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**Agenda Item 1:           General matters**

**STUDIES ON THE CNS/ATM DEVELOPMENT SCENARIOS IN THE CENTRAL CARIBBEAN  
AND NEIGHBOURING AIRSPACE**

(Presented by the Secretariat)

<p style="text-align: center;"><b>SUMMARY</b></p>
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<p>This working paper proposes for consideration by the Central Caribbean Working Group to initiate the efforts to identify and study the CNS/ATM development scenarios, analyzing and suggesting actions to support this development.</p>
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<p style="text-align: center;"><b>References:</b></p>
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| <ul style="list-style-type: none"><li>• Report of the Second Central Caribbean Working Group Meeting (Pétion Ville, Haiti, 18-22 February 2002).</li><li>• Report of the First NACC Directors of Civil Aviation Meeting (Grand Cayman, Cayman Islands, 8-11 October 2002).</li></ul> |
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**1.           Introduction**

1.1           The States/Territories/International Organizations of the Central Caribbean and its neighbouring areas, especially those who have responsibilities over the FIRS, have established national plans to improve the air navigation systems/services and the implementation of the CNS/ATM systems, some of which have been implemented and others are under implementation process. Moreover, and most pertinently, some of those States/Territories/International Organizations have established and are arranging bilateral agreements to help improving and implementing air navigation systems/services in the Central Caribbean, showing an attitude of excellent international cooperation.

1.2           The Second Central Caribbean Working Group Meeting held in Pétion Ville, Haiti, from 18 to 22 February 2002, analyzed, among other aspects, the implementation of CNS/ATM elements in the Caribbean, and considered that a close coordination was necessary between national plans for the development of air navigation systems of the C/CAR States/Territories and neighbor States / Territories / International Organizations. Likewise, taking into account the CAR/SAM Regional Plan for Implementation of the CNS/ATM systems, the aforementioned meeting formulated Conclusion 2/15 – *Preparation of a Central Caribbean CNS/ATM Subregional Plan*, establishing that the C/CAR/WG develop a Central Caribbean CNS/ATM Subregional Plan; this Conclusion was ratified later by the Central Caribbean Directors of Civil Aviation.

1.3 Likewise, the First North American, Central American and Caribbean Directors of Civil Aviation Meeting, held in Grand Cayman from 8 to 11 October 2002 formulated Conclusion 1/15 – *Support for the continuing development and implementation of CNS/ATM systems in the CAR Region*, urging States/Territories/International Organizations of the CAR Region to identify and study the scenarios to help achieving the implementation of CNS/ATM systems in the CAR Region.

## **2. Discussion**

2.1 Taking into account the background and references expressed in paragraphs 1.1 to 1.3 of this working paper, the Meeting is invited to begin the efforts of identifying and studying the CNS/ATM scenarios in the Central Caribbean area, based on GREPECAS conclusions, on the layout of the ATS routes, as well as the localization of the States/Territories/International Organizations of the Central Caribbean FIRs and neighbouring FIRs, and on the CAR/SAM Regional Plan for the Implementation of the CNS/ATM Systems.

2.2 Bearing in mind the considerations expressed in the above paragraph, the Group is invited to consider the Central Caribbean area as a sole homogeneous scenario from the ATM viewpoint, which could be named ATM C/CAR Scenario, thus facilitating the analysis for the implementation of RNAV routes and other ATM elements. Nevertheless, for a detailed analysis of the improvements of CNS elements purposes, it might be more convenient to consider two scenarios within the C/CAR area, that could be called C/CAR-A and C/CAR-B. The CNS C/CAR-A scenario would consist of the common boundary zones among the Barranquilla, Havana, Kingston, Mexico, Miami Oceanic, Nassau, Panama, and COCESNA FIRs. The CNS C/CAR B scenario would consist of the common boundary zones of the Barranquilla, Curaçao, Kingston, Port-au-Prince, San Juan, Santo Domingo and Maiquetia FIRs. The **Appendix** to this working paper shows the layout of the FIRs assigned to the responsibility of the States, Territories and International Organization, as well as the areas that would define the proposed ATM and CNS scenarios for the Central Caribbean.

## **3. Suggested actions**

3.1 The Meeting is invited to:

- a) note the information contained in this working paper;
- b) identify and study the Central Caribbean CNS/ATM development scenarios, taking into account the considerations and proposals contained in paragraphs 2.1 and 2.2, including the Appendix to this working paper; and
- c) consider and propose any other action that the Group may deem convenient for the development and implementation of a Central Caribbean CNS/ATM Subregional Plan.

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PROPOSED CENTRAL CARIBBEAN CNS/ATM SCENARIOS  
 ESCENARIOS CNS/ATM C/CAR PROPUESTOS

