



Agenda Item 7: Operational implementation of new ATM automated systems and integration of the existing systems

FOLLOW-UP TO THE IMPLEMENTATION OF AUTOMATED SYSTEMS IN THE SAM REGION

(Presented by the Secretariat)

SUMMARY

This working paper presents information on the follow-up made to the interconnection of automated systems in the SAM Region, as well as on the Memoranda of Understanding (MoU) drafted by SAM States for the interconnection of automated systems between adjacent ACCs, for their review and signature by involved States.

References:

- First ATM/CNS Multilateral Meeting among Argentina, Bolivia, Brazil, Paraguay and Uruguay (Lima, Peru, 14 -18 September 2009);
- Fifth workshop/meeting of the SAM Implementation Group (SAM/IG/5) (Project RLA/06/901) Lima, Perú, 10-14 May 2010;
- Second ATM/CNS Multilateral Meeting among Argentina, Bolivia, Brazil, Paraguay and Uruguay (Lima, Perú, 9-12 August 2010).

ICAO strategic objective:

D - Efficiency

1. **Background**

1.1 During the first ATM/CNS multilateral meeting among Argentina, Bolivia, Brazil, Paraguay and Uruguay, Memoranda of Understanding (MoU) were drafted for the implementation of automated systems at the Ezeiza-Montevideo, Ezeiza-Curitiba and Curitiba-Montevideo ACCs.

1.2 The MoU were drafted taking into account the documentation available in support of the interconnection of automated systems, elaborated by GREPECAS and the SAM Implementation Group, through RLA/98/003 and RLA/06/901 technical cooperation projects [Interface Control Document (ICD) for Data Communications between ATS Units in the Caribbean and South American Regions (CAR/SAM ICD), System Interface Control Document (SICD), Initial Regional Interconnection Plan of Automated Systems at the ACCs, Preliminary reference system/subsystem specification for the air traffic control automation system (SSS) and model Memorandum of Understanding (MoU) for the interconnection of automated systems].

1.3 At SAM/IG/5 meeting, a review was made to the MoU for the implementation of automated systems between the Ezeiza-Montevideo, Ezeiza-Curitiba and Curitiba-Montevideo ACCs.

1.4 In addition, during SAM/IG/5 meeting, Brazil and Venezuela started a draft MoU for the interconnection of automated systems between the Manaus and Maiquetia ACCs.

1.5 Also, SAM/IG/5 examined the action plan for the interconnection of automated systems presented in the **Appendix** to this working paper.

1.6 To aid States in the implementation of automated systems, a course on ASTERIX protocol, CAT 1, 2, 34, 48, 62 and 63, and another on OLDI AIDC were held (Lima, Peru, 5 to 16 July 2010). The courses were dictated with the support of ATECH Brazil and co-ordinations carried out by the Brazilian aeronautical administration. The course counted with the assistance of 22 delegates from the following SAM States: Argentina, Bolivia, Chile, Colombia, Ecuador, Panamá, Paraguay, Perú and Uruguay.

2. **Analysis**

2.1 At the second ATM/CNS multilateral meeting among Argentina, Bolivia, Brazil, Paraguay and Uruguay, the MoUs drafted by Argentina, Brazil and Uruguay were updated.

2.2 It is expected that at this SAM/IG/6 meeting, Argentina, Brazil and Uruguay inform on the activities carried out and the difficulties found for the carrying out of the activities foreseen in the Argentina–Brazil, Argentina–Uruguay and Brazil–Uruguay approved MoUs.

2.3 In addition, it is expected that a final review and signature can be made between Brazil–Venezuela, to the MoU initially elaborated at SAM/IG/5 meeting and thereafter examined by both administrations.

2.4 As follow-up to the action plan for the interconnection of automated systems, as well as to SAM/IG/3-8 - *Preparation of specific implementation plans for the interconnection of automated systems*, it is hoped that the Meeting can start elaborating the following MoU: Argentina–Chile, Colombia–Brazil, Colombia–Ecuador, Colombia–Panamá and Colombia–Venezuela.

2.5 To keep the documents elaborated for the interconnection of automated systems updated [System Interface Control Document (SICD), interconnection plan based on the information consolidated in the SICD, and the SSS document], the States of the Region should inform ICAO of changes made in their automated systems, or the inclusion of new automated systems, with the aim of keeping the mentioned documents updated, which have been updated in our ICAO web site.

3. **Actions suggested**

3.1 The Meeting is invited to:

- a) Take note of the information provided;
- b) Analyze the progress made in the implementation of the activities for the interconnection of automated systems specified in the MoUs signed to this end;
- c) Through the delegates of Brazil and Venezuela, proceed with the review and signature of the Brazil–Venezuela MoU;
- d) Start with the elaboration of the MoU indicated in section 2, paragraph 2.4, of this working paper;
- e) Update the documents for the interconnection of automated systems, as indicated in paragraph 2.6;
- f) Update the action plan for the interconnection of automated systems shown in the Appendix to this working paper; and
- g) Analyze any other related aspects that might be considered necessary.