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Международная
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منظمة الطيران
المدنى الدولى

国际民用
航空组织

File Ref.: ME 3/2.2 – 24/122

14 August 2024

Subject: Thirteenth Meeting of the MIDANPIRG Communication, Navigation and Surveillance Sub-Group (CNS SG/13)

(Jeddah, Saudi Arabia, 20 – 23 October 2024)

Action Required: Reply not later than 20 September 2024

Sir/Madam,

I have the honour to inform you that the Thirteenth Meeting of the MIDANPIRG Communication, Navigation and Surveillance Sub-Group (CNS SG/13) will be kindly hosted by the Saudi Air Navigation Services (SANS) in Jeddah, Saudi Arabia, from **20 to 23 October 2024**. Your Administration/Organization is kindly invited to participate in this meeting. The exact venue will be shared in due course.

The meeting will be concurrently organized with the Tenth meeting of the MIDANPIRG Air Traffic Management Sub-Group (ATM SG/10) meeting. The CNS/13 Meeting will particularly comprise specific sessions for both:

- **Ninth Meeting of the MID ATS Messaging Management Centre Steering Group (MIDAMC STG/9); and**
- **Third Meeting of the Frequency Management Working Group (FM WG/3).**

The Provisional Agenda of the meeting is at **Attachments A**. Your comments on the Provisional Agenda, including any amendment you may wish to suggest, would be considered. The Terms of Reference of the CNS Sub-Group, the MIDAMC STG and the FM WG are at **Attachments B, C and D**, respectively.

The Bulletin of the meeting that includes administrative arrangements and other useful information for participants, including the venue and the Hotel List will be posted on the ICAO MID website at: www.icao.int/mid along with this letter, all its relevant attachments and Working/Information Papers and Presentations (as they become available).

Your Administration/Organization is encouraged to participate actively in the work of the meeting by submitting Working/Information Papers related to the subjects contained in the Provisional Agenda prior to **20 September 2024** in order to allow time for processing and advanced posting on the ICAO MID website. Furthermore, you are kindly invited to submit presentations, addressing challenges, difficulties, lessons learnt and the ongoing/planned projects. For standardization purposes, a template will be shared in due course for the preparation of the State presentation.

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In accordance with the approved procedures, as specified in the MIDANPIRG Procedural Handbook, Sub-Groups of MIDANPIRG shall be composed of experts able to contribute to the work of the CNS Sub-Group, AMC STG and FM WG. For more effectiveness, I shall be grateful if you could ensure that your delegation consists of experts familiar with ICAO documentations and policies, having the required qualifications and experience in the fields of CNS.

I would appreciate if you could, as soon as possible, preferably not later than **20 September 2024**, confirm the participation of your Administration/Organization by completing this [online Nomination Form](#).

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



Mohamed Abubaker Farea
Regional Director
ICAO Middle East Office

dk/MIH

Attachments

**THIRTEENTH MEETING OF THE MIDANPIRG COMMUNICATION, NAVIGATION AND
SURVEILLANCE SUB-GROUP**

(CNS SG/13)

(Jeddah, Saudi Arabia, 20 – 23 October 2024)

PROVISIONAL AGENDA

- Agenda Item 1:** Adoption of the Provisional Agenda
- Agenda Item 2:** Review the outcome of CNS SG/13 and MIDANPIRG/21 related to CNS
- Agenda Item 3:** MID ATS Messaging Management Centre Steering Group (AMC STG/9) Main Matters including AMHS-AMC
- Agenda Item 4:** Frequency Management Working Group (FM WG/3) Main Matters
- Agenda Item 5:** CNS Planning and Implementation Framework in the MID Region
- Focus on the main Priorities and Challenges related to:
- Communication Matters
 - Navigation Matters
 - Surveillance Matters
 - Frequency Management Matters
 - ANS Cyber Security
- Agenda Item 6:** ASBU Threads/ Elements related to CNS
- Agenda Item 7:** Review of Air Navigation Deficiencies in the CNS Field
- Agenda Item 8:** Future Work Programme
- Agenda Item 9:** Any other Business

COMMUNICATION, NAVIGATION AND SURVEILLANCE SUB-GROUP (CNS SG)

1. TERMS OF REFERENCE

1.1 The Terms of Reference of the CNS Sub-Group are:

- a) ensure that the implementation of CNS 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 CNS-related ASBU Modules included in the MID Region Air Navigation Strategy as well as other required CNS supporting infrastructure, identify the associated difficulties and deficiencies and provide progress reports, as required;
- c) keep under review the MID Region CNS performance objectives/priorities, develop action plans to achieve the agreed performance targets and propose changes to the MID Region CNS plans/priorities, modernization programmes through the MIDANPIRG, as appropriate;
- d) seek to achieve common understanding and support from all stakeholders and involved in or affected by the CNS developments/activities in the MID Region;
- e) provide a platform for harmonization of developments and deployments of CNS facilities and procedures within Region and inter regional;
- f) monitor and review the latest developments in the area of CNS, provide expert inputs for CNS-related issues; and propose solutions for meeting ATM operational requirements;
- g) follow-up the developments of ICAO position for future ITU World Radio Communication (WRC) Conferences and provide expert advises to States;
- h) follow-up the operation of the MID ATS Message Management Center (MIDAMC);
- i) provide regular progress reports to the MSG and MIDANPIRG concerning its work programme; and
- j) review periodically its Terms of Reference and propose amendments, as necessary.

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

- a) provide necessary assistance and guidance to States to ensure harmonization and interoperability in line with the GANP, the MID ANP and ASBU framework;
- b) provide necessary inputs to the MID Region Air Navigation Strategy through the monitoring of the agreed Key Performance Indicators related to CNS facilities and procedures;
- c) identify and review those specific deficiencies and problems that constitute major obstacles to the provision of efficient CNS implementation, and recommend necessary remedial actions;

- d) lead the work programme of the MID-AMC including the conduct of trainings and upgrades;
- e) assist, coordinate, harmonize and support in the implementation of CNS facilities and procedures;
- f) seek States support to ICAO Position at WRCs, and encourage States for the proper utilization of the Frequency Spectrum and Interrogation Code Allocations;
- g) follow-up surveillance technologies implementation to be in line with the MID Region surveillance plan and the operational improvements in coordination with other Sub-Groups;
- h) review, identify and address major issues in technical, operational, safety and regulatory aspects to facilitate the implementation or provision of efficient Surveillance services in the MID Region;
- i) follow-up Global GNSS evolution, and provide assistance/guidance to states on available GNSS services;
- j) address Datalink communication services and support implementation where operationally required;
- k) review and identify inter-regional and intra-regional co-ordination issues in the field of CNS, harmonize and recommend actions to address those issues; and
- l) Coordinate with relevant MIDANPIRG and RASG-MID Subsidiary bodies issues with common interests.

2. COMPOSITION

2.1 The Sub-Group is composed 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.

MIDAMC Steering Group

(MIDAMC STG)

1. TERMS OF REFERENCE (TOR)

1.1 The Terms of Reference of the MIDAMC Steering are:

- a) to promote the efficiency and safety of aeronautical fixed services in the MID Region through the operation and management, on a sound and efficient basis, of a permanent MID Regional ATS Messaging Management Center (MIDAMC);
- b) foster the implementation of the Air traffic service Message handling service in the MID Region through provision of the guidance materials and running facilitation tools, utilizing the MIDAMC;
- c) MIDAMC Steering Group will consist of a focal point from each Participating MID State who would represent the State and acts as the Steering Group Member;
- d) MIDAMC Steering Group will be responsible for overall supervision, direction, evaluation of the MIDAMC project and will review/update the MIDAMC work plan whenever required;
- e) the MID Region is considering the establishment of Regional MID IP Network; the MIDAMC STG will drive the project which is called Common aeRonautical VPN (CRV), until the Operation Group is established; and
- f) provide regular progress reports to the CNS SG, and MIDANPIRG concerning its work programme.

1.2 In order to meet the Terms of Reference, the MIDAMC Steering Group shall:

- a) develop/update the accreditation procedure for all users on the MIDAMC;
- b) develop and maintain guidance materials for MIDAMC users;
- c) discuss and identify solution for operational problems may be arising;
- d) provide support/guidance to States for AMHS Implementation, and monitor the AMHS activities;
- e) assist and encourage States to conduct trial on Implementation of the ATS extended services, and identify operational requirements;
- f) provide guidance/support to States on implementation of XML based data models (IWXXM, FIXM, AIXM,...etc) over AMHS;
- g) monitor States' readiness to implement XML based data models over extended AMHS;
- h) identify the need for any enhancement for the MIDAMC and prepare functional and technical specifications, and define its financial implications;
- i) follow-up on ICAO standards and recommendations on the ATS messaging management;

- j) define future liabilities and new participating States and ANSPs;
- k) follow-up and review the work of similar groups in other ICAO Regions;
- l) follow-up the implementation of IP Network in the MID Region, through joining relevant projects, like CRV and act as project manager; and
- m) proposes appropriate actions for the early implementation also support the IP Network until the Operational Group is establish.

2. COMPOSITION

- a) ICAO MID Regional Office;
- b) Members appointed by the MIDANPIRG member States; and
- c) other representatives, who could contribute to the activity of the Steering Group , could be invited to participate 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 Study Group. The Study Group shall at all times conduct its activities in the most efficient manner possible with a minimum of formality and paperwork (paperless meetings). Permanent contact shall be maintained between the Chairperson, Secretary and Members of the Study Group 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.

Frequency Management Working Group (FMWG)

1. TERMS OF REFERENCE (TOR)

The FMWG will undertake the following tasks in the work required to manage the MID Region frequency assignments in order to ensure sufficient access to the resource for the provision of aeronautical communication, navigation and surveillance services (CNS) in an efficient and safe manner:

- a) develop MID Region frequency assignment plan including long term spectrum usage of radio systems;
- b) validate the ICAO Global database and keep it up to date;
- c) resolve current frequency assignments conflict in the ICAO Global database;
- d) develop recommendation or proposal for improvement to the existing regional VHF frequency assignment process based on the ICAO Global Spectrum Management tool, ICAO 9718 Volume II Handbook provision and current coordination issues;
- e) propose solutions for the interference incidents occurred in MID Region states in a timely manner;
- f) escalate the intentional frequency interference matters and coordinate with other relevant international organizations, as and when required;
- g) provide guidance/support to States to protect the GNSS signals;
- h) collaborate with ITU and other relevant international organization to address frequent interference incidents;
- i) support for ICAO Position at World Radio Communication Conference (WRC) and ensure MID States' support ICAO at ITU meetings;
- j) collaborate with Regional Groups; Arab Spectrum Management Group (ASMG) African Telecommunication Union (ATU), and Asia/Pacific Telecommunication Group (APT) to support ICAO position at WRC;
- k) ensure the continuous and coherent development of the relevant sections of the MID eANP, taking into account the evolving operational requirements in the MID Region and the need for harmonization with the adjacent regions in compliance with the Global Air Navigation Plan;
- l) develops recommendations for CNS SG about how to address the future operational needs and limitations in VHF voice communications, aiming at avoiding introduction of 8.33 kHz spacing in the MID Region for as long as practicable; and
- m) Frequency Management Working Group will be responsible for overall supervision of the frequency issues in the MID Region and will review/update the FMWG work plan whenever required.
- n) collect and share information on the best practices implemented by States and Regional Organizations to mitigate potential radio altimeters (RADALT) interference that caused by 5G operation.
- o) develop guidance material to protect aircraft operations from potential Radio Altimeter interference associated with the deployment of 5G ground infrastructure.

2. COMPOSITION

- a) ICAO MID Regional Office;
- b) MIDANPIRG CNS Sub Group Chairpersons;
- c) Members appointed by the MIDANPIRG member States; and
- d) other representatives, who could contribute to the activity of the Working Group, could be invited to participate as observers.