



International Civil Aviation Organization

The Ninth Meeting of the ICAO Asia/Pacific Performance-Based Navigation Task Force (PBN/9)

Bangkok, Thailand, 27-30 March 2012

Agenda Item 5: State/Industry Updates

ASIA-PACIFIC FLIGHT PROCEDURE PROGRAMME IN 2011-2012

(Presented by ICAO APAC FPP)

SUMMARY

This paper presents the activities and trainings conducted by the ICAO Asia-Pacific Flight Procedure Programme (FPP) in 2011 and early 2012. The paper also outlines the FPP Work Programme for 2012 and notes that the FPP Steering Committee has approved the extension of the FPP into Phase 2 starting 2013 to 2017.

This paper relates to –

Strategic Objectives:

- A: *Safety – Enhance global civil aviation safety*
- C: *Environmental Protection and Sustainable Development of Air Transport – Foster harmonized and economically viable development of international civil aviation that does not unduly harm the environment*

Global Plan Initiatives:

- GPI-5 RNAV and RNP (Performance-based navigation)
- GPI-10 Terminal area design and management
- GPI-11 RNP and RNAV SIDs and STARs
- GPI-21 Navigation systems

1. INTRODUCTION

1.1 ICAO Asia-Pacific Flight Procedure Programme (FPP) was established in October 2009. Recognizing the need for a regional center of excellence in the field of flight procedure design and to support ICAO Assembly Resolution A36-23 on Performance Based Navigation (PBN) implementation, ICAO Asia-Pacific PBN Task Force recommended ICAO APANPIRG to establish the FPP. In September 2009, APANPIRG during its twentieth meeting endorsed the concept. With supports from the Civil Aviation Administration of China (CAAC), the FPP office was established and located in Beijing, China hosted by the China Academy of Civil Aviation Science and Technology (CAST).

1.2 The FPP aims to foster implementation of flight procedures, developed with the appropriate quality systems, especially PBN and vertically guided instrument approach procedures by:

- a) Assisting those States with sufficient density of procedures to establish a sustainable internal procedure design capability capable of meeting the requirements of PANS OPS and their responsibility for the quality of their procedures;

b) Providing the appropriate level of technical expertise necessary to enable States that do not have the density of procedures necessary to sustain an internal procedure design capability; and

c) Providing a vehicle to improve quality in the States' procedure design process through access to procedure design automation solutions and associated data storage.

2. DISCUSSION

2.1 By the end of 2011, 23 Asia-Pacific States have become Member States of the FPP; 11 of which as Active Participating States and 12 as User Participating States. From 2011 to March 2012, the FPP had conducted 19 training courses with more than 700 training participants from 24 States.

2.2 The courses conducted by the FPP include PANs-OPs Procedure Design Initial, PBN Procedure Design, PBN Procedure Design OJT, RNP AR Procedure Design and PBN Airspace Design Instructor Workshop. Additionally, in cooperation with ICAO COSCAPs and IATA, the FPP had also successfully conducted PBN Implementation Workshops, PBN Airspace Design Concept Workshops and PBN Operational Approval Trainings to assist FPP Member States in PBN implementation.

2.3 Noting that Phase 1 of the FPP will conclude at the end of 2012, the FPP Steering Committee has approved the extension of the FPP into Phase 2 starting 2013 to 2017.

2.4 The 3rd Steering Committee Meeting (SCM) of the Asia-Pacific Flight Procedure Programme (FPP) was held in Bangkok, Thailand, on 8 and 9 February 2012, graciously hosted by the ICAO Asia Pacific Regional Office. A total of 37 participants attended the meeting, including Representatives from Active and User Participating States, ICAO, Federal Aviation Administration (FAA) of the United States and the International Air Transport Association (IATA). The meeting noted the progress of FPP work in 2011 and approved the FPP Work Programme and budget for 2012. The SCM also approved the FPP to conduct additional training courses including PBN Follow-up Visits and PBN Flight Validation – Pilot Course.

2.5 As of March 2012, the schedule for FPP trainings and activities is as following:

| DATE | MEETING / SEMINAR / WORKSHOP | VENUE | Participation | STATUS |
|-----------------|--|-------------------|--|-----------|
| January | | | | |
| 9 – 12 Jan | COSCAP/FPP PBN Implementation Workshop | Karachi, Pakistan | Pakistan | Completed |
| 16 - 20 Jan | COSCAP/FPP PBN Ops Approval Course | Karachi, Pakistan | Pakistan | Completed |
| February | | | | |
| 8 - 9 Feb | APAC FPP Steering Committee Meeting 3 | Bangkok, Thailand | FPP States | Completed |
| 6 Feb - 2 Mar | Pans-Ops PD Initial Course | Beijing, China | FPP States | Completed |
| March | | | | |
| | | | | |
| April | | | | |
| 16-27 Apr | PD OJT | Beijing, China | Bangladesh | Confirmed |
| 16-19 Apr | COSCAP/FPP PBN Implementation Workshop | Male, Maldives | Maldives | Confirmed |
| 22-26 Apr | COSCAP/FPP PBN Ops Approval Course | Male, Maldives | ICAO Member States. Priority for South Asia. | Confirmed |
| May | | | | |
| 8-24 May | PBN PD Course | Beijing, China | FPP States | Confirmed |

| June | | | | |
|------------------|--|-----------------------|--|-----------|
| 4-15 Jun | PD OJT | Beijing, China | Laos PDR | Confirmed |
| 5-7 Jun | COSCAP/FPP PBN Implementation Workshop | TBD, Cambodia | Cambodia | Tentative |
| 11-15 Jun | COSCAP/FPP PBN Ops Approval Course | Ulaanbaatar, Mongolia | ICAO Member States. Priority for North Asia. | Confirmed |
| 18 Jun-6 Jul | Flight Validation Pilot Course | TBD | FPP States | Tentative |
| July | | | | |
| 2-27 Jul | Pans-Ops PD Initial Course | Beijing, China | FPP States | Confirmed |
| August | | | | |
| 14-17 Aug | FPP/IATA Airspace Workshop | TBD, Bangladesh | Bangladesh | Tentative |
| September | | | | |
| TBD | APAC FPP Steering Committee Meeting 4 | TBD | FPP States | Tentative |
| October | | | | |
| 9-25 Oct | PBN PD Course | Beijing, China | FPP States | Confirmed |
| 15-17 Oct | Global PBN Symposium | Montreal, Canada | ICAO States | Tentative |
| November | | | | |
| 5-23 Nov | PD Instructor Course | Beijing, China | FPP States | Tentative |
| December | | | | |
| 17-20 Dec | RNP AR PD Course | Beijing, China | FPP States | Tentative |

2.6 The latest information of the FPP Work Programme for 2012 and schedule for FPP trainings and activities are available at www.fpp-icao.org.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note the FPP Work Programme for 2012; and
- b) encourage States to participate in upcoming FPP trainings and activities; and
- c) note that the FPP SCM has approved the extension of the FPP into Phase 2 starting 2013 to 2017; and
- d) encourage States who have not become one to become members of the FPP.

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