



International Civil Aviation Organization

**Tenth Meeting of the Performance Based Navigation Sub-Group
(PBN SG/10)**

(Amman, Jordan, 10 - 11 December 2025)

Agenda Item 2: Follow-up on MIDANPIRG/22 Conclusions and Decisions relevant to PBN

FOLLOW-UP ON MIDANPIRG/22 CONCLUSIONS AND DECISIONS RELEVANT TO PBN

(Presented by the Secretariat)

SUMMARY

This paper presents MIDANPIRG/22 Conclusions and Decisions relevant to PBN and the follow-up actions taken.

Action by the meeting is at paragraph 3.

REFERENCES

- MIDANPIRG/22 and RASG-MID/12 (Doha, Qatar, 4 - 8 May 2025) Report

1. INTRODUCTION

1.1 The Twenty First Meeting of the Middle East Air Navigation Planning and Implementation Regional Group and the Eleventh Meeting of the Regional Aviation Safety Group-Middle East (MIDANPIRG/22 & RASG-MID/12) were held in Doha, Qatar, from 4 to 8 May 2025. The MIDANPIRG/22 meeting adopted 34 Conclusions and Decisions; of which, 15 considered relevant to the work of the PBN.

2. DISCUSSION

2.1 The meeting may recall that the PBN Sub-Group is tasked with the follow-up on the implementation process related to PBN and to inform MIDANPIRG on progress, achievement, and problems being encountered.

2.2 This paper provides the meeting with an update on the status of MIDANPIRG/22 Conclusions and Decisions related to PBN. It also shows the follow-up actions taken by concerned parties as at **Appendix A**.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note the follow-up actions on the list of Conclusions and Decisions at **Appendix A**; and
- b) provide updates as appropriate.

FOLLOW-UP ON MIDANPIRG/22 CONCLUSIONS & DECISIONS

No.	CONCLUSIONS AND DECISIONS	CONCERNS/ CHALLENGES (RATIONALE)	DELIVERABLE/ TO BE INITIATED BY		TARGET DATE	STATUS/REMARKS
C. 2	<p>CONSOLIDATED REGIONAL APPROACH TO GNSS RFI MANAGEMENT <i>That, a consolidated regional approach for the management of GNSS RFI be established with the following actions:</i> <i>a) States be urged to:</i> <i>i. Support the establishment of regional GNSS RFI monitoring and reporting mechanisms through the appropriate MID regional frameworks;</i> <i>ii. maintain an adequate network of conventional navigation aids to ensure continuity of air navigation services in case of GNSS signal degradation;</i> <i>iii. strengthen civil-military coordination and ensure timely sharing of information related to intentional GNSS interference;</i> <i>iv. define reversion scenarios and associated contingency procedures to maintain safe and efficient operations in the event of GNSS unavailability.</i> <i>b) ICAO MID Office be requested to:</i> <i>i. coordinate the development of the regional GNSS RFI management framework and potential reporting mechanism;</i> <i>ii. support States through regional capacity building and awareness activities on GNSS interference detection and mitigation;</i> <i>iii. liaise with ICAO Headquarters to contribute to the deployment of global guidance material specifications, including the GNSS RFI mitigation iPack and available information exchange mechanisms.</i></p>	<p>The need for a consolidated regional approach for the management of GNSS radio frequency interference (RFI)</p> <p>The need to develop CMC plan</p> <p>The need to update State contingency plan</p>	<p>a) establish regional GNSS RFI monitoring and reporting mechanism through the appropriate MID regional frameworks;</p> <p>develop CMC plan</p> <p>update State contingency plan</p>	<p>ICAO MID</p> <p>States</p> <p>States</p>	<p>TBD</p>	<p>Ongoing SL Ref: AN7/30.21 -25/130 Dated 24 June 2025</p>
D. 3	<p>AMENDED RASG-MID SAFETY ADVISORY 14 That, the amended RASG-MID Safety Advisory 14 (RSA-14) at Appendix 2B is endorsed.</p>	<p>need for its revision to incorporate inputs from both ATM, CNS and PBN S Gs operational response measure</p>	<p>Revised version of RSA-14</p>	<p>MIDANPIRG/22</p>	<p>2025</p>	<p>Completed</p>

C.5	MID FPP SUSTAINABILITY AND FUTURE PLAN <i>That:</i> <i>a) ICAO MID Office and the MID FPP SC explore alternative options for the continuation of the MID FPP with a different business model; and</i> <i>b) ICAO MID Office continue to manage the Programme until a final decision regarding the future of the Programme is taken by the MIDANPIRG/23.</i>	To address the financial challenges and ensure the continued success and sustainability of the MID FPP.	Options to ensure Continuity and Sustainability of the MID FPP	ICAO MID and MIDFPP SC	2025	On-going Refer WP/15
C. 22/1	MID AIR NAVIGATION REPORT - 2024 <i>That, the MID Air Navigation Report-2024 is endorsed and be published by the ICAO MID Office.</i>	Reflect the implementation Status of RANP within the MID Region	MID Air Navigation Report 2024	ICAO MID	March 2025	Completed ANR 2024 posted at
C. 22/2	MID AIR NAVIGATION PLAN VOLUME III EDITION 2025) <i>That, MID Air Navigation Plan Volume III (Edition 2025) be endorsed and published under the ICAO MID Office website.</i>	Need to update the ANP Vol III to align with the GANP and the Performance Based Approach	Revised MID ANP Vol III	ICAO MID	2025	Completed MID ANP Vol III posted and available on the ICAO MID web site
C. 22/3	MID AIR NAVIGATION STRATEGY (EDITION MARCH 2024 REVISION FEBRUARY 2025) <i>That, the MID Air Navigation Strategy (ICAO MID DOC 002, Edition March 2024,Revision February 2025) be endorsed and published under the ICAO MID Office website.</i>	To publish the status of ASBU implementation in the MID Region	MID Air Navigation report (2024)	ICAO MID	May 2025	Completed Air Navigation Report 2024 posted and available on the ICAO MID web site
C. 22/4	MID REGION AIR NAVIGATION REPORT (2025) <i>That,</i> <i>a) States urged to provide the ICAO MID Office with the following data for the development of the MID Region Air Navigation Report-2025 by 31 December 2025:</i> <i>i. the status of implementation of Priority 1 ASBU elements;</i> <i>ii. major achievements and success stories</i> <i>iii. information about any additional ASBU elements from Block 0, 1 and 2 that have been identified as a priority for implementation at National level; and</i> <i>iv. progress achieved for the implementation of the Performance Based Approach and development of National Air Navigation Plan (NANP).</i> <i>b) the MID Air Navigation Report (2025) be presented to the MIDANPIRG/23 for endorsement.</i>	Monitoring and Reporting on ASBU and PBA implementation in the MID Region	State Letter Data for web based AN Report 2025	ICAO MID States	December 2025	On-going

D. 22/13	<p>FREE ROUTE IMPLEMENTATION GUIDANCE MATERIAL That, the Guidance material for Free Route implementation at Appendix 5I, is endorsed.</p>	Development of FRA guidance material supported by the expertise of states implemented the FRA within their FIRs	FRA guidance material	MID States	2025	Completed
C. 22/20	<p>MID NAV-MON ACTION GROUP <i>That,</i> <i>a) NAV-MON Action Group be established to develop a proposal for a Regional Navigational Minimum Operational Network supporting the ANS operations;</i> <i>b) the terms of reference of the NAV-MON Action Group be developed during the first meeting of the Action Group; and</i> <i>c) States support the NAV-MON Action Group through the assignment of CNS and ANS Subject matter experts and sharing states' experience and provision of required data for developing the MID NAV-MON Network.</i></p>	Development of Regional Navigational Minimum Operational Network supporting the ANS operations.	MID NAV-MON Network	MIDANPIRG/2	2026	On-going
C. 22/23	<p>PUBLICATION OF GNSS-RELATED INFORMATION IN STATES' AIPS <i>That,</i> <i>a) States that have not yet done so are urged to promptly publish GNSS information in the relevant sections of their AIPs, including AD 2.19 (Radio Navigation and Landing Aids) and ENR 4.3 (Global Navigation Satellite System - GNSS), ensuring compliance with ICAO Standards and Recommended Practices (SARPs) and associated guidelines; and</i> <i>b) ICAO MID monitor the publication status of GNSS-related information in States' AIPs and regularly report progress to the relevant subsidiary bodies of MIDANPIRG.</i></p>	To promote and foster the harmonization and consistency in the publication of GNSS-related information within MID States' Aeronautical Information Publications (AIPs)	Publication of GNSS-related information within MID States' Aeronautical Information Publications (AIPs)	States	2025	Completed State Letter Ref.: AN 8/2.1 – 25/107 dated 2 June 2025

D. 22/25	PBN SID/STAR CHARTS HARMONIZED AIP PUBLICATION <i>That, ICAO MID Office:</i> <i>a) promotes the PBN SID and STAR Charting factsheet at Appendix 5T along with the complementary explanatory guidance at Appendix 5U to enhance harmonization in the publication of these procedures across the MID Region, ensuring their widespread dissemination among member states; and</i> <i>b) monitors the implementation status of PBN SID/STAR charts and the harmonized AIP publication and provides progress reports to the relevant subsidiary bodies of MIDANPIRG.</i>	To support standardization and promote harmonization and consistency in the publication of PBN SID and STAR Charts	PBN SID/STAR charts Harmonised AIP Publication' factsheet	ICAO MID	2025	Completed State Letter Ref.: AN 6/28 – 25/109 dated 2 June 2025
C. 22/26	GUIDANCE MATERIAL ON RNP APPROACH <i>That, ICAO MID promotes the guidance material on RNP Approach (RNP APCH) outlined in EUR Doc 025, at Appendix 5V, and ensuring its widespread dissemination among MID States.</i>	To promote the guidance material on RNP Approach (RNP APCH) outlined in EUR Doc 025	Guidance material on RNP Approach (RNP APCH) outlined in EUR Doc 025	ICAO MID	2025	Completed State Letter Ref.: AN 6/28 – 25/110 dated 2 June 2025
C. 22/27	IFP PROVISIONS AND SAFETY OVERSIGHT WORKSHOP <i>That,</i> <i>a) IFP Provision and Safety Oversight Workshop be organized in 2025; and</i> <i>b) States and stakeholders are encouraged to actively participate in the workshop to exchange experiences, address challenges, and foster collaboration.</i>	To strengthen and support Civil Aviation Authorities (CAAs) in establishing a robust oversight framework for IFP	Workshop on IFP provisions and oversight	ICAO MID	2025	Completed
C. 22/34	REVISED TERMS OF REFERENCE FOR MIDANPIRG SUBSIDIARY BODY <i>That, all Subsidiary bodies include in its meeting agenda revision of Terms of Reference, in a collaborated manner with other subgroups to ensure less duplication of assigned tasks and responsibilities.</i>	Need to revise the TOR of SGs	Revised TOR	PBN SG	MIDANPIRG /23	On going Refer WP/16
C.21/7	WORKSHOP ON PBN/GNSS <i>That, ICAO, jointly with ACAO organize a Workshop on PBN/GNSS in 2024.</i>	To provide a forum for sharing the current developments and future evolutions related to GNSS along with implementation of different GNSS elements/options and associated challenges.	Workshop	ICAO	2026	ICAO Workshop on PBN/GNSS is postponed to 2026