



International Civil Aviation Organization

ICAO

**Eleventh Meeting of the Air Traffic Management Sub-Group
(ATM/SG/11) of APANPIRG**

Singapore, 2 – 6 October 2023

Agenda Item 5: ATM Systems (Modernization, Seamless ATM, CNS, ATFM)

The achievements and future workplan of the APAC FPP

(Presented by APAC Flight Procedure Programme Manager)

SUMMARY

This paper presents the achievements and Challenges of APAC FPP in Phase IV, and future workplan of APAC FPP in Phase 5(2024-2026).

1. INTRODUCTION

1.1 ICAO Asia-Pacific Flight Procedure Programme (APAC FPP) commenced operations in March 2010 in Beijing China. The FPP was funded by the active participating States/administrations and executed by means of an ICAO Trust Fund project provided by the Active Participating States, with in-kind and funding support from other States, donors, and partners.

1.2 The objective of the Programme is to assist States/Administrations to develop sustainable capability in the instrument flight procedure (IFP) domain to meet their commitments under Assembly Resolutions relating to PBN implementation and their obligations for the quality of their flight procedures. This was to be accomplished through training, assistance with quality assurance and procedure design process and access to IFP-related automation solutions. The FPP employed best practices in training, automation, and quality assurance with the best experts in the field to address the procedure design needs and enhance the capabilities of the States/Administrations.

1.3 In the division of responsibilities of ICAO to promote the PBN implementation in APAC region, FPP is mainly responsible for the professional training and technical consultation of PBN flight procedure design, COSCAP is focusing on the oversight and approval of PBN operation, and RSO is focusing on the promoting the Airspace optimization and monitoring the implementation of PBN.

1.4 FPP commenced its Phase I for a three-year period in January 2010 was extended through December 2017 in its Phase II, through December 2020 in Phase III and subsequently through December 2023 in Phase IV. In Phase IV, FPP has experienced unprecedented challenges under the impact of the COVID-19 pandemic. These challenges mainly come from two aspects: firstly, the online training effect is not good due to shorter training time, little practice, and lack of communication and supervision; Secondly, some mature flight procedure designers in APAC States quit their jobs due to financial difficulty, and newcomers lack the necessary internal experience sharing and on-job training, resulting in the polarization of FPP trainee, making it difficult to coordinate the training difficulty and learning progress of trainee at different levels.

1.5 To meet the needs of online teaching, FPP integrated initial PANS-OPS, PBN and refresher onsite training into Module 1,2,3 online training, which are more suitable for online teaching, to increase the practice time of trainee within the limited teaching time and increase the learning efficiency of online courses. FPP enhanced the user experience of online courses through broadband speed increase, conference equipment purchases and the use of e-learning, mural and pigeonhole software... Statistics show that the period of the FPP Phase III is basically consistent with the COVID-19 outbreak cycle, but with the strong support of APAC States/Administrations, FPP has trained a total of 732 trainees who from 27 States/Administrations totally in Phase IV, It's the highest in history. In addition, the number of Member States/ Administrations joining the FPP also reached 22 in Phase IV, reaching the highest level in history.

1.6 As of September 2023, FPP has conducted 3 trainings and 1 workshop, which included 231 participants from 24 States/Administrations in 2023. To meet the different needs of participants, most of them adopted a combination of on-site and online mode. In the RNP-AR workshop, FPP shared the applet of data check template developed by itself with the students to achieve cross-check, and shared the flight procedure design and operation experience of EoR through practical cases for the first time. To reduce the travel costs of the most training participants, with the support of CAA Philippines, FPP chose the closer and better environment of CAAP Civil Aviation Training Center as venue, which is the first time that FPP conducts long-term training outside the FPP Host State. In addition, the first GBAS/SBAS Procedure Design webinar will be held in early November, more experience from operational examples in Europe and APAC will be shared.

2. DISCUSSION

2.1 The extension of the Programme into Phase V which is from 1st January 2024 to 31st December 2026 was endorsed by the FPP Steering Committee during its fourteenth meeting in November 2022.

2.2 Based on the feedback from FPP's training participants and FPP's member states, the APAC FPP basic training in Phase V will officially return to the previous on-site training mode which include PANS-OPS initial training, PBN training course and refresher training course, but online learning channel will be maintained for participants who are unable to participate in the on-site training, for the purpose of adapting to the actual situation and the different needs of APAC States.

2.3 In order to deal with the large differences in the level of trainees caused by the loss of flight procedure designers during the COVID-19 pandemic, APAC FPP will create a short introductory online workshop in PBN flight procedure design in 2024 for new/potencial flight procedure designers and ATC. This workshop will be combined with PANS-OPS initial training , PBN training and refresher training to form a complete flight procedure design training framework of APAC FPP, while narrowing the differences between trainees and promoting the rapid growth of new /potencial flight procedure designers.

2.4 Except above 4 basic trainings which include PBN flight procedure design workshop for new or potencial flight procedure designers, PANS-OPS initial training , PBN training and refresher training, FPP will select a portion of the training needs with high votes from the wish list submitted by APAC in PBNICG 10 as its training work plan for 2024.

2.5 The meeting is invited to note that the upcoming 15th APAC FPP Steering Committee meeting is planned to be held in Beijing China from 6-8 November 2023. The phase V of APAC FPP will be launched in 1st Jan of 2024, and all current Member States/Administrations need to sign the Programme Document again for joining the APAC FPP in Phase V.

3. ACTION BY THE MEETING

- 3.1 The meeting is invited to:
- a) note the information contained in this paper; and
 - b) discuss any relevant matters as appropriate.

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