



International
Civil Aviation
Organization

Organisation
de l'aviation civile
internationale

Organización
de Aviación Civil
Internacional

Международная
организация
гражданской
авиации

منظمة الطيران
المدنى الدولى

国际民用
航空组织

File Ref.: ME 3/2.4-19/361

20 November 2019

Subject: Fourth Meeting of the Performance Based Navigation Sub-Group (PBN SG/4) (Cairo, Egypt, 19-21 January 2020)

Action required: Reply not later than 31 December 2019

Sir,

I have the honour to inform you that the Fourth Meeting of the Performance Based Navigation Sub-Group (PBN SG/4) will be held at the ICAO MID Office, Cairo, Egypt, **19-21 January 2020**, back-to-back with the AIM SG/6 Meeting (21-23 January 2020). Your Administration/Organization is kindly invited to participate in this meeting.

The Provisional Agenda for the PBN SG/4 meeting is at **Attachment A**. Your comments on the attached Provisional Agenda, including any amendment you may wish to suggest, would be appreciated.

Administrative arrangements for the Meeting and other useful information for participants, including the MID Office Bulletin and the Hotel List are available on the ICAO MID Office website at: <https://www.icao.int/MID/Pages/MID-Office-Bulletin.aspx>.

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

I would like to highlight that in accordance with its TORs at **Attachment B**, the PBN SG/4 meeting will address PBN planning and implementation issues in the MID Region. Therefore, each State is invited to provide an update on its PBN Implementation Plan/Roadmap, the associated challenges faced in the implementation process and the lessons learned/best practices, as well as the action plans to meet the global and regional targets.

Your Administration/Organization is encouraged to participate actively in the work of the meeting by submitting presentation(s) addressing the status of PBN implementation in your State, including the challenges/difficulties faced during the implementation process, and any other subject contained in the Provisional Agenda. I would be grateful to receive your presentation(s) by **10 January 2020**, in order to allow time for processing and posting on the ICAO MID website.

../.

I would appreciate if you could, as soon as possible, preferably not later than **31 December 2019**, confirm the participation of your Administration/Organization by submitting the Nomination Form at **Attachment C** to the ICAO MID Office at the following email address (icaomid@icao.int).

Accept, Sir, the assurances of my highest consideration.



for/ Mohamed Khalifa Rahma
Middle East Regional Director

Attachments

**FOURTH MEETING OF THE PERFORMANCE BASED
NAVIGATION SUB-GROUP (PBN SG/4)**

(Cairo, Egypt, 19 - 21 January 2020)

PROVISIONAL AGENDA

- Agenda Item 1:** Adoption of the Provisional Agenda and election of Chairpersons
- Agenda Item 2:** Follow-up on MIDANPIRG/17 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:** Future Work Programme
- Agenda Item 6:** Any other Business

**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) methodology and the MID Region Air Navigation Strategy;
- b) monitor the status of implementation of the MID Region PBN-related ASBU Modules 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, through the ANSIG, 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) carry out necessary studies for the establishment of a MID Flight Procedure Programme Office;
- i) provide regular progress reports to the ANSIG 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 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 methodology;

- b) provide necessary inputs to the MID 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 implementation, and recommend necessary remedial actions;
- d) develop and lead the work programme of the MID PBN Support Team (MPST) including the conduct of MPST visits;
- e) assist States that may require support in the implementation of PBN, through MPST support teams;
- f) conduct study related to the establishment of the MID Flight Procedure Programme office;
- g) monitor the progress of studies, projects, trials and demonstrations by the MID Region States, and other ICAO Regions in PBN and GNSS;
- h) study requirements for GNSS Augmentation Systems in the MID Region, and develop implementation plans; and
- i) foster the implementation of PBN through proper training and qualification of the procedure design personnel and all other personnel involved in PBN implementation.

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.
