



*International Civil Aviation Organization*

ICAO

**The Third Meeting of the South Asia, Indian Ocean and Southeast Asia ATM Coordination Group (SAIOSEACG/3)**

Bangkok, Thailand, 16 – 19 April 2024

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## **Agenda Item 4: Implementation of CNS-ATM Systems**

### **ASIA/PACIFIC SEAMLESS ANS PLAN UPDATE**

(Presented by the Secretariat)

#### **SUMMARY**

This paper presents progress of update of the of the Asia/Pacific Seamless ANS Plan for review by ATM/SG/12.

## **1. INTRODUCTION**

1.1 The update cycle of the Asia/Pacific Seamless ANS Plan was based on the intention that the Asia/Pacific Air Navigation Planning and Implementation Regional Group (APANPIRG) and its contributory bodies conduct a complete review every three years to align with the review cycle of the Global Air Navigation Plan (GANP). The last review of the Seamless Plan was conducted in 2019, in the same year as the last major update of the GANP.

1.2 Phase III of the *Performance Improvement Plan* of the Seamless Plan was expected to be implemented by 03 November 2022, and Phase IV by 25 November 2025.

1.3 The Asia/Pacific Air Navigation Plan Volume III is intended to incorporate regional planning objectives, priorities and targets, implementation monitoring and reporting, and other regional guidance material, under the management of APANPIRG.

1.4 The 11<sup>th</sup> Meeting of the Air Traffic Management Sub-Group of APANPIRG (ATM/SG/11,02 to 06 October 2023) was informed of Secretariat proposal for the update of the Asia/Pacific Seamless ANS Plan along with a working draft.

1.5 The outcomes of the ATM/SG/11 meeting were subsequently reported to the APANPIRG/34, held in Hong Kong, China, from 11 to 13 December 2023.

1.6 The following includes Seamless ANS Plan-related discussion outcomes from the APANPIRG/34 meeting, and a proposed update of the Seamless ANS Plan.

## **2. DISCUSSION**

### APANPIRG/34 Discussion

*Updating the Asia/Pacific Seamless ANS Plan (WP/16)*

2.1 APANPIRG/33 had agreed to the proposal for the Seamless ANS Plan to be updated during 2022/2023 and presented to APANPIRG Sub-Groups in 2023 before then being presented for the approval of APANPIRG/34. Subsequent updates of the Seamless ANS Plan would be conducted in the year immediately following the year of the ICAO Assembly.

2.2 Guiding principles adopted by the Secretariat for this work were:

- 1) refrain from introducing new regional elements, except where absolutely necessary;
- 2) focus on APAC Regional Prioritization of ASBUs; and
- 3) keep in mind the ICAO No Country Left Behind (NCLB) principle.

2.3 The process agreed by APANPIRG/33 for updating the Plan included the following:

- 1) Secretariat editorial review, and inclusion of new elements arising from APANPIRG/33;
- 2) circulation to Points of Contact for APAC States/Administrations for comment, feedback;
- 3) circulation to APANPIRG Sub-Groups;
- 4) (if necessary) workshop activity; and
- 5) presentation of final draft to APANPIRG/34 for adoption.

2.4 The proposed circulation to nominated Points of Contact could not be undertaken. However, the draft update of the Seamless ANS Plan had been presented to the following APANPIRG Sub-Group meetings:

- the Seventh Meeting of the AOP Sub-Group (AOP/SG/7, Bangkok, Thailand, 03 – 06 July 2023);
- the Twenty-Seventh Meeting of the Communications, Navigation and Surveillance Sub-Group (CNS SG/27, Bangkok, Thailand, 28 August to 01 September 2023;
- the Twenty-Seventh Meeting of the Meteorology Sub-Group (MET SG/27, Bangkok, Thailand, 04 to 08 September 2023; and
- the Eleventh Meeting of the ATM Sub-Group (ATM/SG/11, Singapore, 02 to 06 October 2023.

2.5 AOP/SG/7 and MET SG/27 had provided feedback, which had been incorporated in the draft Plan or was under consideration by the Secretariat. The CNS SG/27 meeting considered it impractical to provide comments on proposed modifications to CNS-related ASBUs to be added in Phase IV, or which of the new Block 2 ASBUs should be included in the new Phase V. As a way forward, CNS SG/27 elected to form a CNS-related ASBUs review Ad-hoc Group for next edition of Seamless ANS Plan, which would review the proposed

ASBUs, prepare a list of CNS-related ASBUs to include in the plan, share its interim report to APANPIRG/34, and seek consent from CNS SG/28 in 2024.

2.6 Overall, the current draft version of the Plan required further consultation both with APAC States/Administrations (through their nominated focal points) and APANPIRG Sub-Groups before it could be considered ready for APANPIRG endorsement. Asia/Pacific Administrations wishing to participate in the review of the Seamless ANS Plan have provided their POC details.

2.7 APANPIRG/33 had been informed that the migration of the Seamless ANS Plan and other regional plans and guidance material into ANP Volume III would be a major project requiring a significant restructure of the Seamless Plan, and had noted an ICAO proposal that its migration, together with other subsidiary regional plans and guidance material, be planned under a separate project to be developed under APANPIRG.

2.8 However, the need for further consultation now resulted in the final draft being expected to be available for endorsement by APANPIRG/35. Further, the Air Navigation Bureau (ANB) of ICAO was developing a globally standardized ANP Vol III template for use by all ICAO Regions, with the expectation that priority will be applied by the Regions to fully developing their ANP Vol III.

2.9 ICAO therefore intended that the update of the Seamless Plan and its migration into ANP Vol III be conducted simultaneously. States/Administrations and APANPIRG Sub-Groups would be consulted on both the update of the Seamless Plan and its migration into the ANP, before presentation to APANPIRG/35 for adoption. As part of this process, it was expected that regional guidance information currently included in the Seamless ANS Plan would be retained as a stand-alone guidance document, without the performance expectations after their migration into ANP Vol III.

2.10 The meeting is invited to provide feedback on the draft Seamless ANS Plan through the respective POCs by email to the Secretariat, or during consultation activities to be conducted in 2024. The proposed timelines of the process are as follows;

- Circulation of Draft Seamless ANS Plan V3.2.2 to POC for feedback from States – Mid April 2024;
- Deadline for Feedback from States (by email): 31<sup>st</sup> May 2024;
- Deadline for Reporting of APAC Seamless ANS Plan V3.0 implementation by States through APAC Seamless ANS Reporting Tool Portal : 30 June 2024;
- Update of Draft Seamless ANS Plan to include feedback from States and analysis of Seamless ANS Plan implementation in Current Status – June-July 2024;
- Updated Seamless Plan Draft will be presented to APANPIRG Sub-groups (AOP, MET, CNS and ATM Sub-groups) in July- September 2024; and
- Final draft of Seamless ANS Plan V4.0 to be submitted to APANPIRG/35 for endorsement.

Progress on APAC Seamless ANS Reporting Portal (WP/17)

2.11 ICAO APAC Regional Office had been coordinating with ICAO Headquarters to solicit necessary resources for the development of APAC Seamless ANS Reporting Portal. ICT HQ delivered a new version of reporting tool based on ICAO cloud services; a brief demonstration was successfully conducted during APANPIRG/33 in 2022. While waiting for the progress on the review status of the Asia/Pacific Seamless ANS Plan 4.0 to incorporate the new changes into the Portal, the Secretariat had taken active approach in setting up the Portal. The CNS SG/27 and ATM SG/11 reviewed the latest update on the development of the Portal respectively, furthermore, Hong Kong China provided experts to support ICAO APAC Regional Office on three-party review and conduct functionality tests with ICT HQ in different roles for all reporting items with reference to the Seamless ANS Plan V3.0 and testing dataset.

2.12 A live demonstration on how to use the portal as a State/Administration user and as the administrator was conducted during the APANPIRG/34 meeting. Noting that the main changes for Seamless ANS Plan V4.0 are the addition of items to V3.0, the ICAO APAC Seamless ANS Reporting Portal was proposed from the need of APAC Region, which was designed as a configurable tool, APAC should restart ANS implementation reporting with reference to the Regional Seamless ANS Reporting Form in early 2024, therefore, the Meeting adopted the following Conclusion:

***Conclusion APANPIRG/34/1 – APAC Regional Seamless ANS Reporting Form 3.0 and Cloud-based Seamless ANS Implementation Progress Reporting***

- a) That, the APAC Regional Seamless ANS Reporting Form 3.0 with reference to Seamless ANS Plan V3.0, contained in Appendix A to Agenda Item 3.0, be endorsed by APANPIRG.*
- b) That, States/Administrations be urged to report on their Seamless ANS implementation progress through the cloud-based reporting portal by not later than 30 June 2024, and then at least once a year by not later than 28 February each year.*

2.13 To facilitate States' ANS implementation reporting by using the new tool, a brief guideline on using the new Portal had been prepared and a workshop with demonstrations and interactive sessions will be held from 17-19 April 2024.

2.14 With the technical support by ICT HQ, the reported items of Seamless ANS Plan 3.0 would be retained and utilized once the Seamless ANS Plan 4.0 is approved.

### **3. ACTION BY THE MEETING**

- 3.1 The meeting is invited to:
- a) note the outcomes of discussion of APANPIRG/34 and ATM/SG/11.
  - b) review and provide feedback to the Secretariat on the proposed revision of the Seamless ANS Plan through their respective POCs;
  - c) provide status of Seamless ANS Plan implementation through the Seamless ANS Plan reporting tool through respective POCs;
  - d) Participate in any further review activities conducted prior to APANPIRG/35 and
  - e) discuss any relevant matters as appropriate.

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