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Международная
организация
гражданской
авиации

منظمة الطيران
المدنى الدولى

国际民用
航空组织

File Ref.: ME 3/2.3 – 23/182

29 August 2023

Subject: Eleventh Meeting of the MIDANPIRG MET Sub-Group (MET SG/11) and Workshop on Formulating a Space Weather Exercise (Cairo, 14 - 16 November 2023)

Action required: Reply not later than 25 October 2023

Sir,

I have the honour to inform you that the Eleventh Meeting of the Meteorology Sub-Group (MET SG/11) will be held at the ICAO MID Regional Office in Cairo, Egypt, 14 – 15 November 2023. The meeting is scheduled back-to-back with the Workshop on Formulating a Space Weather Exercise, which will be held at the same venue from 15 to 16 November 2023 to facilitate participation of MET experts who are planning to attend both events. Your Administration/Organization is kindly invited to participate in this meeting.

The Provisional Agenda for the meeting and the Terms of Reference (TORs) for the MET SG are at **Attachments A and B**, respectively. The Provisional Agenda for the Workshop on Formulating a Space Weather Exercise is at **Attachment C**. Your comments on the attached Provisional Agenda, including any amendment you may wish to suggest, would be appreciated.

This letter, all its relevant attachments and Working/Information Papers and PowerPoint presentations (as they become available), will be posted in PDF format on the ICAO MID website at: www.icao.int/mid.

The Bulletin describing administrative arrangements and hotel lists for the events and other useful information for participants is provided at: <https://www.icao.int/MID/Pages/MID-Office-Bulletin.aspx>

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I would appreciate if you could, as soon as possible, preferably not later than **25 October 2023**, confirm the participation of your Administration/Organization giving the names and contact details of your delegate(s), by submitting the Nomination Form at **Attachment D** to the following email address (icaomid@icao.int).

Accept, Sir, the assurances of my highest consideration.



Mohamed Abubaker Farea
Regional Director
ICAO Middle East Office

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Attachments

Eleventh Meeting of the MET Sub-Group (MET SG/11)

(Cairo, 14 – 15 November 2023)

PROVISIONAL AGENDA

- Agenda Item 1:** Adoption of the Provisional Agenda and election of Chairperson
- Agenda Item 2:** Follow-up on MIDANPIRG/20 Conclusions and Decisions relevant to MET
- Agenda Item 3:** Global and Regional Developments
- Agenda Item 4:** MET Planning and Implementation
- Performance Framework for MET implementation in the MID Region
 - Review of the implementation of WAFS and SADIS
 - Review of requirements for OPMET data as well as IWXXM implementation
- Agenda Item 5:** Review of air navigation deficiencies in the MET field
- Agenda Item 6:** Future Work Programme
- Agenda Item 7:** Any other Business

METEOROLOGY SUB-GROUP (MET SG)

TERMS OF REFERENCE

1. Terms of Reference

1.1 The terms of reference of the MET Sub-Group are:

- a) ensure that the implementation of MET in the MID Region is coherent and compatible with developments in adjacent regions, and is in line with the Global Air Navigation Plan (GANP), the Aviation System Block Upgrades (ASBU) framework and the MID Region Air Navigation Strategy;
- b) monitor the status of implementation of the MID Region MET-related ASBU threads/elements included in the MID Region Air Navigation Strategy as well as other required MET facilities and services, identify the associated difficulties and deficiencies and provide progress reports, as required;
- c) keep under review the MID Region MET performance objectives/priorities, develop action plans to achieve the agreed performance targets and propose changes to the MID Region MET plans/priorities, through the MIDANPIRG as appropriate;
- d) seek to achieve common understanding and support from all stakeholders involved in or affected by the MET developments/activities in the MID Region;
- e) provide a platform for harmonization of developments and deployments in the MET domain;
- f) monitor and review the latest MET developments that support Air Navigation and provide expert inputs for the implementation of the Air Navigation Systems related to MET based on ATM operational requirements;
- g) provide regular progress reports to the MIDANPIRG concerning its work programme; and
- h) review periodically its Terms of Reference and propose amendments, as necessary.

1.2 In order to meet the Terms of Reference, the MET Sub Group shall:

- a) monitor the status of implementation of the required MET facilities and services in the MID Region;
- b) provide necessary assistance and guidance to States to ensure harmonization and interoperability in line with the GANP, the MID ANP and ASBU framework;
- c) provide necessary inputs to the MID Region Air Navigation Strategy through the monitoring of the agreed Key Performance Indicators related to MET;

- d) identify and review those specific deficiencies and problems that constitute major obstacles to the provision of efficient MET services, and recommend necessary remedial actions;
- e) keep under review the adequacy of ICAO SARPs requirements in the area of MET, taking into account, inter alia, changes in user requirements, the evolution of operational requirements and technological developments;
- f) develop proposals for the updating of relevant ICAO documentation related to MET, including the amendment of relevant parts of the MID ANP, as deemed necessary;
- g) monitor and review technical and operating developments in the area of MET and foster their implementation in the MID Region in a harmonized manner;
- h) foster the integrated improvement of MET services through proper training and qualification of the MET personnel;
- i) coordinate with relevant MIDANPIRG and RASG-MID Subsidiary bodies for issues with common interests; and
- j) liaise with other States providing services and/or serve as inter-regional exchange of meteorological information for international civil aviation (e.g. SADIS (U.K.), VAAC Toulouse (France), TCAC New Delhi (India), Regional OPMET Centre Vienna (Austria)).

2. Composition

2.1 The Sub-Group is composed of:

- a) MIDANPIRG Member States;
- b) World Meteorological Organization (WMO) and other concerned International and Regional Organizations as observers; and
- c) other representatives from provider States and Industry may be invited on ad hoc basis, as observers, when required.

3. Working Arrangements

3.1 The Chairperson, in close co-operation with the Secretary, shall make all necessary arrangements for the most efficient working of the Subgroup. The Subgroup shall at all times conduct its activities in the most efficient manner possible with a minimum of formality and paper work (paperless meetings). Permanent contact shall be maintained between the Chairperson, Secretary and Members of the Subgroup to advance the work. Best advantage should be taken of modern communications facilities, particularly video-conferencing (Virtual Meetings) and e-mails.

3.2 Face-to-face meetings will be conducted when it is necessary to do so.

Workshop on Formulating a Space Weather Exercise

(Cairo, 15 – 16 November 2023)

PROVISIONAL AGENDA

- Agenda Item 1:** Adoption of the Provisional Agenda
- Agenda Item 2:** ICAO provisions on space weather as well as background information
- Agenda Item 3:** Preparing for an Exercise
- Participating agencies
 - Aims and objectives
 - Exercise scenario
 - Conference to discuss issues encountered in the exercise
 - Transmission of information concerning space weather activity
 - Descents by aircraft due to solar radiation from space weather events
 - Dynamic airborne reroute procedure
 - Roles of stakeholders
 - Measure effectiveness of the exercise
- Agenda Item 4:** Summary
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**Eleventh Meeting of the MIDANPIRG Meteorology Sub-Group (MET SG/11)
(Cairo, 14 - 15 November 2023) and**

**Workshop on Formulating a Space Weather Exercise
(Cairo, 15 - 16 November 2023)**

NOMINATION FORM

Please indicate which event(s) you will attend:

MET SG/11
14-15 November 2023

SWXEX
15-16 November 2023

1. Name in full: _____
Mr. / Mrs. / Ms. (as should appear in the official listing and name tag)
2. Title or Official Position: _____
3. State/Organization: _____
4. Mailing Address: _____

5. Telephone Number: _____
Mobile Number: _____
E-mail: _____
6. Hotel _____

Date: Signature:

After completing, please send to: ICAO MID Office at the following e-mail address: (icaomid@icao.int).