



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 3/2.4 – 23/225

12 October 2023

**Subject: Rescheduling of the PBN Airspace Design Workshop
(Doha, Qatar, 10 – 11 December 2023) and
Eighth Meeting of the Performance Based Navigation Sub-Group (PBN SG/8)
(Doha, Qatar, 12 - 13 December 2023)**

Action required: Reply not later than 20 November 2023

Sir,

I have the honor to refer to the ICAO State Letter Ref: ME 3/2.4 – 23/210 dated 2 October 2023 inviting your State/Administration to participate in the Performance-Based Navigation (PBN) Airspace Design Workshop scheduled back-to-back with the Eighth Meeting of the Performance Based Navigation Sub-Group (PBN SG/8) during 3 to 6 December 2023 in Doha, Qatar. On request by the Chairman and in consultation with the Host State, the dates of the events have been rescheduled as follows:

- PBN Airspace Design Workshop from 10 to 11 December 2023; and
- the Eighth Meeting of the Performance Based Navigation Sub-Group (PBN SG/8) meeting from 12 to 13 December 2023.

The Provisional Agenda for the PBN SG/8 meeting and the Terms of Reference (TORs) for the PBN SG are at **Attachments A and B**, respectively. Your comments on the attached Provisional Agenda, including any amendment you may wish to suggest, would be appreciated.

The Provisional Agenda for the PBN Airspace Design Workshop is at **Attachment C**. The Bulletin that includes administrative arrangements for the events, and other useful information for participants, and the Hotel List is at **Attachment D**.

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.

We encourage your Administration/Organization to provide a short report on PBN Implementation and/or challenges. Moreover, please do not hesitate to add topics and presentations of interest from your recent activities that you would like to share with the PBN Sub-Group participants.

MW/RA

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I would appreciate if you could, as soon as possible, preferably not later than **20 November 2023**, confirm the participation of your Administration/Organization giving the names and contact details of your delegate(s), by submitting the Nomination Form at **Attachments E** to the following email address (icaomid@icao.int).

Accept, Sir, the assurances of my highest consideration.



for/ Mohamed Abubaker Farea
Regional Director
Middle East Office

Attachments

**EIGHTH MEETING OF THE PERFORMANCE BASED
NAVIGATION SUB-GROUP (PBN SG/8)**

(Doha, Qatar, 12 - 13 December 2023)

PROVISIONAL AGENDA

- Agenda Item 1:** Adoption of the Provisional Agenda
- Agenda Item 2:** Follow-up on MIDANPIRG/20 Conclusions and Decisions relevant to PBN
- Agenda Item 3:** Global and Regional Developments related to PBN
- Agenda Item 4:** PBN Planning and Implementation in the MID Region
- Agenda Item 5:** Working Arrangements and Future Work Programme
- Agenda Item 6:** Any other business

**MIDANPIRG PERFORMANCE BASED NAVIGATION
SUB-GROUP (PBN SG)**

1. TERMS OF REFERENCE

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

- a) ensure that the implementation of PBN 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 PBN-related ASBU threads/elements included in the MID Region Air Navigation Strategy as well as other required PBN supporting infrastructure, identify the associated difficulties and deficiencies and provide progress reports, as required;
- c) keep under review the MID Region PBN performance objectives/priorities, develop action plans to achieve the agreed performance targets and propose changes to the MID Region PBN plans/priorities, as appropriate;
- d) seek to achieve common understanding and support from all stakeholders involved in or affected by the PBN and GNSS developments/activities in the MID Region;
- e) provide a platform for harmonization of developments and deployments of PBN concentrating on PBN for approach and terminal areas;
- f) monitor and review the latest developments in the area of PBN and procedure design, provide expert inputs for PBN-related issues; and propose solutions for meeting ATM operational requirements;
- g) monitor and review the latest GNSS developments and activities;
- h) provide regular progress reports to the MIDANPIRG concerning its work programme; and
- i) review periodically its Terms of Reference and propose amendments, as necessary.

1.2 In order to meet the Terms of Reference, the PBN 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 PBN;

- c) identify and review those specific deficiencies and problems that constitute major obstacles to the provision of efficient PBN implementations, and recommend necessary remedial actions;
- d) review and support the MID Flight Procedure Programme activities, as required, including coordination of capacity building activities related to training and qualification of the procedure design personnel and all other personnel involved in PBN implementation;
- e) monitor the progress of studies, projects, trials and demonstrations by the MID Region States, and other ICAO Regions in PBN and GNSS; and
- f) 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.

PBN Airspace Design Workshop
(Doha, Qatar, 10 – 11 December 2023)

PROVISIONAL AGENDA

- Agenda Item 1:** Introduction to Area Navigation
- Agenda Item 2:** Airspace Concept and Introduction to PBN
- Agenda Item 3:** Overview of PBN NavSpecs
- Agenda Item 3:** PBN Procedure Design Considerations
- Agenda Item 4:** Airspace Concept Development and Implementation
- Agenda Item 5:** PBN Airspace Design– Case Study



International Civil Aviation Organization

**PBN Airspace Design Workshop
(Doha, Qatar, 10 – 11 December 2023)
PBN SG/8 Meeting
(Doha, Qatar, 12 – 13 December 2023)**

BULLETIN

1. LOCATION

1.1 The PBN Airspace Design Workshop and the PBN SG/8 Meeting will be kindly hosted by Qatar Civil Aviation Authority (QCAA) in Doha, Qatar. The Workshop and the Sub-Group Meeting will be held **from 10 to 13 December 2023**.

1.2 The exact venue will be at **Qatar Air Traffic Control Centre (QATCC)**
<https://goo.gl/maps/WLzYo1ZeBps4vPA47>

2. SCHEDULE OF THE MEETING

2.1 The Opening Session of the Meeting will be held at 09:00 Doha local time.

2.2 The schedule and order of the day will be announced at the Opening Session.

2.3 The Meeting will be conducted in English language.

3. REGISTRATION OF PARTICIPANTS

3.1 Participants are requested to register to obtain a participant badge, at the Registration Desk located at the entrance of the designated conference between 08:30 and 09:00 hours on the opening days of the Meeting. Participants are requested to wear the Identification Badge during the Meeting sessions.

4. DOCUMENTATION

4.1 Please note that no documentation will be available in hard copy format. However, documentation related to the Meeting will be available on the ICAO MID Regional Office website.

5. HOTEL RESERVATIONS

5.1 A list of hotels with Qatar CAA corporate rate is **attached** for your convenience with contact details and addresses. Participants will need to arrange their own hotel reservation.

6. TRANSPORTATION

6.1 Participants are required to arrange their own Airport transportation.

6.2 Airport Taxi Services operate private services from the airport to the city, and its neighborhoods at approximately QAR 35 per vehicle.

6.3 Car rental agencies are located at the airport terminal.

6.4 Participants are required to arrange the daily commute to/from the venue.

7. INSURANCE

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

8. SOME USEFUL TRAVEL INFORMATION

PASSPORT

8.1 All foreign nationals entering Qatar must possess valid passports or other valid documents for travel. Documents with less than six months to run before expiry are not acceptable.

VISA

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

8.3 With a view to assist in the process of issuance of entry visa to Qatar, copy of the passport of delegate should be sent, as soon as possible, not later than **15th November** to the attention of Air Navigation Admin Office (email: ans.admin@caa.gov.qa; contact: +974 44705111/5222/5777)

CUSTOMS

8.4 The following items may be brought into Qatar duty free:

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

8.5 Additional quantities of the above items may also be purchased at Doha International Airport duty free arrival shops before clearing customs. Non-Muslims may purchase reasonable quantities of alcoholic drinks at this outlet.

9. CURRENCY, CREDIT CARDS AND BANKING SERVICES

9.1 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\$

9.2 There are restrictions on import of foreign currency. Not more than 50,000 QAR allowed.

9.3 International Credit Cards, such as American Express, Diners Club, Visa, Master Card, Carte Blanche, etc. are usually accepted at most hotels, department stores and restaurants.

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

10. OTHER USEFUL INFORMATION

SHOPPING

10.1 Be prepared to bargain in small shops, sidewalk vendors etc. In large stores, however, the prices are fixed.

TAP WATER

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

TELEPHONE

10.3 Mobile SIM Cards are available at the Service providers' outlets at the airport arrival terminal and all major commercial centers.

11. WEATHER CONDITIONS

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

12. OTHER ASSISTANCE

12.1 Qatar Civil Aviation Authority will be glad to assist the participants to the Meeting with any advice they may require.

12.2 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)

List Of Hotels - QCAA Corporate Rates 2023

	Hotel Name	Address	Corporate Rate BB Single Occupancy	Contact details	Transport Airport pick up/ drop off
1	The Plaza hotel	Umm Ghuwailina Area,C Ring road Doha, Qatar	Qr. 700	Mohamad Fakih Assistant Director of Sales D: +974 4040-2222 Email: mfakih@anantara.com	BMW Limo car at Qr.350 per way per car
2	Rixos Gulf Hotel Doha	Ras Abu Abboud Street, Doha, P.O.Box 1911 Qatar	Qr. 650	Jafar Ibrahim Sales Manager D: +974 4040-2222 Email: mfakih@anantara.com	Audi A6 Limo car at Qr.220 per way per car
3	Steigenberger Hotel Doha	Airport Street #9 Doha, Qatar	Qr. 450	Mohamad Dimachk Director of Sales & Marketing D: +974 4020 1636 Email: mohamad.dimachk@steigenberger.com	Included in the room rate
4	Hyatt Regency Oryx Doha hotel	Airport Road, Doha, Qatar PO Box 29922	Qr. 400	Suleiman Alhelou Associate Director of Sales D: +974 4141 1234 Email: suleiman.alhelou@hyatt.com	Standard Limo car at Qr.110 per way per car
5	Movenpick Hotel Doha hotel	Corniche Road , Al Meena Street, Doha, Qatar	Qr. 285	Mousa Samaan Sales Manager D: +974 44291231 Email: Mousa.samaan@movenpick.com	Included in the room rate

**INTERNATIONAL CIVIL AVIATION ORGANIZATION
MID REGIONAL OFFICE**

PBN AIRSPACE DESIGN WORKSHOP

(DOHA, QATAR, 10 – 11 DECEMBER 2023)

**EIGHTH MEETING OF THE PERFORMANCE BASED NAVIGATION SUB-GROUP
(PBN SG/8)**

(Doha, Qatar, 12 - 13 December 2023)

NOMINATION FORM

Please indicate which event(s) you will attend:

**PBN AIRSPACE
DESIGN WORKSHOP**

PBN SG/8

- 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).