



International
Civil Aviation
Organization

Organisation
de l'aviation civile
internationale

Organización
de Aviación Civil
Internacional

Международная
организация
гражданской
авиации

منظمة الطيران
المدني الدولي

国际民用
航空组织

When replying please quote:

Ref.: NT-NT4-4.54 — **E.OSG - NACC73076**

26 April 2018

To: States, Territories and International Organizations

Subject: Invitation – NAM/CAR/SAM Seminar on Space Weather and ICAO Weather Information Exchange Model (IWXXM)
Panama City, Panama, 16 to 20 July 2018

Action

Required: 1) Submission of presentations by the deadlines provided in this letter
3) Register participation by **2 July 2018**

Sir/Madam,

Further to the Special Implementation Projects (SIPs) approved for 2018, I wish to invite your Administration/Organization to participate in the NAM/CAR/SAM Seminar on Space Weather and ICAO Weather Information Exchange Model (IWXXM) to be convened in Panama City, Panama from 16 to 20 July 2018, at the facilities of the Panamanian Civil Aviation Authority located at Avenida Demetrio Korsi, Calle Hector Conte Bermúdez, Edificio 646, Albrook, Panamá, República de Panamá.

Aeronautical Meteorology entities of States and Territories of the ICAO NAM/CAR/SAM Regions and representatives of invited international organizations are expected to attend. The working languages of the meeting will be English and Spanish, and simultaneous interpretation will be provided if sufficient participants of both languages provide timely registration.

The Provisional Agenda of the event is at **Appendix**. States wishing to submit proposals for the addition of items should do so by **2 July 2018**.

In order to register for this event, please use the following event link "[Space Weather and ICAO Weather Information Exchange Model Seminar](#)." Participants are requested to click on the word "OPEN" in order to access the online registration form. It is important to note that the dropdown list in the registration form does not include ICAO Territories; therefore, we recommend that territories register using their State.

... / 2

All event presentations will be placed in the Meetings Section of the following web page: <http://www.icao.int/NACC/Pages/default.aspx> as it becomes available. Taking into consideration the availability of presentations in electronic format, no hard copies will be distributed during the event.

Furthermore, I am pleased to inform that each Project RLA/09/801 Member¹ may apply for a fellowship under Project RLA/09/801 within the fellowship offer for the current year. In order to know how many fellowships are available for your Administration for this year, please contact Ms. Claudia López, Technical Cooperation Associate (clopez@icao.int). The fellowship includes Daily Subsistence Allowance (DSA) to cover lodging and per diem. Your Administration shall provide the candidate with the air ticket to/from insert City, State of Venue, and ensure that the candidate has the necessary travel documents, vaccinations, and visa prior to departure. The duly completed Fellowship Nomination Form must be received in this Regional Office by **15 June 2018**. The steps to apply for a fellowship, the nomination form and other useful information are published on the Project RLA/09/801 website at: <http://www.icao.int/NACC/Pages/edocs-tc.aspx>

Regarding the fellowship offered to the Eastern Caribbean States through ECCAA, please note that the candidate appointment decision should be made between your Administration and ECCAA. Once coordination has been completed, the nomination form of the candidate representing the Eastern Caribbean States **should be sent to this Regional Office by ECCAA**.

States are also invited to share their experiences on two topics of the event and to support the Seminar by presenting their success stories, lessons learned and/or best practices to support IWXXM implementation. Presentations that your Administration/Organization may wish to submit/present at the event should be forwarded to this office by e-mail as soon as practicable in PowerPoint format. The deadline to receive presentations is **2 July 2018**.

If you require any further information regarding the event, please contact Mr. Luis Raúl Sánchez, Regional Officer, Aeronautical Meteorology (nacc-met@icao.int) or Ms. Claudia López, Technical Cooperation Associate, (nacc-tc@icao.int).

Accept, Sir/Madam, the assurances of my highest consideration.

A digital signature in blue ink, overlaid on a circular blue stamp. The stamp contains the text 'Firma Digital' on the left and 'Digital Signature' on the right. The signature itself is a stylized cursive script.

for
Melvin Cintron
Regional Director
North American, Central American and
Caribbean (NACC) Regional Office

Enclosure:
Provisional Agenda

N:\NT - Air Navigation (Worldwide)\NT 4-4.54 - IWXXM\Correspondence\NACC73076MET-StatesIWXXM-Invitation.docx / CLP

¹ **RLA/09/801 Project Member States** are: Bahamas, Barbados, Canada, Cuba, Curaçao, Dominican Republic, Haiti, Jamaica, Mexico, OECS States through ECCAA (Antigua and Barbuda, Grenada, Saint Kitts and Nevis, Saint Lucia and Saint Vincent and the Grenadines), Trinidad and Tobago and Central American States through COCESNA (Belize, Costa Rica, El Salvador, Guatemala, Honduras and Nicaragua).

APPENDIX

TENTATIVE AGENDA

**NAM/CAR/SAM Seminar on Space Weather and ICAO Weather Information Exchange Model
(IWXXM)
(Panama City, Panama, 16 to 20 July 2018))**

**Agenda Item 1: Implementation of the ICAO Weather Information Exchange Model
(IWXXM)**

- 1.1 Requirements introduced by Amendment 78 to Annex 3.
- 1.2 Infrastructure necessary for the implementation of the IWXXM
- 1.3 Regional coordination for the implementation of the IWXXM
- 1.4 Demonstrations of OPMET messages exchanges through the IWXXM.

Agenda Item 2: Space Weather

- 2.1 Space phenomena
- 2.2 Observation and forecasts systems.
- 2.3 Notable events
- 2.4 Requirement of information on space weather conditions established by Amendment 78 to Annex 3 - Meteorological Service for International Air Navigation.
- 2.5 Use and interpretation of the information contained in Table A2-3 and Attachment E of Annex 3 (Amendment 78)
- 2.6 Effects of space phenomena on international air navigation.

Agenda Item 3: Additional elements of Amendment 78 to Annex 3 - *Meteorological Service for International Air Navigation.*

- 3.1 Information on the release of radioactive material.
- 3.2 Improvements in the supply of SIGMET information by the Meteorological Surveillance Offices (MWO - OVM).
- 3.3 Other points subject to amendments.

Agenda Item 4: Other matters

EXPLANATORY NOTES

Agenda Item 1: Implementation of the ICAO Weather Information Exchange Model (IWXXM)

Under this Agenda Item, the Seminar will analyze the emerging issues related to the implementation of the ICAO Weather Information Exchange Model (IWXXM). The experts will present the requirements introduced in Amendment 78, the necessary infrastructures and the necessary regional coordinations for their implementation. Tools will be provided for the development of messages in XML format as well as for their exchange. Additionally, indications for the insertion of meteorological messages in a SWIM environment will be provided.

Agenda Item 2: Space Weather

Under this Agenda Item, all aspects that should be considered to support the introduction of advisory information on space weather conditions will be discussed, which ICAO has contemplated in amendment 78 to Annex 3 in order to increase the safety and efficiency of international air navigation, in accordance with the Global Air Navigation Plan. Due to the pressing need to introduce the service, the world service is introduced as a priority, and later the introduction of regional models of integrated services will be considered. The experts will present all the points related to the obtaining and management of information about space phenomena, as well as their effects on air navigation.

Agenda Item 3: Additional elements of Amendment 78 to Annex 3 - *Meteorological Service for International Air Navigation.*

Under this Agenda Item, the ICAO Technical Officers and other experts will provide relevant information on other points introduced by amendment 78 to Annex 3 related mainly to SIGMET messages and the release of radioactive material, and other issues associated with it.

Agenda Item 4: Other matters

Under this question Agenda Item, other issues that have not been covered by the previous points and that are of interest for the implementation of the requirements of amendment 78 to Annex 3 will be addressed.