File Ref.: ME 3/2.5 – 23/282                                    18 December 2023

**Subject:**          **Workshop on Terrain and Obstacle Datasets (TOD)**
                          *(Cairo, Egypt, 26 – 27 February 2024)*
                          **Tenth Meeting of the MIDANPIRG AIM Sub-Group (AIM SG/10)**
                          *(Cairo, Egypt, 28 - 29 February 2024)*

**Action required:**    **Reply not later than 10 February 2024**


Sir,

        I have the honor to inform you that a Workshop on Terrain and Obstacle Datasets (TOD) will be held on **26-27 February 2024** at the ICAO MID Office in Cairo, Egypt. The workshop is scheduled back-to-back with the Tenth Meeting of the Aeronautical Information Management Sub-Group (AIM SG/10) to be held at the same location from **28 to 29 February 2024**, to facilitate participation of AIM experts who are planning to attend both events. Your Administration/Organization is kindly invited to participate in these events.

        The Provisional Agenda of the meeting is at **Attachment A** and the Sub-Group Terms of Reference (TORs) is at **Attachments B**. Your comments on the attached Provisional Agenda, including any amendment(s) you may wish to suggest, would be appreciated.

        The Provisional Agenda for the Terrain and Obstacle Datasets (TOD) Workshop is at **Attachment C**. The Bulletin that includes administrative arrangements for the event, and other useful information for participants, and the Hotel List is at the following link: MID Office Bulletin (icao.int).

        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. No paper copies will be available, so you are kindly requested to bring relevant documentation with you.

        Your Administration/Organization is encouraged to participate actively in the work of the meeting by submitting Working Papers and/or Presentations related to the subjects contained in the Provisional Agenda. I would be grateful to receive your presentations/papers**,** prior to **30 January 2024**, in order to allow time for processing and posting on the website.

                                                                                            ../.

States are also reminded to provide the ICAO MID Office with their updated National AIM Implementation Roadmap and the status of EAD migration. States and Administrations should therefore be prepared to provide the meeting with:

1. Update to the ASBU DAIM implementation status as per the revised MID Air Navigation Strategy;
2. Updated National AIM Implementation Roadmap in accordance with the Standard Template;
3. The status of EAD migration as part of the Phase A of the MIDAD Project;
4. Updates on ANS Deficiencies in the AIS/ AIM field (each deficiency relevant to the meeting to have an update on the implementation of any corrective actions).

I would appreciate if you could, as soon as possible, preferably not later than **10 February 2024**, confirm the participation of your Administration/Organization by submitting the Nomination Form at **Attachment D** to the following e-mail address (icaomid@icao.int) with a copy to (raissaoui@icao.int).

Accept, Sir, the assurances of my highest consideration.

Mohamed Abubaker Farea
Regional Director
Middle East Office

**Attachments**

**TENTH MEETING OF THE MIDANPIRG AIM SUB-GROUP (AIM SG/10)**

**(CAIRO, EGYPT, 28 – 29 FEBRUARY 2024)**

**PROVISIONAL AGENDA**

**Agenda Item 1:**     Adoption of the Provisional Agenda

**Agenda Item 2:**     Follow-up on DGCA-MID/6 and MIDANPIRG/20 Conclusions and Decisions relevant to AIM

**Agenda Item 3:**     Global/Regional developments related to AIM and SWIM

**Agenda Item 4:**     AIM Planning and Implementation in the MID Region

**Agenda Item 5:**     Review of Air Navigation Deficiencies in the AIM Field

**Agenda Item 6:**     Future Work Programme

**Agenda Item 7:**     Any other business

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**MIDANPIRG AERONAUTICAL INFORMATION MANAGEMENT
SUB-GROUP (AIM SG)**

1. **TERMS OF REFERENCE**

1.1 **The Terms of Reference of the AIM Sub-Group are:**

a) ensure that the implementation of AIM 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 AIM-related ASBU Threads /elements included in the MID Region Air Navigation Strategy as well as other required AIM facilities and services; identify the associated difficulties and deficiencies and provide progress reports, as required;

c) keep under review the MID Region AIM performance objectives/priorities, develop action plans to achieve the agreed performance targets and propose changes to the MID Region AIM plans/priorities;

d) seek to achieve common understanding and support from all stakeholders involved in or affected by the AIM developments/activities in the MID Region;

e) provide a platform for harmonization of developments and deployments in the AIM domain;

f) monitor and review the latest developments in the area of AIM and procedure design issues associated to AIM, provide expert inputs for AIM-related issues; and propose solutions for meeting 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 AIM Sub-Group shall:

a) monitor the status of implementation of the required AIM facilities, products and services in the MID Region;

b) assist States in the development of National AIM Plans/Roadmaps through the development and continuous update of the Regional AIM Roadmap identifying the priorities and timelines for implementation, in particular for the implementation of Digital Datasets;

c) assess and provide progress reports on the transition from AIS to AIM in the MID Region;

d) provide necessary assistance and guidance to States to ensure harmonization and interoperability in line with the GANP, the MID ANP and ASBU framework;

e) provide necessary inputs to the MID Region Air Navigation Strategy through the monitoring of the agreed Key Performance Indicators related to AIM;

f) identify and review those specific deficiencies and problems that constitute major obstacles to the provision of efficient AIM services, and recommend necessary remedial actions;

g) keep under review the adequacy of ICAO SARPs requirements in the area of AIM, taking into account, inter alia, changes in user requirements, the evolution of operational requirements and technological developments;

h) develop proposals for the updating of relevant ICAO documentation related to AIM, including the amendment of relevant parts of the MID ANP, as deemed necessary;

i) monitor and review technical and operating developments in the area of AIM and foster their implementation in the MID Region in a harmonized manner;

j) foster the integrated improvement of AIM services through proper training and qualification of the AIM personnel; and

k) Coordinate with relevant MIDANPIRG and RASG-MID Subsidiary bodies issues with common interests.

## 2. COMPOSITION

2.1    The Sub-Group will compose of:

a) MIDANPIRG Member States;

b) 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.

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**ICAO MID Workshop on the provision of Terrain and Obstacle (TOD) Datasets**

**(Cairo, Egypt, 26 – 27 February 2024)**

**PROVISIONAL PROGRAMME**

Session 1:    Welcome and opening session – group photo

Session 2:    Digital Aeronautical Information Products and Related Services

Session 3:    Terrain and Obstacle datasets: requirements specified by the relevant institutions, as ICAO and supporting material from other sources as Eurocontrol

Session 4:    Digital terrain models, obstacles, data modelling, digital terrain models, metadata, reference systems, spatial data quality, data product specification (DPS), geographic information systems data and provision using Web Services

Session 5:    The applications in which the obstacle and terrain data sets can be used as these in accordance with the data quality requirements, providing a high level review of those applications

Session 6:    The approach to planning and implementing TOD in the national scope

Session 7:    Regional best practices - MID States' experiences and industry in the provision of DDS

Session 8:    Recap of the workshop & Conclusions

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**INTERNATIONAL CIVIL AVIATION ORGANIZATION**
**MID REGIONAL OFFICE**

**Workshop on Terrain and Obstacle Datasets (TOD)**
*(Cairo, Egypt, 26 – 27 February 2024)*

**Tenth Meeting of the MIDANPIRG AIM Sub-Group (AIM SG/10)**
*(Cairo, Egypt, 28 – 29 February 2024)*

**NOMINATION FORM**

*Please indicate which event(s) you will attend:*

| | | | |
|---|---|---|---|
| **WORKSHOP ON TERRAIN AND OBSTACLE DATASETS (TOD)** | | **AIM SG/10** | |

PLEASE PRINT OR TYPE CLEARLY

Name in full:                    _____
  Mr. / Mrs. / Ms.              (as should appear in the official listing and name tag)

Title or Official Position:    _____

State/Organization:             _____

Telephone Number:             _____

Mobile:                             _____

E-mail:                             _____

Date: …………......................………....        Signature: …………......................................……….

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

- END -