



International Civil Aviation Organization

**THE THIRD MEETING OF PERFORMANCE BASED NAVIGATION
IMPLEMENTATION COORDINATION GROUP (PBNICG/3)**

Bangkok, Thailand, 08 – 10 March 2016

Agenda Item 2: Global and Regional PBN Updates

APAC FLIGHT PROCEDURE PROGRAMME (FPP) STRATEGY FORWARD

(Presented by Secretariat)

SUMMARY

This paper presents the progress made by the APAC FPP during the past to assist States to develop sustainable capability in the instrument flight procedure domain so as to meet their commitments under Assembly Resolution A36-23 for performance-based navigation (PBN) implementation and their obligations for the quality of their instrument flight procedures (IFPs) which was reinforced in Assembly Resolution A37-11, and calls for support to its strategy forward into Phase 3.

1. INTRODUCTION

1.1 In its pursuit towards its vision of becoming the *Regional Center of Excellence* in the Area of Procedure Design, the ICAO Asia-Pacific Flight Procedure Programme (FPP) continues its activities and has achieved tangible results and outcomes serving the objective of its establishment. As it is approaching to the end of its phase 2 (2013-2017), deliberation on its strategy forward into its phase 3 (2018-2020) and necessary support from states are vital for its continuing success.

2. DISCUSSION

Activities and Achievements by the ICAO APAC FPP

2.1 Since its establishment in 2009 and with its vision of becoming the Regional Center of Excellence in the Area of Procedure Design, the FPP provides training and procedure design assistances to its Member States in the Asia-Pacific region.

2.2 In 2015, Assistance in flight procedure design and PBN-related procedure design was provided to Mongolia and Sri Lanka. In cooperation with partner organizations, five training courses were delivered in China to 117 participants from 20 States and administrations, covering ICAO Procedures for Air Navigation Services - Aircraft Operations (PANS-OPS) Initial Course for Procedure Designers, the PBN Procedure Design Course, Procedure Design Refresher Course with a Special Focus on Vertical Guided Approach, and a Required Navigation Performance Authorization

Required (RNP AR) Procedure Design Course/Seminar. Four procedure designers from China were sent to *École Nationale de l'Aviation Civile* (ENAC), France, to attend a PBN instructor training course. Three of them were evaluated as qualified instructors and newly included in FPP's pool of instructors, thus further enhancing the capacity of FPP to serve the region. The FPP's flight procedure design software license was renewed and the software was updated with new features. Two instructors from FPP attended the software training conducted at the ENAC facility and at the FPP office in Beijing. The 7th APAC FPP Steering Committee meeting, held in Macau in November 2015, endorsed the continuation of the Programme into Phase 3.

2.3 The PBN and Flight Procedures activities provided successfully to the member states of FPP can be categorized into four (4) areas, namely: Training and Implementation Support, Consultation and Quality Assurance Services, Procedure Design Support and Participation in Relevant International Forum. The Procedure Design Training provided by FPP includes ICAO *PANS-OPS Procedures Design Course*, *PBN Procedure Design Course*, *RNP AR Training*, *Flight Validation for Pilots Training* and *Flight Procedure Design Refresher Course Training*. The IFP *Quality Assurance training*, *Helicopter PinS Procedure Design training* will also be provided by FPP in 2016 or 2017. In addition to training activities, the FPP continues to support States/Administrations during their procedure design and validation process. This support is provided in terms of consultations and regular communications between State procedure designers and FPP instructors with assistances from officers from ICAO APAC RSO who provide advices on airspace design and ATC operational issues.

2.4 Since its establishment of in 2009 to November 2015, the APAC FPP has presented training courses and implementation workshops that have covered 27 States and Administrations in the region. This significant output includes 60 Courses and Workshops of varying durations, involving 1466 Participants, 563 Training/Class days (excluding week-ends and public holidays), which adds up to 10595 days by per capita. The achievements of APAC FPP provide sound experiences to the establishment of similar FPPs in Africa and Middle East Region.

2.5 Currently, the member States of APAC FPP are as follows:

Activating Participating States(10)

- | | |
|------------------------------|------------------------|
| i. Australia | vi. Philippines |
| ii. China | vii. Republic of Korea |
| iii. Hong Kong, China | viii. Singapore |
| iv. Macao, China | ix. Sri Lanka |
| v. France (French Polynesia) | x. Thailand |

User Participating States (8)

- | | |
|---------------|---------------|
| i. DPR Korea | v. Pakistan |
| ii. Fiji | vi. Tonga |
| iii. Mongolia | vii. Vietnam |
| iv. Myanmar | viii. Lao PDR |

Initial Discussion on Continuation of FPP beyond 2017

2.6 There was strong support from the region at the 52nd DGCA Conference to extend the FPP into Phase 3 to assist PBN implementation. The 7th APAC FPP Steering Committee meeting, held in Macau in November 2015, discussed the continuation of FPP into its Phase 3(2018-2020). The Active Participating States of FPP express the strong support to extend Asia-Pacific FPP at the end of Phase 2 for another three-year term under Phase 3. The final decision on this extension of the FPP will be made at 8th APAC FPP Steering Committee meeting, which will be held in November 2016 or

before 10 December 2016. If approved, Phase 3 shall begin on 1 January 2018 and end on 31 December 2020.

2.7 The 7th APAC FPP Steering Committee meeting discussed the Strategy Forward for FPP Phase 3 which includes three important areas: Enhance Internal Process, Expand Value Creation and Increase Public Visibility. The Steering Committee meeting, during its discussion on the Strategy Forward for FPP in Phase 3, also discussed the scope of activities of FPP in Phase 3. The agreed scope of activities for FPP will be incorporated into FPP Pro Doc phase 3.

2.8 During Phase 1 and Phase 2, the FPP budget was met by the contributions of the Active Participating States. The User Participating States do not provide regular annual contributions and are not Members of the Steering Committee. This mechanism has been successful due to the generosity and also due to the high level of commitment of FPP of the Active Participating States to pay their annual contribution. It is noted that the “*No Country Left Behind (NCLB)*” initiative highlights ICAO’s efforts to assist States in implementing ICAO’s Standards and Recommended Practices (SARPs). The main goal of this initiative is to help ensure that implementation of SARPs is better harmonized globally so that all States have access to the significant socio-economic benefits of safe and reliable air transport. The FPP, through its strategic goals, and leveraging on the goodwill and contribution by Active Participating States, is well positioned to promote this ICAO initiative by bridging the gaps between states capabilities and industry needs.

2.9 The needs from States in the region on PBN implementation assistance include many aspects which may contain implementation coordination as provided by PBNICG, training and assistance as provided by the FPP and COSCAP. SCM agreed that FPP will ensure flight procedure design related training and assistance will be its actual scope of activities. The PBN ICG meeting is expected to discuss if there is assistance need in States, especially with regard to PBN related training/implementation assistance that are not dealt with by the existing bodies. If there are such needs, the FPP SCM would consider expanding its scope of activities and include it in the FPP work plan in coordination with ICAO ANB and APAC RO at SCM/8 in 2016.

2.10 As the success of the FPP can only be ensured by continuing participations by its Member States/Administrations, it is recommended that the non-participating States in the Asia-Pacific region actively join the FPP and support its expansion its phase 3 (2018-2020). Any ICAO Contracting State in the ICAO Asia and Pacific region is eligible to join APAC FPP by signing on to the latest version of the APAC FPP Programme Document (Signed by Secretary General of ICAO and DG of CAA) and submitting that document through the ICAO Regional Office.

3. ACTION REQUIRED BY THE MEETING

3.1 The meeting is invited to:

- a) note the activities and achievement of APAC FPP contained in this papers; and
- b) endorse the continuation of FPP into its Phase 3(2018-2020) and its Strategy Forward; and
- c) recommend that the non-participating States in the Asia-Pacific region actively join the FPP.
