeiro, Brazil, 29-30 March 2010.	2 fellowships per each participating State. Mission of a CDM expert for 3 days.	Finalised

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