



International Civil Aviation Organization

NORTH AMERICAN, CENTRAL AMERICAN AND CARIBBEAN OFFICE

Fourth Central Caribbean Working Group Meeting (C/CAR WG/4)

Santo Domingo, Dominican Republic, 9 to 13 February 2004

C/CAR WG/4-WP/05

22/01/04

Agenda Item 3: Specific Air Navigation Activities and Developments
3.1 Air Traffic Management (ATM) – C/CAR ATM TF

ATM PROGRESS IN THE CENTRAL CARIBBEAN

(Presented by the Secretariat)

SUMMARY

This Working Paper presents action proposals to continue with ATM Developments in the Central Caribbean keeping in mind the follow up to the work that the Central Caribbean Working Group has done, as well as the relevant results of the GREPECAS/11, NACC/DCA/1 and AP/ATM/6 Meetings.

References:

- Report of the First North American, Central American and Caribbean Directors of Civil Aviation Meeting (Grand Cayman , Cayman Islands, 8 – 11 October 2002)
- Report of the Eleventh Meeting of the CAR/SAM Regional Planning and Implementation Group (GREPECAS/11) (Manaus, Brazil, 3 – 7 December 2002)
- Report of the Sixth Meeting/Workshop of Air Traffic Management Authorities and Planners for the transition to the CNS/ATM Systems in the CAR/SAM Regions (AP/ATM/4) (San Jose, Costa Rica, 29 September – 3 October 2003)
- Report of the Third Central Caribbean Working Group Meeting (Curaçao, Netherlands Antilles, 24 to 28 March 2003)

1. Introduction

1.1 The Eleventh Meeting of the CAR/SAM Regional Planning and Implementation Group (GREPECAS/11) held in Manaus, Brazil, from 3 to 7 December 2002 agreed, among others, the following conclusions related with the development in Air Traffic Management (ATM):

- **Conclusion 11/21** – National RNAV Route Implementation Programme
- **Conclusion 11/23** – RVSM Implementation in the CAR/SAM Regions
- **Conclusion 11/25** – ATC Simulations (*on the impact of RVSM implementation*)

- **Conclusion 11/28** – Air Traffic Control Automated Systems
- **Conclusion 11/29** – Flight level occupancy analysis (*to implement RVSM*)
- **Conclusion 11/30** – Height-Keeping performance monitoring
- **Conclusion 11/32** – Participation in the RVSM Task Force

1.2 The First North American, Central American and Caribbean Directors of Civil Aviation Meeting held in Grand Cayman, Cayman Islands from 8 to 11 October 2002, agreed the working guidelines for the main ATM issues in the CAR Region through the following conclusions:

- **Conclusion 1/8** – ATS Quality Assurance Programmes
- **Conclusion 1/10** – National RNAV/RNP Implementation Programmes for the CAR Region
- **Conclusion 1/11** – Development of a National RVSM Implementation Plan in the States/Territories/COCESNA in the CAR Region
- **Conclusion 1/15** – Support for the continuing development and implementation of CNS/ATM Systems in the CAR Region
- **Conclusion 1/19** – Agreement on ATS Contingency Plans and Supporting Services for the CAR Region
- **Conclusion 1/23** – ICAO Educational Event using Internet Technology

1.3 In accordance with the work carried out until the Sixth Meeting/Workshop of Air Traffic Management Authorities and Planners for the transition to the CNS/ATM Systems in the CAR/SAM Regions (AP/ATM/6) held in San Jose, Costa Rica from 29 September to 3 October 2003, as part of the GREPECAS UNDP/ICAO RLA/98/003 Regional Project, States/International Organizations have finalized different tasks within the RVSM implementation programme, such as ATC simulation in different RVSM scenarios, ATC Training Programme for RVSM and RVSM Operational Requirements for ATC automated system, among others. This programme is planned to conclude by the end of 2004, and the foreseen RVSM implementation date in the CAR/SAM Regions is 20 January 2005, in harmony with RVSM implementation in the NAM Region.

1.4 The ICAO NACC Regional Office has followed-up on the RVSM works carried out by the States/Territories/International Organizations of the CAR/NAM Regions, coordinated and obtained on time the emission of the AIC or NOTAM, which advised the aeronautical community on the intention of implementing the Reduced Vertical Separation Minima (RVSM) in January 2005 in the corresponding jurisdiction of the Flight Information Regions (FIR) of all the CAR and NAM Region States/Territories.

1.5 As a follow-up to the work carried out by the Third Central Caribbean Working Group Meeting, the ICAO NACC Regional Office, in coordination with States involved, prepared and distributed among the States of the CAR/NAM/SAM Regions Amendment NACC 03/01-ATM modifying the SSR Code Allocation Table of the Air Navigation Plan of the CAR/SAM Regions.

2. ATS Quality Assurance Programmes

2.1 The ICAO NACC Office is carrying out a follow-up on the Quality Assurance Programmes, evaluations to ATS units, ATS Incidents reported to ICAO or IATA, and ATS Contingency Plans sent by States/Territories/International Organizations.

2.2 *ATS Incidents*

2.2.1 Prevention of ATS accidents and incidents is considered as the highest priority for Safety Oversight in Air Traffic Services. The ICAO NACC Regional Office has developed a database on ATS incidents occurred in the CAR/SAM Regions based on the reports received, in order to register safety measures carried out by States/Territories/International Organizations in the CAR Region. This is part of the Air Traffic Services Quality Assurance Programme. ICAO NACC Office will send on a regular basis to the States/Territories/International Organizations a register of the incidents occurred so that the relevant actions may be taken.

2.2.2 The ICAO NACC Office has sent a letter to the States/Territories/International Organizations requesting the status of implementation of their ATS Quality Assurance Programmes based on the CAR/SAM Regional Guidance for Air Traffic Services Quality Assurance Programmes, available in English and Spanish from the ICAO NACC Regional Office web page at the following address: www.icao.int/nacc; "*E-documents*".

2.2.3 Likewise, the ICAO NACC Office sent a letter to the States/Territories requesting the status of implementation of their ATS Contingency Plans.

3. Discussion

3.1 This paper proposes to the Meeting to continue working towards ATM developments by considering the background mentioned in paragraphs 1.1 to 1.4 and 2.1 to 2.2.3 of this working paper, by developing an appropriate action plan to contribute to its implementation.

3.2 To this end, among other aspects, the Meeting should take note of the information on the development of ATM issues in the Central Caribbean that is contained in this Working Paper.

3.3 Taking the aforementioned into account, the Meeting is requested to adopt the following Draft Conclusions:

DRAFT CONCLUSION 4/XX DEVELOPMENT OF THE RVSM IMPLEMENTATION PROGRAMME IN THE CENTRAL CARIBBEAN

That States/Territories,

- a) continue developing ATM works with a view to implementing RVSM in the CAR Region; and

- b) send to the ICAO NACC Regional Office their Action Plan and the work carried out for ATC scenarios simulation for RVSM implementation in the CAR Region by 14 May 2004.

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CONCLUSION 4/XX

**DEVELOPMENT OF QUALITY ASSURANCE PROGRAMMES
AND ATS CONTINGENCY PLANNING IN THE CENTRAL
CARIBBEAN**

That States/Territories send to the ICAO NACC Office by 30 June 2004:

- a) the status of implementation of the ATS Quality Assurance Programmes;
- b) the measures towards the solution of ATS incidents; and
- c) ATS contingency plans.

4. Suggested action

4.1 The Meeting is invited to:

- a) take note of the information contained in this Working Paper;
- b) approve and adopt the Draft Conclusions mentioned in paragraph 3.3; and
- c) consider and adopt other actions as deemed appropriate.