

**55<sup>TH</sup> CONFERENCE OF  
DIRECTORS GENERAL OF CIVIL AVIATION  
ASIA AND PACIFIC REGIONS**

*Denarau Island, Nadi, Fiji  
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AGENDA ITEM 4: AIR NAVIGATION

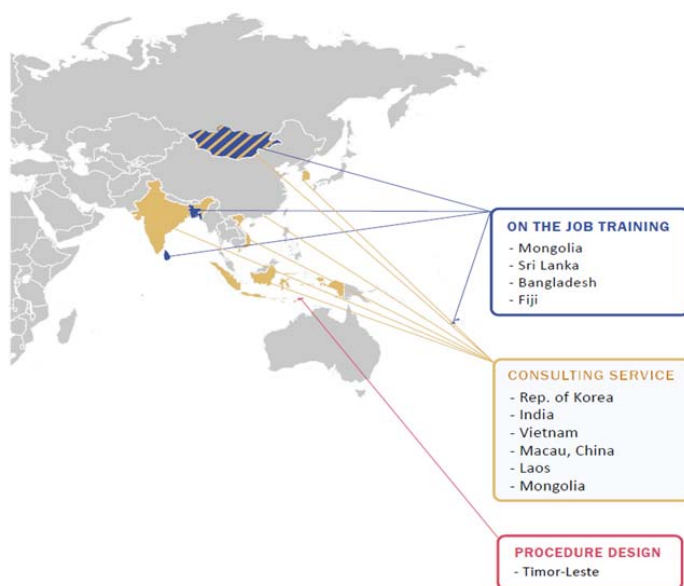
**FLIGHT PROCEDURE SERVICES IN ICAO APAC FPP AND  
EXTENTION OF ICAO APAC FPP INTO PHASE III (2018-2020)**

Presented by the People's Republic of China

**SUMMARY**

ICAO APAC FPP has contributed a lot in supporting PBN implementation in APAC region since 2009 when it was originally established in Beijing. Now, the FPP is in its Phase III (2018-2020) and continuing providing its best service in Flight Procedure Design domain. This DP reviews the development of FPP with its achievements, as well as the transition and continuation of FPP program in its Phase III with aims to generate more benefits for member states of ICAO APAC region.





### 1.3 Contributions made by host state In Phase I and Phase II

- 1.3.1 During Phase I (2009 to 2012), Civil Aviation Administration of China (CAAC) on behalf of the hosting State, designated China Academy of Civil Aviation Science and Technology (CAST) to provide the office facility, elite instructors as well as administrative budgets to FPP in fulfilling its goal to develop States' capabilities in the instrument flight procedure domain, especially in the areas of procedure design and regulatory oversight of the procedure design service provider.
- 1.3.2 After entering FPP Phase 2 (from 2013 to 2017), FPP was co-located in the compound of newly established ICAO APAC RSO (Sub-regional Office), Beijing, China, which approved by ICAO Assembly and established on June 27, 2013. The new office is with the total office area of 900 square meters, all facilities supplied and annual budget are donated by Civil Aviation Administration of China. During this phase, FPP shared the brand new office, meeting rooms, advanced facilities with ICAO RSO and got better logistic service. It also got the opportunity to work together with the PBN and ASM experts of ICAO RSO and get relevant support when delivering PBN procedure design courses.
- 1.3.3 Civil Aviation Administration of China (CAAC) provided the services in accordance with the Management Service Agreement between the Civil Aviation Administration of China (CAAC) and the International Civil Aviation Organization in Recruitment and assignment of programme personnel to assist in achieving the planned immediate objectives through the production of relevant outputs, by carrying out activities generally described in the attached programme document, in Technical backstopping of the programme expert, including technical briefing and debriefing, in Technical Review of programme outputs and review/finalization/distribution of programme reports as well as in the programme progress monitoring.
- 1.3.4 Regarding human resource, as the hosting states, China provided 3 experienced full-time procedure designers/instructors, 1 information technology specialist as well as 1 administrative assistant from 2010 to 2017. Besides the in-house flight procedure instructor/designer, CAAC also positively nominated the guest instructor to FPP, by the end of 2017, there were 7 of 9 guest instructor in the FPP Instructors Pool were inputted by CAAC. These guest instructors committed to provide up to 4 weeks free training or consulting service on flight procedure design, their various and valuable experiences helped a lot in improving

the quality of FPP service. After the inauguration of ICAO RSO, an arrangement was made by ICAO and agreed by all parts concerned, that is the deputy chief of ICAO APAC RSO is also take the position of FPP Manager. According to the MOU between ICAO and CAAC, Deputy Chief of ICAO RSO is seconded by CAAC. From 2013 to 2018, CAAC sleeted its best CAA personnel and seconded 2 deputy chief to ICAO APAC RSO with one of the important functionality of managing FPP. Their contributions to FPP are widely recognized by FPP Members.

- 1.3.5 Regarding office facility and equipped classroom, suitable office(s) with office furniture as well as suitably equipped classroom(s) for FPP training courses held in China as on agreed by CAAC. Besides that, China also provides necessary automation equipment and access equipment such as printers and charting software.
- 1.3.6 Regarding management framework, FPP kept fully consistent with ICAO culture, practices and ethics, strictly followed ICAO' ANB and TCB's instructions through ICAO APAC RSO. It has FPP Institutional Framework and Procedures Manual (IFAPM) as well as the FPP Operational Manual endorsed by FPP Standing Committee which hosts annual meeting to guide FPP's operation and protects the benefits of members. As required by D/ANB, APAC FPP provided information on the successful framework and lesson learned from the establishment and operations of the APAC Flight Procedure Programme (APAC FPP) to assist the establishment of the Africa FPP.

#### **1.4 Transition from FPP Phase II to Phase III**

- 1.4.1 Recognizing that there was a strong need in the APAC region for the services of the FPP and continued support from the Active Participating States, the 8<sup>th</sup> Meeting of FPP Steering Committee (SCM/8) endorsed the extension of the FPP into Phase 3, which should begin on 1 January 2018 and end on 31 December 2020. SCM/8 further encourage ICAO, Active Participating States and User States to sign the Programme Document for Phase 3 by the end of 2017.
- 1.4.2 Up to now, **10 States/Administrations** have signed as Active Participating Member, namely **Australia, China, Hong Kong(China), Macao (China), France, Philippines, Republic of Korea, Singapore, Sri Lanka and Thailand**. **7 States** have signed as User Participating Member, namely **Cambodia, Laos, Mongolia, Myanmar, Malaysia, Pakistan and Vietnam**. FPP and ICAO have been taking the advantage of PBN related international meetings, workshops and training course to advertise FPP Phase III and invite States interested to join the Programme.
- 1.4.3 According to the Programme Document of FPP Phase III, Civil Aviation Administration of China (CAAC) commits to second 4 full-time staff to FPP, including 2 experienced procedure designers (at least one with instructor experience), 1 information technology specialist and 1 administrative assistant. 3 of 4 previous secondees from CAAC remained on board and were released by CAAC from the beginning of Phase III. The 4th seconded, was required by ICAO to go through ICAO's Policy on secondment, which approved by the ICAO Council and published in June 2016. The Policy required opening secondment opportunity to all Member States, announcing the position of secondment and going through a competitive process. As there was no other country nominated seconded for this position, China, the host , according to the Programme Document nominated a qualified flight procedure instructor to FPP. ICAO organized the interview in the second week of August.
- 1.4.4 In order to maintain the high-quality training and deliver new courses in Phase 3, FPP SCM/8 encouraged member states to actively nominate high-qualified instructors to be included in the FPP Instructors Pool. The process of nomination and endorsement of the instructors for the FPP Instructors Pool was endorsed by SCM8 in Singapore. CAAC selected one of its best Procedure Design Designer/Instructor and nominated her as FPP instructor in Phase III. After

pass the interview conducted by ICAO interview panel and endorsed by SCM/9, CAAC released her as guest instructor of FPP. This PD instructor is the eighth guest instructor provided by CAAC.

- 1.4.5 Entrusted by FPP Steering Committee Members, Capt. Li Jian, the Chairman of FPP Steering Committee, continuously played an active role on the Steering Committee and brought value to the success of the FPP through monitoring the functioning of the Programme, moderating Steering Committee meetings, allocating resources on behalf of FPP SC supporting the operations of the FPP office. With the enhancement of support and commitments during the FPP Phase III, Capt. Li Jian, designated Capt. Zhu Tao, Deputy Director General of Flight Standard Department of CAAC, to be the Executive Chairman of the Steering Committee in his absence.
- 1.4.6 In Phase III, the FPP is still collocated with ICAO APAC Regional Sub-Office which is also hosted by CAAC, sharing the office facility and associated recourses. For the Phase III in the future, CAAC reiterates its commitments to support FPP just as what China has contributed in previous phases. PBN implementation has one of the highest priority in APAC region, CAAC would continue its commitments on PBN implementation through hosting the three main bodies of PBN implementation, namely ICAO APAC RSO, ICAO APAC FPP and COSCAP-NA, and supporting associated activities.

## **2. DISCUSSION**

- 2.1 ICAO APAC FPP has been successfully extended into its Phase III and is going to approach its target by enhancing internal process, expanding value creation and increasing public visibility. Comparing to its Phase 2, the FPP is going to provide more advanced courses to accommodate the requirements of states, including Helicopter Point in Space, RNP AR Procedure Design, RNP/RNAV to xLS Procedure Design and other new procedure training to follow up ICAO amendments. The FPP would also deliver new training on regulatory oversight of the procedure design service provision including the approval process for the flight instrument procedures to facilitate the Flight Procedure Approval. Besides training, the FPP would give more emphasis on the PBN implementation support in terms of procedure design. CAAC is now working together with ICAO and other FPP members on promoting FPP service and activities.
- 2.2 Many states include China has made great effort and contribution on supporting FPP over a decade. We have the same target, that is to facilitate PBN implementation in this region thus improve the performance of the whole air navigation. Without the support and engagement of States in APAC region, the FPP can not make the target. China hopes more states can positively join this programme and make joint effort with current FPP member. China also note the importance of coexistence and collaboration among the RSO, FPP and COSCAP-NA, which cover the various phases and aspects of PBN implementation and hope more joint activities conducted by the three main bodies.

**3. ACTION BY THE CONFERENCE**

3.1 The Conference is invited to:

- a) note the achievements made by FPP in the past 8 years, which owe to the joint efforts of host state, member states and the states/organizations which support FPP continually.
- b) note the successful transition from FPP Phase II to Phase III, the contributions and commitments made by China, the host state.
- c) recognize the values of FPP service, encourage more states to join FPP, accept FPP's service and make contribution to this programme.

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