



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 3/2.4-15/344

22 December 2015

Subject: **Second Meeting of the Performance Based Navigation Sub-Group
(PBN SG/2)**
(Sharm El Sheikh, Egypt, 22 - 25 February 2016)

Action required: **Reply not later than 1 February 2016**

Sir,

I have the honour to invite your Administration/Organization to participate in the Second meeting of the Performance Based Navigation Sub-Group (PBN SG/2), which will be held in Sharm El Sheikh, Egypt, 22 - 25 February 2016. The exact venue of the meeting will be provided in due course. The PBN SG/2 meeting is gratefully hosted by the National Air Navigation Services Company (NANSC), Egypt.

The Provisional Agenda, Explanatory Notes of the meeting and the Terms of Reference of the PBN Sub-Group are at **Attachments A, B and C**, respectively. Your comments on the attached provisional Agenda, including any amendment(s) you may wish to suggest, would be appreciated.

The Bulletin describing administrative arrangements for the meeting and other useful information for participants, including the Hotel List will be provided/posted on the ICAO MID Regional Office website, in due course (<http://www.icao.int/mid>).

I would like to bring to your attention that the PBN SG/2 meeting will review the status of PBN Implementation and agree on measures to foster the PBN implementation in the MID Region, in order to meet the global and regional targets. In this respect, each State is invited to provide an update on its PBN implementation Plan, the associated challenges faced in the implementation process and the lessons learned/best practices.

A progress report on the establishment of the MID Flight Procedure Programme (FPP) will be presented to the meeting for appropriate follow-up actions.

In view of the above, 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 **1 February 2016**, 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 **1 February 2016** confirm the participation of your Administration/Organization by submitting the Nomination Form at **Attachment D** to the ICAO MID Regional Office to the following email address (icaomid@icao.int) with a copy to (ekhoury@icao.int).

Accept, Sir, the assurances of my highest consideration.



Mohamed R.M. Khonji
Regional Director, Cairo

Attachments

**SECOND MEETING OF THE PERFORMANCE BASED
NAVIGATION SUB-GROUP**

(PBN SG/2)

(Sharm El Sheikh, Egypt, 22 - 25 February 2016)

PROVISIONAL AGENDA

- Agenda Item 1: Adoption of the Provisional Agenda
- Agenda Item 2: Follow-up on MIDANPIRG/15 Conclusions and Decisions relevant to PBN
- Agenda Item 3: Global and Regional Developments related to PBN
- Agenda Item 4: PBN Implementation in the MID Region
- Agenda Item 5: Future Work Programme
- Agenda Item 6: Any other Business

**SECOND MEETING OF THE PERFORMANCE BASED
NAVIGATION SUB-GROUP**

(PBN SG/2)

(Sharm El Sheikh, Egypt, 22 - 25 February 2016)

EXPLANATORY NOTES

Agenda Item 1: Adoption of the Provisional Agenda

The meeting will review and adopt, as appropriate the agenda for the PBN SG/ meeting.

Agenda Item 2: Follow-up on MIDANPIRG/14 Conclusions and Decisions relevant to PBN

The meeting will review MIDANPIRG/15 Conclusions and Decisions relevant to PBN and note the follow-up actions taken by concerned parties.

Agenda Item 3: Global and Regional Developments related to PBN

The meeting will be updated on the Global and Regional developments related to PBN, including those related to GNSS.

Agenda Item 4: PBN Implementation in the MID Region

The meeting will review the status of PBN implementation in the MID Region and update the Aviation System Block Upgrades (ASBU) Block 0 Modules APTA, CCO and CDO, contained in the MID Region Air Navigation Strategy, MID Doc 002. The meeting will review and update the MID Region PBN implementation Plan, as deemed necessary.

Each State will provide an update on its PBN Implementation Plan and the associated challenges faced during the implementation process, in order to identify the challenges impeding States from meeting the agreed targets. Accordingly, the meeting is expected to explore means to support States to overcome the identified challenges.

The meeting will be apprised of the establishment progress of the MID Flight Procedure Programme (FPP), for appropriate actions.

Agenda Item 5: Future Work Programme

The meeting will review and update, as deemed necessary, the Terms of Reference of the PBN Sub-Group. The meeting will agree on the dates and venue, of its next meeting.

Agenda Item 6: Any other Business

Any other matters not covered by the agenda, might be addressed under this agenda item.

**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.
