International Civil Aviation Organization
North American, Central American and Caribbean Office
Third Meeting of North American, Central American and Caribbean Directors of Civil Aviation (NACC/DCA/3)
Punta Cana, Dominican Republic, 8-12 September 2008

Agenda Item 2: **Air Navigation Services**
2.1 **Air Navigation Matters**

AIR NAVIGATION SEMINARS AND WORKSHOPS FOR 2009

(Presented by the Secretariat)

SUMMARY
This working paper presents a summary of the workshops and seminars proposed for air navigation matters in 2009, stemming from requests by several States to assist them with the planning and implementation of systems within the ATM Operational Concept and the Global Air Navigation Plan.

References:
• Reports of the CAR/WG/1 and NACC/WG/2 Meetings   • Reports of the GREPECAS/12, 13 and 14 Meetings   • Report of the Sixth Meeting of the ATM/CNS Subgroup (Dominican Republic, 30 June to 4 July 2008)   • Report of the DGAC CAP/93 Meeting (Mexico City, 9 to 10 July 2008)   • Global Air Navigation Plan, Doc 9750

Strategic Objectives:	*This working paper is related to Strategic Objectives A and D.*

1. **Introduction**

1.1 The Global Air Navigation Plan, Doc 9750, identifies that one of the major objectives for CNS/ATM systems is the creation of a seamless global air navigation system. A seamless air navigation environment will require an international team prepared to carry out their functions in such an environment. To achieve this, it is essential that globally, the personnel who will form this team have the proper knowledge. In the past, the evolution of aeronautical technologies has been progressive and, for the most part, the challenges posed by the changes were met even when sophisticated methodologies and training tools were not available. However, the new CNS/ATM systems are based on many new concepts and their implementation presents a more complex challenge.

1.2   During the Sixth Meeting of the GREPECAS ATM/CNS Subgroup, participants attending the CNS Committee concluded that in order to support the trials planned for air-ground data transmission, it would be beneficial that ICAO plan a seminar to provide lessons learned in other regions with the implementation of data link, the functionalities or applications implemented through these links, and current and planned ICAO SARPs. On this issue, the Meeting formulated Draft Conclusion CNS/6/1 – *Seminar/Workshop on the Implementation of Air-Ground Data Link and its Applications*.

1.3   Similar to this request, in other meetings held this year (NACC/WG, AIM/SG, CNS/SUR/TF, AGA/AOP/SG, CNS/GNSS/TF, etc.), States/Territories/International Organizations have expressed the need to have ICAO organize and hold certain meetings/events in order to obtain more detailed information on the relevant considerations for the implementation of new systems and CNS/ATM concepts in the Global Air Navigation Plan and to better understand the progress, development and application of SARPs for the implementation of these systems under the ATM Operational Concept.

2.   Discussion

2.1   To comply with these requests, ICAO can organize and coordinate the execution and themes for these meetings and necessary events; however, in most cases, State / Territory / International Organization support or the offer to serve as host for these events is necessary to cover the logistical aspects of the event.

2.2   Several States/Territories/International Organizations from the NAM/CAR Regions have adequate facilities to carry out training events, such as their own training centres, which most often have the necessary elements to facilitate these types of events.

2.3   The **Appendix** to this paper lists a proposal of workshops and seminars for 2009, which are formulated to cover the above-described requests that require support from States/Territories/International Organizations. Each event includes the objective, tentative dates, estimated participation and relevant comments for their execution.

3.   Suggested action

3.1   The Meeting is urged:

a)   take note of the information contained in this working paper;

b)   support the execution of the events listed in the Appendix to this paper by hosting them;

c)   anticipate the attendance and procure the participation of your representatives to these events;

d)   inform the ICAO NACC Office of any support that can be provided by State institutions to successfully hold these events; and

e)   consider and recommend other actions deemed appropriate.

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PROPOSED EVENTS TO BE HOSTED: 2009 SEMINARS/WORKSHOPS

No.	Title of Event	Main Objectives	Tentative Dates	Participation	Comments
1.	ATN Ground-Ground Applications Seminar/Workshop	1. Provide States / Territories / International Organizations a forum to deal with information, analysis, debate, and exchange of experiences and aspects to consider in the planning and implementation of ATN ground-ground applications. 2. Relevant topics will be covered: AMHS and AIDC system implementation, new SARPs on IPS, regional management for implementation.	25-27 May	CAR/SAM	
2.	ATN Data link and Air-Ground Applications Seminar/Workshop	1. Inform on implementation experiences with data transmission in other regions, the functionalities or applications that have been implemented through these links, current SARPs and ICAO provisions. 2. Relevant aspects and considerations for the implementation of these links and the experience from trials. 3. Comparison of the different techniques for these applications.	2-4 November	CAR/SAM	
3.	Aeronautical Studies in the AGA environment	Identify, within the ICAO standards on aerodrome design, operations and certification, those aspects that could require aeronautical studies in the AGA environment, mainly on subjects related to RESAs, runway strips, control of obstacles and others.	8-12 June	CAR/SAM	
4.	Bird Hazard and Wildlife Prevention International Conference	Inform States/Territories about activities of the CARSAMPAF Regional Committee on bird hazard and wildlife prevention in order to incorporate more Member States and to implement control programmes for the airports in both Regions.	23-27 November	CAR/SAM	

APPENDIX

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No.	Title of Event	Main Objectives	Tentative Dates	Participation	Comments
5.	Air Navigation Meteorological Services Workshop - English Language	Inform States/Territories about the terminology and applied concepts in Aeronautical Meteorology for Air Navigation, the requirements and standards used and considerations for its organization and application.	Second Quarter	CAR	One-week duration
6.	Advanced Course on ATS Safety Assessment	Develop specialists to assess ATS safety in States/Territories/International Organizations of the NAM/CAR Regions.	Third Quarter	NAM/CAR	Two-week duration
7.	Second eTOD Seminar	1. Update eTOD information regarding the implementation experiences from other regions, especially Europe. 2. Provide States / Territories / International Organizations with the latest developments on eTOD. Involve mapping agencies and States' aeronautical authorities in the same eTOD training process.	Second Semester	CAR/SAM	One-week duration