



SAM/IG/2
WP/20
13/10/08

**INTERNATIONAL CIVIL AVIATION ORGANIZATION
South American Regional Office**

**SECOND WORKSHOP/MEETING OF THE SAM IMPLEMENTATION GROUP
(SAM/IG/2) REGIONAL PROJECT RLA/06/901**

Lima, Perú, 3 to 7 November 2008

Agenda Item 5: Assessment of operational requirements in order to determine the implementation of communications and surveillance (CNS) capabilities improvement for en-route and terminal area operations

IMPROVEMENT OF COMMUNICATIONS AND SURVEILLANCE

(Paper presented by Uruguay)

Summary
This working paper has the objective to present to the Meeting the works carried out for the improvement of CNS in FIR Montevideo.
References: <ul style="list-style-type: none">• SAM/IG/1 Meeting Report, Agenda Item 3.
ICAO Strategic objectives Strategic Objective A: <i>Safety</i> Strategic Objective C: <i>Environmental Protection</i> Strategic Objective D: <i>Efficiency</i>

1. Background

1.1 During SAM/IG/1 Meeting held in Lima, Peru, from 21 to 25 April 2008, the Meeting was informed about the need to evaluate operational requirements to determine the implementation of improvements of CNS capacities for en-route and terminal area operations.

2. Analysis

2.1 For this task, Uruguay hired two experts of ICAO Technical Cooperation Programme, who did the following Communications, Navigation and Surveillance assessments intended to the optimization of these functions in FIR Montevideo:

- a) Assessment on the operation and satisfaction degree of the operational requirements of Flight Control Centre and International Airports
- b) Assessment on the status of navigation radio-aids and of the Satellite Navigation System (GNSS) implementation
- c) Elaboration of options and recommendations for the solution of problems existing in communications and navigation systems
- d) Implementation of a study on the conception and execution of a project on new air-earth VHF communications system of Flight Control Centre with coverage on FIR Montevideo
- e) Assessment and recommendations to develop international aeronautical communications circuits and to implement the new system of ATS messages treatment (AMHS), and for the establishment of international agreements for an automated data exchange system between Montevideo Flight Control Centre and neighbour air traffic control units
- f) Assessment and recommendations to strengthen the training programme of DINACIA technical, operational and managerial personnel; the application of ICAO policies and guidelines on the rights for air navigation and airport services, and to continue providing support to strengthen the juridical, institutional and statutory civil aviation context as well as DINACIA's capacity to effectively exercise its responsibilities regarding CNS systems and air navigation matters, as well as other State functions
- g) Recommendation on the subsequent actions to follow for the establishment and execution of a project on new air-earth VHF communications system of the ACC Montevideo and other communications and navigation systems, with the support of ICAO Technical Cooperation Bureau.

3. Suggested action

3.1 The Meeting is requested to take note of the studies carried out to improve CNS within the Project workplan.