



International Civil Aviation Organization

**Performance Based Navigation Sub-group
(PBN SG)**

**First Meeting
(Cairo, Egypt, 1 - 3 April 2014)**

Agenda Item 6: Future Work Programme

FUTURE WORK PROGRAMME

(Presented by the Secretariat)

<p style="text-align: center;">SUMMARY</p> <p>The aim of this paper is to agree on the tentative dates and venue for the next PBN SG meeting.</p> <p>Action by the meeting is at paragraph 3.</p>
<p style="text-align: center;">REFERENCES</p> <ul style="list-style-type: none">- MIDANPIRG/14 Meeting Report- MIDANPIRG Procedural Handbook

1. INTRODUCTION

1.1 In accordance with the MIDANPIRG Procedural Handbook, the PBN Sub Group is expected to review and update, as necessary, its Terms of Reference and to decide on the dates and venue of its next meeting.

2. DISCUSSION

2.1 The meeting may wish to recall that MIDANPIRG/14, Jeddah, Saudi Arabia, 15-19 December 2013, endorsed the seven Edition of the MIDANPIRG Procedural Handbook which includes the MIDANPIRG new organizational structure and the subsidiary bodies' associated Terms of Reference.

2.2 The Terms of Reference of the PBN Sub-Group are at **Appendix A** to this working paper.

2.3 The meeting may wish to note that MIDANPIRG/15 will be held tentatively in May 2015. Accordingly, it's proposed that the PBN SG/2 meeting be held during the second half of 2015 in the ICAO MID Regional Office, Cairo, Egypt, unless a State offers to host the meeting. The exact dates and venue will be coordinated with the Chairperson of the PBN SG.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) review and update as deemed necessary the PBN Sub-Group TOR at **Appendix A**; and
- b) agree on the dates and venue of the PGN SG/2 meeting.

APPENDIX A

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.