



AP/ATM/6
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**International Civil Aviation Organization
UNDP/ICAO Regional Project RLA/98/003
Transition to CNS/Atm Systems in the CAR and SAM Regions**

**Sixth Meeting/Workshop of ATM authorities and planners in the CAR/SAM Regions for RVSM,
RNAV routes and RNP Implementation (AP/ATM/6 RVSM-RNAV-RNP)**

(San Jose, Costa Rica, 29 September to 3 October 2003)

**Agenda Item 3: Review of the issues related with RVSM Implementation in the CAR/SAM
Regions**

a) ATC Operations Working Group (ATC/WG)

Cost of ATC Modifications

(Presented by Chile)

Summary

The objective of this Working Paper is to present the approximate cost of ATC modifications for RVSM implementation.

1. Introduction

1.1 During the Fifth Meeting/Workshop of ATM authorities and planners in the CAR/SAM Regions for RVSM, RNAV routes and RNP Implementation, it was agreed, through **Conclusion AP/ATM/5/42**, that the States should provide the RVSM Task Force information regarding the approximate cost of ATC modifications for RVSM implementation.

2. Analysis

2.1 The Directorate General of Civil Aviation of Chile (DGAC), in view of RVSM implementation, determined to make the modifications and updating of the EUROCAT 1000 Visual System of the Air Traffic Services located in the Area Control Centers along the country.

2.2 The updating consists in the installation of an RVSM software patch in the visual system that will enable Air Traffic Controllers, among other aspects, to maintain permanent information of the

approval status of every aircraft operating not only in RVSM airspace, but also in the surroundings. Another characteristic to be included in the visualization system is related with the handling of the information of the flight plans for the automatic updating of the electronic flight progress strips.

2.2 The updating of the EUROCAT 1000 System also considers the installation of the Medium Term Conflict Detection system (MTCDD) that along with the Small Term Conflict Detection system (STCD), actually in use, will contribute to maintain and increase the national RVSM airspace safety levels.

2.3 The approximate cost of this updating is around US\$700,000 and is estimated to be in service the first semester of 2004.

3. **Suggested Action**

3.1 The meeting is invited to:

- a) Take note of the information contained in this Working Paper;
- b) Suggest CAR/SAM Civil Aviation Administrations to arrange the evolution of automatic or semi-automatic systems to prepare RVSM implementation.