

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

Description of the
Second Seminar on RVSM Implementation in the CAR/SAM Regions

(Panama, Panama, 16 and 17 June 2003)

ICAO NOMENCLATURE: N° 056 ATC PLN

1. INTRODUCTION

- 1.1 The constant increase of world air traffic, the operational aircraft need to fly at, or as nearest as possible to, their optimum flight levels and the demand of a better utilization of airspace have supported the implementation of the reduced vertical separation minimum (RVSM) of 1000 feet above FL 290 in the different ICAO Regions, such as the North Atlantic, Asia-Pacific, EUR/SAM corridor of South Atlantic (SAT), in the Western Atlantic Route System (WATRS) and shortly, in January 2005, in the continental area of the United States and in the CAR/SAM Regions, extensively demonstrating its advantages, that, without doubt, represent the best solution to increase availability of optimum flight levels and airspace capacity, while the demanded safety levels are maintained or improved.
- 1.2 According to analysis made by Project RLA/98/003 to the principal Traffic Flows identified by GREPECAS, in the CAR/SAM Regions already exist some sectors of airspace, specially during “peak” periods and hours, which are already experimenting traffic congestion, and, consequently, a significant number of aircraft do not operate at its optimum flight level, which is adversely affecting the efficiency of the air operations.
- 1.3 GREPECAS 10 (Las Palmas, Islas Canarias, Spain, October 2001), considering that the RVSM application in both regions would permit to obtain a better advantage of airspace, its repercussion in the air transport economy and the need to establish an implementation strategy in harmony with the other ICAO regions, decided that the RVSM implementation in the CAR/SAM Regions.
- 1.4 During the Fourth Coordination Meeting of Project RLA/98/003, (Lima, Perú, December 2001), it was decided to include in the work programme the preparation and execution of the conducive actions with the purpose of assisting the States in RVSM implementation in the CAR/SAM Regions.
- 1.5 Sponsored by RLA/98/003 Project, the following activities have been carried out: a) the Third Meeting of Air Traffic Management (ATM) Authorities and Planners of the CAR/SAM Regions (AP/ATM/3) (Lima, Peru, May 2002) in which, besides other issues, RVSM implementation strategy in the CAR/SAM Regions was analyzed; b) the First Seminar on RVSM Implementation in the CAR/SAM Regions (Lima, Peru, August 2002); c) the AP/ATM/4 (RVSM-RNAV-RNP) Meeting, in which the RVSM Implementation date in the CAR/SAM Regions was decided for 20 January 2005, in harmony with the NAM Region.
- 1.6 The Fifth Meeting of the Coordination Committee of RLA/98/003 Project (Lima, Peru, March 2003) approved: a) the AP/ATM/5 Meeting (RVSM-RNAV-RNP), to be carried out in Panama, Panama, from 18 to 20 June 2003; b) the Second Seminar on RVSM Implementation in the

CAR/SAM Regions; c) the AP/ATM/6 Meeting (RVSM-RNAV-RNP), to be carried out in October 2003; with the purpose of continuing with the analysis, dissemination and follow up, among other matters, of the RVSM Implementation in the CAR/SAM Regions.

2. **OBJECTIVE**

- 2.1 The main objective of this Seminar is to provide general information to Civil Aviation Administrations, ATS Services Providers and commercial, general and military aviation operators of the CAR/SAM Regions concerning, RVSM Implementation, height keeping performance for RVSM approval by the corresponding authority; in order to ensure an acceptable safety level of the system in the RVSM airspace of both regions.

3. **CONTENTS**

- 3.1 Among the topics to be discussed are the approval process of aircraft and operators, aspects related with safety assessment, Monitoring Agency; as well as Operational considerations, Air Traffic Management and Training aspects, as shown in the enclosed Agenda.

4. **DOCUMENTATION**

- 4.1 Reference documents for the seminar are:

- a) Doc. 9574 Implementation manual of a vertical separation minimum of 300 m (1 000 ft) between FL 290 and FL 410 inclusive.
- b) Doc. 9689 Manual on the airspace planning methodology to determine the separation minimum.
- c) Doc. 8733 Air Navigation Plan – South America and The Caribbean Regions.
- d) Doc. 7030 Supplementary Regional Proceedings.
- d) Report of the AP/ATM/4 Meeting.

5. **PLACE, DATES AND SCHEDULE**

- 5.1 The Second Seminar on RVSM Implementation in the CAR/SAM Regions will be carried out at the Salón Continental of Hotel Continental, Ricardo Arias Street, Panama city, Panama, on 16 and 17 June 2003, from 08:00 to 16:00 hours.

6. **TEMPERATURE**

- 6.1 Temperature in Panama during the month of June usually varies between 24° and 31° C. The average humidity is 82%.

7. **LANGUAGES**

- 7.1 The seminar will be carried out in Spanish and English, with simultaneous interpretation service.

8. WHO SHOULD ATTEND

8.1 The participants should be:

- a) Air traffic management (ATM) authorities and planners directly involved in RVSM, RNAV routes and RNP planning and implementation of Civil Aviation Administrations and ATS Services Providers;
- b) Officers and specialists, directly involved in RVSM, RNAV routes and RNP planning and implementation;
- c) Specialists in Operations and Airworthiness Regulations, directly involved in RVSM and RNP planning and implementation.
- d) Managers, pilots, specialists in Operations and Airworthiness, flight dispatchers and maintenance personnel of commercial, general and military aviation operating in the CAR/SAM Regions.

9. REGISTRATION, LOCAL TRANSPORTATION AND ACCOMODATIONS

9.1 Registration should be made by the ICAO Regional Office concerned to the area of accreditation of the requesting State or organism upon receiving their request through the submission, as soon as possible and in any event not later than 16 May 2003, of the personal data of each participant or, if it is the case, their duly completed ICAO fellowship nomination forms. Hotel reservations should be requested directly to the hotel of your election, mentioning your participation at the Second Seminar on RVSM Implementation in the CAR/SAM Regions organized by ICAO. In case of communications problems with the hotels, kindly phone:

Dirección de Navegación Aérea (507) 232 556831
Balboa, Ancón , Panamá

Departamento de Tránsito Aéreo (507) 232 5238 y 232 8754

9.2 Upon arriving at the Tocumen International Airport, participants should use the airport official taxis service for transportation to their place of accommodation. Transportation will not be provided to and from accommodation places during the event. Taxis services in the city, depending of the distance, cost between B. 1.25 and B. 2.25 (Balboas).

9.1 Suggested hotels and rates are as follows:

Hotel	Address/Telephone/Fax	Includes	Rates
<p>El Panamá *****</p>	<p>Vía España 111. Tels: (507) 269 5000 (507) 223 1600 Fax: (507) 223 6080 E-mail: reservas@elpanama.com. Website: www.elpanama.com</p>	<p>American breakfast buffet.</p>	<p>Single bungalows 60.00 Double bungalows 65.00 Corporate floor single 70.00 Corporate floor double 80.00 Jr. Suite Single 115.00 Jr. Suite Double 120.00 Suite Single 210.00 Suite Double 210.00 (5.00 per additional person). Plus 10% of tourism tax.</p>
<p>Continental *****</p>	<p>Vía España and Calle Ricardo Arias Telephones: (507) 263-9999 (507) 265-5114 (507) 265-5115 (507) 263-5143 Reservations: reservas@hotelesriande.com</p>	<p>Breakfast buffet. Free local calls. Internet free.</p>	<p>Standard single room 60.00 Standard double room 60.00 Executive floor single 90.00 Executive floor double 90.00 Single suite 110.00 Double suite 110.00 Plus 10% of tourism tax.</p>

Hotel	Address/Telephone/Fax	Includes	Rates
Granada ****	Avenida Eusebio A. Morales No.14 Telephones: (507) 264-4900 (507) 269-1068 (507) 263-9787 Reservations: granada@hotelesriande.com	American breakfast buffet. Free local calls. Internet free.	Standard single room 40.00 Standard double room 45.00 Suite 70.00 Plus 10% of tourism tax.
Hotel Marbella	Street "D" El Cangrejo near the Cafeteria Manolo. Telephones: (507) 263-2220 Fax: (507) 263-3622	American breakfast	Single room 35.00. For two persons 42.50 Double room 40.00. For two persons 51.50. Plus 10% of hotel tax.
Montreal ***	Vía España and Justo Arosemena final. Telephones: (507) 263-4422 (507) 263-7236		Single room (bed) Regular price 20.00 (P/per groups 10.00) Double room (one double bed) Regular price 27.50 (P/per groups 20.00) Triple rooms (one ¾ bed and one double) regular price 30.00 (P/per groups 27.50) Triple rooms (three beds ¾) regular price 33.00 (P/per groups 27.50)

10. **REFERENCE**

- 10.1 ICAO South American Regional Office
P.O. Box 4127
Lima 100, PERÚ
Telephones: (511) 575-1646, 575-1477
Fax: (511) 575-1479, 575-0974
E-mail: mail@lima.icao.int
Página Web: www.lima.icao.int

Civil Aviation Authority (Albrook), Panama
Telephone: (507) 315-1622

Air Navigation Department (Balboa, Ancón, P. O. Box 5006), Panama
Telephone: (507) 232-5568/5531

Air Traffic Department, Panama
Telephone: (507) 232-5238

11. **PASSPORT AND VISA REQUIREMENTS**

To enter the country, a passport is normally required, however, we suggest verifying at the Embassy or Consulate of Panama on this requirement.

12. **MONEY EXCHANGE AND CREDIT CARDS**

The Panama currency is the Balboa, which is equivalent to US Dollar. Preferably, the exchange of money should be made in banks or authorized places. The following **international** credit cards are accepted: Visa, Master Card and American Express. Likewise, most stores and restaurants accept Balboas or US dollars.

13. **HOSPITALS**

In case of any emergency, please contact:

San Fernando
Hospital

Located in Vía España at the end of the Sabana, behind the
Sabana Mac Donalds
Tel: 278-6300 (hospitalization)
278-6350/6360 (attention)

Clínica Santa Fé

Located between Simón Bolívar and Frangipani avenues
Tel.: 227-4733 (attention)

14. **ELECTRICITY**

110 and 220 Volts.

15. **AIRPORT TAX**

The airport tax is 20.00 Balboas or US dollars.
