



International
Civil Aviation
Organization

Organisation
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Международная
организация
гражданской
авиации

منظمة الطيران
المدنى الدولى

国际民用
航空组织

File Ref.: ME 3/2.2 & AN 7/38– 26/059

18 March 2026

**Subject: Fifth Meeting of the Frequency Management Working Group (FM WG/5)
and
Fifteenth Meeting of the MIDANPIRG Communication, Navigation and
Surveillance Sub-Group (CNS SG/15)
(Doha, Qatar, 10 – 14 May 2026)**

Action Required: Reply not later than 25 April 2026

Sir/Madam,

I have the honour to inform you that the Fifth Meeting of the Frequency Management Working Group (FM WG/5) will be held from 10 to 11 May 2026, followed by the Fifteenth Meeting of the MIDANPIRG Communication, Navigation and Surveillance Sub-Group (CNS SG/15) from 11 to 14 May 2026. Both meetings will be gratefully hosted by the Qatar Civil Aviation Authority (QCAA) in Doha, Qatar. Your Administration/Organization is kindly invited to participate in these meetings.

The Provisional Agendas and the Terms of Reference of the FM WG/5 and CNS SG/15 meetings are at **Attachment A, B, C, and D**, respectively. Your comments on the Provisional Agendas, including any amendment you may wish to suggest, would be appreciated and given due consideration.

The Bulletin of the meetings that includes administrative arrangements and other useful information for participants, including the venue and the Hotel List, is provided at **Attachment E**, and will be posted on the ICAO MID website along with this letter, all its relevant attachments, and Working/Information Papers (as they become available).

Your Administration/Organization is encouraged to participate actively in the work of the meetings by submitting Working/Information Papers related to the subjects contained in the Provisional Agendas prior to **1 May 2026** in order to allow time for processing and advanced posting on the ICAO MID website.

../.

I would appreciate if you could, as soon as possible, preferably not later than **25 April 2026**, confirm the participation of your Administration/Organization, giving the names and contact details of your delegate(s), by submitting the Nomination Form at **Attachment F** to the following email address (icaomid@icao.int) with a copy to (malnadaf@icao.int).

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



for/ Mohamed Khalifa Rahma
Officer In Charge
ICAO Middle East Office

Attachments

FIFTH MEETING OF THE FREQUENCY MANAGEMENT WORKING GROUP (FM WG/5)
(DOHA, QATAR, 10 – 11 MAY 2026)

PROVISIONAL AGENDA

- Agenda Item 1:** Adoption of Provisional Agenda
- Agenda Item 2:** Frequency Congestion in the MID Region
- Agenda Item 3:** Interference Detection and Resolution
- Agenda Item 4:** Preparation for WRC27
- Agenda Item 5:** Any Other Business

**FIFTEENTH MEETING OF THE MIDANPIRG COMMUNICATION, NAVIGATION AND
SURVEILLANCE SUB-GROUP (CNS SG/15)**

(DOHA, QATAR, 12 – 14 MAY 2026)

PROVISIONAL AGENDA

Agenda Item 1: Adoption of Provisional Agenda

Agenda Item 2: Communication Issues

2-1 Outcome of the MIDAMC STG/9

2-2 AIDC/OLDI and FF-ICE

2-3 Air-to-Ground Communication

Agenda Item 3: Navigation issues

3-1 GNSS implementation and RFI mitigation

3-2 Conventional Navigation

Agenda Item 4: Surveillance issues

Agenda Item 5: Spectrum Issues (Outcome of the FM WG/5)

Agenda Item 6: Air Navigation Services Cyber Security

Agenda Item 7: Any Other Business

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 a 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 the 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 the 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 the 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.

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 a 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 the 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 the ICAO position for future ITU World Radio Communication (WRC) Conferences and provide expert advice 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 training 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 paperwork (paperless meetings). Permanent contact shall be maintained between the Chairperson, Secretary, and Members of the Subgroup to advance the work. The 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.



International Civil Aviation Organization

**Fifth Meeting of the Frequency Management Working Group (FM WG/5)
and
Fifteenth Meeting of the MIDANPIRG Communication, Navigation and
Surveillance Sub-Group (CNS SG/15)**

(Doha, Qatar, 10 - 14 May 2026)

BULLETIN

1. LOCATION

- 1.1 The Fifth Meeting of the Frequency Management Working Group (FM WG/5) and the Fifteenth Meeting of the MIDANPIRG Communication, Navigation and Surveillance Sub-Group (CNS SG/15) will be graciously hosted by Qatar Civil Aviation Authority (QCAA) at **Qatar Air Traffic Control Centre (QATCC)**, Doha, Qatar, from 10 to 14 May 2026.
<https://goo.gl/maps/WLzYo1ZeBps4vPA47>

2. SCHEDULE OF THE MEETINGS

- 2.1 The opening session of the FM WG/5 Meeting will be held at 09:00 hours, on Sunday, 10 May 2026.
- 2.2 The opening session of the CNS SG/15 Meeting will be held at 09:00 hours, on Monday, 11 May 2026.
- 2.3 The daily schedule and the order of the day will be announced at the opening session.
- 2.4 The Meetings will be conducted in English.

3. REGISTRATION OF PARTICIPANTS

- 3.1 Participants are requested to register at the Registration Desk located at the entrance of the Meeting Hall, one hour prior to the opening of the Meeting. Participants are also requested to wear the identification badge, which will be issued to them when inside the meeting room. Registration link will be provided by ICAO on the ICAO website; attendees who did not pre-register can register at the registration desk, where attendees will receive the badges to enter the meeting hall.

4. HOTEL RESERVATIONS/RETURN AIRLINE BOOKINGS

- 4.1 A list of hotels with Qatar CAA corporate rate is attached for your convenience, with telephone/fax numbers and addresses. You will need to arrange your own hotel reservation.

5. TRANSPORTATION

- 5.1 Participants are requested to make their own arrangements for transportation from/to the airport and from/to the events venue. However, taxis are available from the airports to all destinations. The taxi fare from the airport starts at QR. 35 per vehicle

ATTACHMENT E

5.2 Car rental agencies are located at the arrival hall of the airport terminal building.

6. INSURANCE

6.1 Participants are advised to have insurance coverage for any unexpected contingency, including transport hazards (taxi, buses, rented cars, etc.) and Medical Coverage.

7. SOME USEFUL TRAVEL INFORMATION

PASSPORT

7.1 All foreign nationals entering Qatar must possess a passport or other valid documents for travel valid for a minimum of 6 months from the date of entry into Qatar.

VISA

7.2 Qatar CAA will provide necessary assistance for the issuance of entry Visas for the delegates, when needed.

7.3 Participants who require assistance for their entry visa may contact the following Focal Points

- Mrs. Etab Al Othman
Mobile: +974 55388293
E-mail: Etab.Olothman@caa.gov.qa

Note: Visa processing time might vary, and to avoid any delays, we request that the visa requests be sent to Mrs. Etab at least one month ahead of time.

CUSTOMS

7.4 The following items may be brought into Qatar duty-free:

Personal effects, such as necessary clothing
200 cigarettes or 250 gr. of cigars or tobacco
Perfume for personal use.

8. CURRENCY, CREDIT CARDS, AND BANKING SERVICES

8.1 The unit of currency in Qatar is the **Qatari Riyal (QAR)**. The unit is divided into notes of 500, 100, 50, 10, 5, and 1. The Riyal to USD exchange rate is approximately 1 QAR = 0.27 US\$

8.2 Foreign currency exchanges and ATMs are readily accessible at the airport and major shopping destinations.

8.3 International Credit Cards, such as Visa, Master Card, etc. are usually accepted at most hotels, department stores, and restaurants.

8.4 All commercial banks exchange major foreign currencies are open from 0800 to 2000, Sundays through Thursdays. There are plenty of official exchange services. ATM machines are available all over Qatar.

9. OTHER USEFUL INFORMATION

DRINKING WATER

9.1 It is recommended that all visitors drink only bottled water/beverages; however, tap water is safe for drinking.

TELEPHONE

9.2 Mobile SIM cards are available at the Service providers outlets at the airport arrival hall and all major commercial centers.

10. WEATHER CONDITIONS

10.1 The main daily maximum and minimum temperatures for the month of December are between 25°C by day and drops down to 20°C during the nights. Please refer to the Qatar Meteorology website for further updates

11. OTHER ASSISTANCE

11.1 The General Civil Authority of Qatar will be glad to assist the participants to the Meeting with any advice they may require.

11.2 In case of emergency in Qatar, please call the Focal Point from Qatar CAA [Air Navigation Admin Office](#) (email: ans.admin@caa.gov.qa, contact: +974 44705111/5222/5777)

ATTACHMENT E

List Of Hotels - QCAA Corporate Rate 2026

	Hotel Name	Address	Corporate Rate Single Occupancy	Contact details	Transport Airport pick up/ drop off
1	Andaz Doha	Diplomatic Street, West Bay, Doha, Qatar	Qr. 650 (BB)	Motasem Madani Director of Sales & Marketing Tel +974 4452 4031 Email: motasem.madani@andaz.com	BMW5 Qr.350 per way
2	Le Royal Meridien Place Vendome Lusail (connected to Place Vendome Mall Lusail)	Place Vendome, Lusail, Doha, Qatar	Qr. 650 weekday Qr. 850 weekend (BB)	Jad Sakr Account Director - Government Tel +974 4141 6000 Email: Jad.sakr@marriott.com	BMW5 Qr.585 per way
3	Park Hyatt Doha	Msheireb Downtown Doha, PO Box 80978, Doha, Qatar	Qr. 550 (BB)	Mousa Jaberi Government Relations & Sales Manager Tel +974 4009 4234 Email: mousa.jaberi@hyatt.com	Audi A6 at Qr.250 per way
4	Steigenberger Hotel Doha	Airport Street # 9 Doha, Qatar	Qr. 450 (Full Board)	Mohamad Dimachk Director of Sales & Marketing Tel +974 4020 1636 Email: mohamad.dimachk@steigenberger.com	Included
5	Hyatt Regency Oryx Doha Hotel	Airport Road, PO Box 29922, Doha, Qatar	Qr. 400 (BB)	Suleiman Alhelou Associate Director of Sales Tel +974 4141 1234 Email: suleiman.alhelou@hyatt.com	Standard Limo Qr.110 per way

**Fifth Meeting of the Frequency Management Working Group
(FM WG/5) and**

**Fifteenth Meeting of the MIDANPIRG Communication, Navigation and Surveillance Sub-Group
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(Doha, Qatar, 10-14 May 2026)

NOMINATION FORM

Please indicate which event(s) you will attend:

**FM WG/5
10 - 11 May 2026**

**CNS SG/15
12-14 May 2026**

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. Telephone Number: _____

5. Mobile Number: _____

6. E-mail: _____

Date: Signature:

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