International Civil Aviation Organization

Thirteenth Meeting of The Performance Based Navigation Implementation Coordination Group (PBNICG/13)

(Bangkok, Thailand, 14-16 October 2026)

Agenda Item 2: Global and Regional PBN Updates

RELATED MEETINGS OUTCOMES

(Presented by Secretariat)

SUMMARY

This paper presents Performance Based Navigation Implementation Coordination Group (PBNICG) related outcomes of meetings conducted by the relevant contributory bodies of the Asia/Pacific Air Navigation Planning and Implementation Regional Group (APANPIRG).

1. INTRODUCTION

1.1 The Thirty-Sixth Meeting of the Asia/Pacific Air Navigation Planning and Implementation Regional Group (APANPIRG/36) was held in Bangkok, Thailand, from 24 to 26 November 2025.

1.2 The Thirteenth Meeting of the Communications, Navigation and Surveillance Sub-group (CNS SG/30) of APANPIRG was held in Bangkok, Thailand, from 16 to 20 June 2026.

1.3 The Thirteenth Meeting of the Air Traffic Management Sub-Group (ATM/SG/13) of APANPIRG was held in Bangkok, Thailand, from 25 to 29 August 2026.

2. DISCUSSION

APANPIRG/36

Asia/Pacific Seamless ANS Plan Version 4.0

2.1 APANPIRG/36 was informed of a proposal to amend the implementation priority of the Navigation Systems (NAVS) Block 0 elements in the Asia/Pacific Seamless ANS Plan Version 4.0 and received an update on the APAC Seamless ANS Reporting Tool status.

2.2 It was noted that the published priorities differed from those recommended by the CNS-related Ad Hoc Group, leading to further review at GBAS/SBAS ITF/7 and CNS SG/29 in 2025, where revised priorities for the NAVS elements were agreed. The Ad Hoc Group started with members sharing their current reporting and coordination processes as well as GNSS RFI event data.

Conclusion APANPIRG/36/12 – Asia/Pacific Regional FIXM version 4.3 Extension

a. The corrigendum to the Asia/Pacific Seamless ANS Plan Version 4.0 at Appendix A to the Report on Agenda Item 3.2 be adopted, and uploaded to the ICAO Asia/Pacific Regional Office webpage to supplement the existing version;

b. the ICAO Secretariat to update the Asia/Pacific Seamless ANS Reporting Tool to reflect these changes; and

c. States are urged to update their national air navigation plan (NANP) to align with the revised Asia/Pacific Seamless ANS Plan Version 4.0.

Corrigendum to the Asia/Pacific Seamless ANS Plan Version 4.0

APAC 5LNC adhoc group

2.3 APANPIRG/36 noted challenges in 5LNC management, including processing timelines, similarity-based rejections and the adequacy of the current 500 NM proximity check radius and that the Ad Hoc Group would undertake a detailed study, including a safety assessment, on the possible reduction of the radius.

2.4 The meeting also provided on five-letter name-code (5LNC) and five-character alphanumeric code (5ANNC) management, including support for the establishment of an APAC 5LNC Ad Hoc Group to address code shortages and duplication.

CNSSG/30

SBAS GBAS Guidance Material

2.5 This meeting provided information on the outcomes of the GBAS/SBAS ITF/8 held in Melbourne, Australia, on 12-14 May 2026. It was informed that the GBAS/SBAS ITF/8 Meeting deliberated updates to the Guidance Document for Implementation of SBAS in the APAC Region, which were previously approved by the CNS SG. It was proposed to add the guidance material on APV and LPV prepared by Australia as Appendix 3 of the guidance document. Following the discussion among members, the GBAS/SBAS ITF/8 agreed on the following Draft Conclusion for adoption by CNS SG/30, which was adopted in CNS SG/30.

Conclusion CNS SG/30/03 (GBAS/SBAS ITF/8-01) – Update of the Guidance Document for Implementation of SBAS in the APAC Region

the updated guidance document for implementation of SBAS in the APAC Region, provided in Appendix 4 of the report, is adopted.

To provide updated guidance to States for the implementation of SBAS

Status of SBAS GBAS ITF

2.6 The Meeting expressed differing views regarding the most appropriate mechanism for addressing future GBAS/SBAS-related activities. Some States/Administrations considered that PBN implementation and GBAS/SBAS involve distinct areas of expertise and therefore should be addressed through separate contributory bodies. Other States/Administrations were of the view that GBAS and SBAS support the PBN implementation roadmap and are therefore closely linked to PBN activities. It was also noted that technical matters related to GBAS/SBAS are primarily discussed and future provisions developed within the ICAO Navigation Systems Panel (NSP). While some participants supported expanding the ToR of the PBNICG to include GBAS/SBAS-related tasks, others favored the establishment of a dedicated GBAS/SBAS Coordination Group. As a consensus

could not be reached on the preferred approach, the Meeting agreed to proceed with a vote to determine the way forward.

2.7 The voting results indicated that eight States/Administrations (China, Hong Kong China, Macao China, Indonesia, Malaysia, Maldives, Singapore, and Thailand) supported the integration of GBAS/SBAS-related activities within the existing PBNICG framework, while five States/Administrations (Australia, France, Japan, the Philippines, and the United States) supported the establishment of a dedicated GBAS/SBAS Coordination Group.

2.8 Based on the outcome of the vote, the Meeting agreed to recommend that future GBAS/SBAS-related activities be incorporated into the ToR of PBNICG. The Meeting further agreed that PBN and GBAS/SBAS experts should collaboratively review the existing ToR and consider an appropriate revision to the group's name to reflect its expanded responsibilities. It was also agreed that the revised group structure could include a dedicated technical Co-Chair position with expertise in GBAS/SBAS to support the group's activities. ACTION ITEM 30-7 In addition, the duration of future Meetings may be adjusted, as necessary, to accommodate the expanded scope of work.

Decision CNS SG/30/04 – Dissolution of GBAS SBAS Implementation Task Force (GBAS SBAS ITF)

GBAS SBAS ITF completed all the allocated tasks under the ToR and is dissolved

ATMSG/14
Guidance Materials for GNSS RFI and Associated Data Link Disruption Coordination and Reporting Procedures

2.9 The Meeting reviewed and updated the draft Asia/Pacific Regional Guidance Material for GNSS RFI and Associated Data Link Disruption Coordination and Reporting Procedures (Version 1.0) and subsequently adopted the following Conclusion:

***Conclusion ATM/SG/14-7: Adoption of APAC Regional Guidance Material for GNSS RFI and* Associated Data Link Disruption Coordination and Reporting Procedures**

in accordance with Decision ATM/SG/12-8, the Asia/Pacific Regional Guidance Material for GNSS Radio Frequency Interference (RFI) and Associated Data Link Disruption Coordination and Reporting Procedures (Version 1.0) provided in Appendix H to the Report be approved and published on the ICAO APAC Office eDocuments webpage.

2.10 The Report of Guidance material will be presented in separate working paper.

AAITF/20
Five-Alphanumeric Name-Code (5ANNC)

2.11 The Meeting discussed operational considerations relating to the use of 5ANNC, particularly regarding pronunciation in radiotelephony communications. Concerns were raised that alphanumeric identifiers could be more difficult to pronounce than conventional 5LNC. It was clarified that the proposed use of 5ANNC would be limited to non-critical waypoints and that simplified pronunciation methods could be applied where appropriate. The Meeting generally acknowledged the operational rationale for such use and further discussed consulting the ATM Sub-group or ATMOPS Panel regarding the proposal to utilize 5ANNC on predictable sequencing

procedures, taking into account compliance with, and possible amendments to, Annex 11 and Doc 8168.

2.12 The Meeting discussed the publication of conventions and rules for the application of 5ANNC in State AIPs. Clarification was sought regarding the appropriate AIP section for publishing such information in order to support harmonized implementation across the APAC region. It was noted that further review of the relevant ICAO provisions, including Doc 8168, would be undertaken within the IMP framework. The Meeting subsequently agreed to the Conclusion with additional remarks.

Conclusion AAITF/21-1: Utilization of 5ANNC

Noting the identified exhaustion of 5LNC and the consideration of 5ANNC within AAITF as a mitigation measure, and recognizing the provisions of Doc 8168 (PANS-OPS) on aircraft identification and addressing, States/Administrations are:

a. encouraged to consider the use of 5ANNC, either as a replacement for existing 5LNC or as a new allocation, in order to address the exhaustion of 5LNC; 2 AAITF/21 Report of the Meeting

b. ensure the convention and the rules of application of 5ANNC are standardized and documented within the State; and

c. invited to share their experience and best practices regarding the implementation of 5ANNC including any use of 5ANNC outside of instrument flight procedures.

GBAS/SBAS ITF/8

2.13 The Report of GBAS/SBAS ITF/8 meeting will be presented in separate working paper

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

a) note the information contained in this paper

b) discuss any relevant matters as appropriate.

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