REPORT ON PROGRESS AND ACCOMPLISHMENTS OF THE ICAO APAC FLIGHT PROCEDURE PROGRAMME (FPP) IN 2012

ICAO Asia-Pacific FPP

Beijing, China

Joe@Beijing 2010

Content

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- **FPP Asia-Pacific 2012 Accomplishments**
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FPP History

- Established in October 2009.

- To support ICAO Assembly Resolution A36-23 and then A37-11 on PBN implementation, ICAO Asia-Pacific PBN Task Force recommended ICAO APANPIRG to establish the FPP.

- In September 2009, APANPIRG/20 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).

Office, Classroom

FPP Member States/Administrations

Active Participating States (11)

- **China**
- **Hong Kong, China**
- **Macao, China**
- **Democratic People's Republic of Korea**
- **French Polynesia (France)**
- **Mongolia**
- **Philippines**
- **Republic of Korea**
- **Singapore**
- **Thailand**
- **Australia**

User Participating States (12)

- Bangladesh
- Cambodia
- Malaysia
- Maldives
- Myanmar
- Nepal

- Pakistan
- Sri Lanka
- Timor-Leste
- Afghanistan
- Laos
- Vietnam

1) Training

Asia-Pacific
FPP Office

3) Procedure
Design
Support

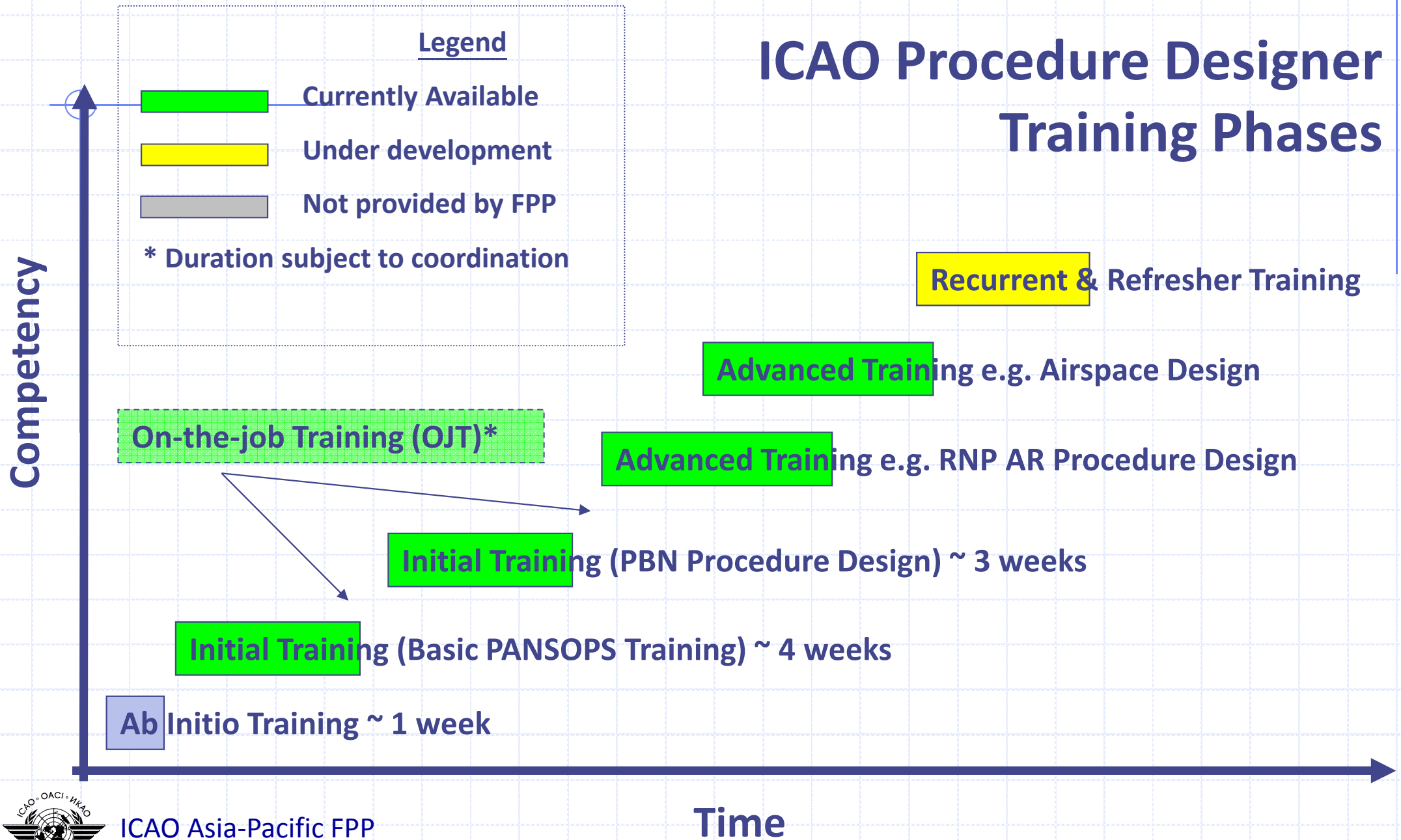2) Quality
Assurance

4) Participations in
Int'l Forum

Asia-Pacific FPP 2012 Accomplishments

ICAO Procedure Designer Training Phases

Competency (vertical axis)

Time (horizontal axis)

Legend

- 🟩 Currently Available
- 🟨 Under development
- ⬜ Not provided by FPP

* Duration subject to coordination

Recurrent & Refresher Training

Advanced Training e.g. Airspace Design

On-the-job Training (OJT)*

Advanced Training e.g. RNP AR Procedure Design

Initial Training (PBN Procedure Design) ~ 3 weeks

Initial Training (Basic PANSOPS Training) ~ 4 weeks

Ab Initio Training ~ 1 week

ICAO Asia-Pacific FPP

Training Courses for States in 2012

| Date	Trainings	Location	Participants
16-20 Jan	COSCAP/FPP PBN Implementation Workshop	Karachi, Pakistan	55
6 Feb – 2 Mar	PANS-OPS Initial Course	Beijing , China	24
16-27 Apr	Procedure Design OJT for Bangladesh	Beijing, China	3
16-19 Apr	COSCAP/FPP PBN Implementation Workshop	Male', Maldives	32
8-24 May	PBN Procedure Design Course	Beijing, China	17
4-25 Jun	Procedure Design OJT for Laos	Beijing, China	2
5-7 Jun	COSCAP/FPP PBN Implementation Workshop	Phnom Penh, Cambodia	60
18 Jun – 6 Jul	**Flight Validation for Pilot Course**	**Manila, Philippines**	**12**
2-27 Jul	PANS-OPS Initial Course	Beijing, China	22
13-16 Aug	FPP/IATA PBN Airspace Design Workshop	Manila, Philippines	38
11-13 Sep	COSCAP/FPP PBN Implementation Workshop	Kuala Lumpur	53
9-26 Oct	PBN Procedure Design Course	Beijing, China	17
26-30 Nov	FPP/IATA PBN Airspace Design Workshop	Yangon, Myanmar	30
4-7 Dec	FPP/IATA PBN Airspace Design Workshop	Delhi, India	32

New

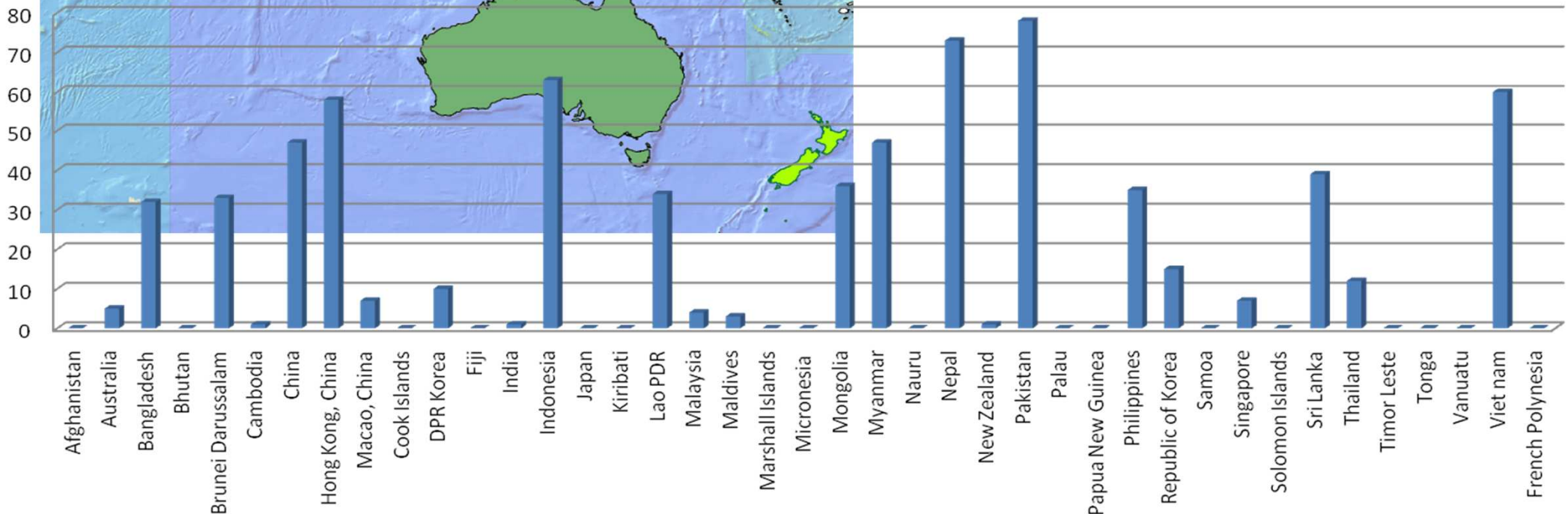# Training Courses for States in 2011-2012

In 2012
Over **14** courses
for more than **400** participants
from **25** States*
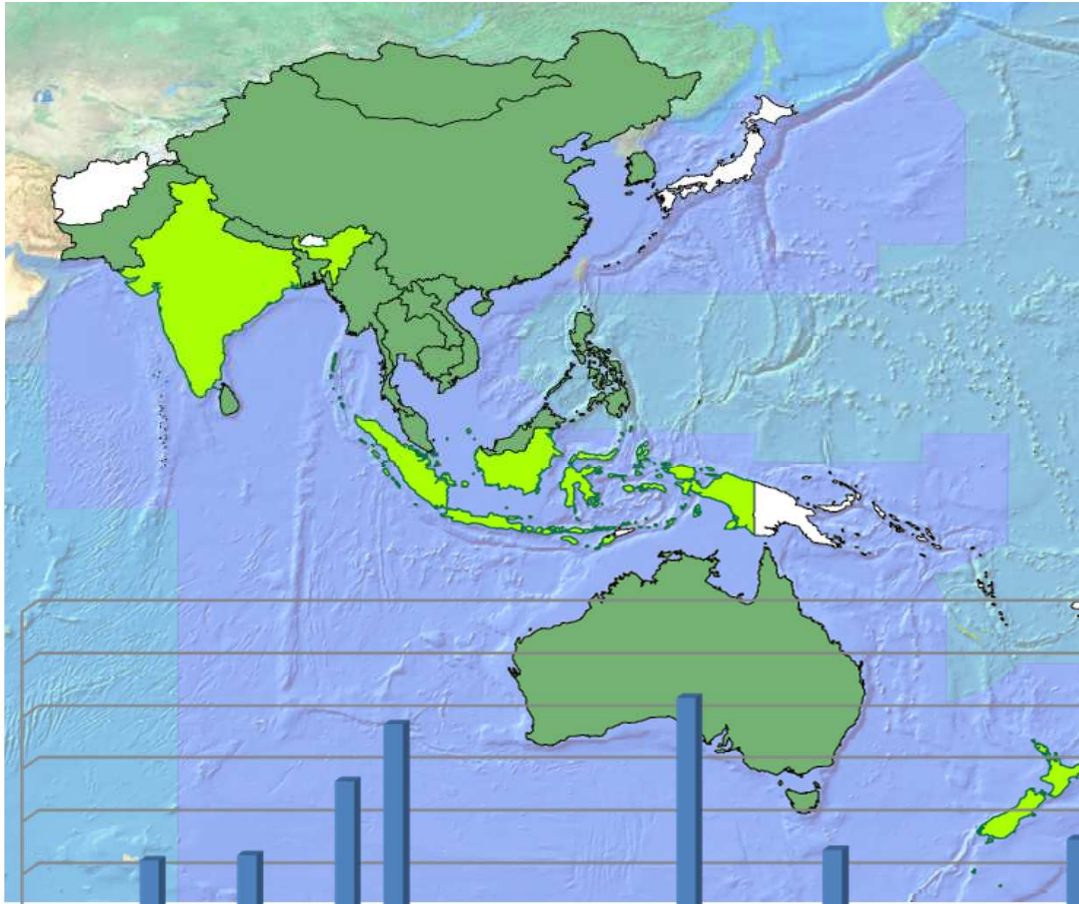
Legend
- ☐ No participation
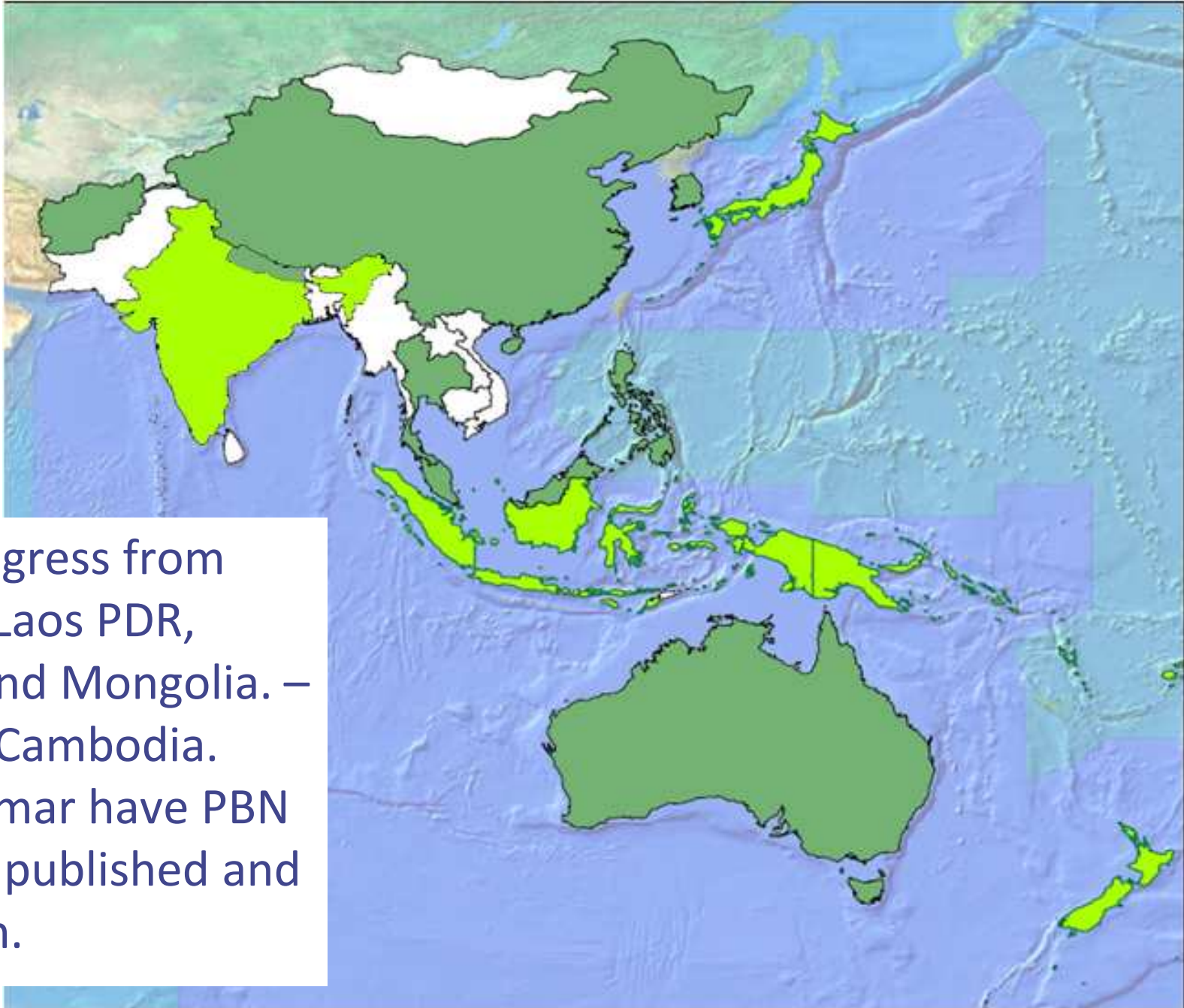- ☐ Non-member participation
- ☐ Member participation

Overall Training Participants

* 21 Member States and 4 Non-member States, namely Brunei, India, Indonesia, and New Zealand

Asia-Pacific States with PBN Approach in early 2012

Positive progress from Cambodia, Laos PDR, Myanmar and Mongolia. – in 2014, all Cambodia. Laos, Myanmar have PBN procedures published and in operation.

Consultation and Quality Assurances Services

- Design of PBN SID for Manila

- CRM Calculation and Modeling for a new ILS installation in Sri Lanka

- Design of SID/STAR and RNP APCH procedures for Myanmar

- Design of flight procedures in Thailand.

Procedure Design Support

On-going support for Timor-Leste

- Presidente Nicolau Lobato Dili Airport, Dili
- Airport WGS-84 survey completed
- RNP APCH and RNP-1 SID/STAR procedures Design Completed
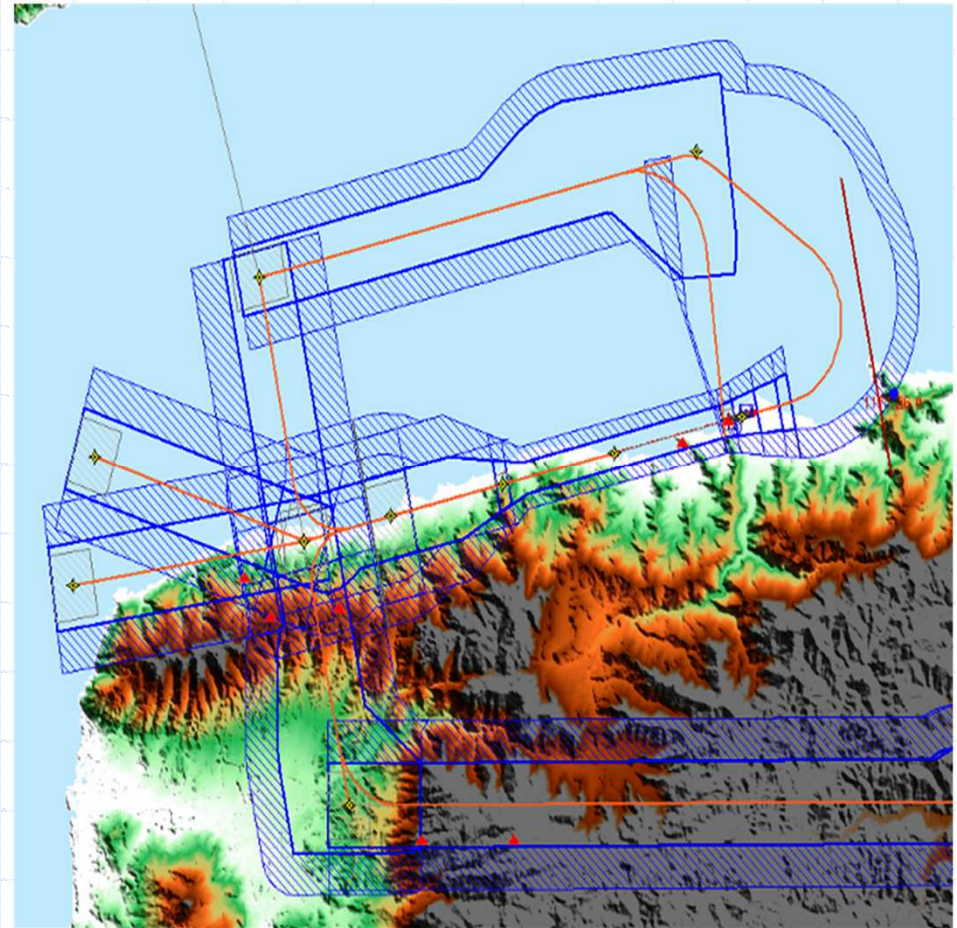
Participations in Relevant International Forum in 2012

- ICAO/IATA Go-Team Visit in New Delhi, India

- Green Aviation Conference in Seoul, Republic of Korea

- China PBN Conference in Beijing, China

- APEC Transportation Working Group and APEC GNSS Implementation Team meetings in St. Petersburg, Russia

1) Governance and Oversight

Asia-Pacific FPP Office

3) Information Technology

2) Capacity Enhancement

4) Partnership

Asia-Pacific FPP Organization Developments

Governance and Managerial Oversight

- **FPP Steering Committee**
  - The Third SCM was held in Bangkok, Thailand in February 2012, hosted by the ICAO Asia-Pacific Regional Office.
  - The Fourth SCM is tentatively scheduled for Feb 2013.
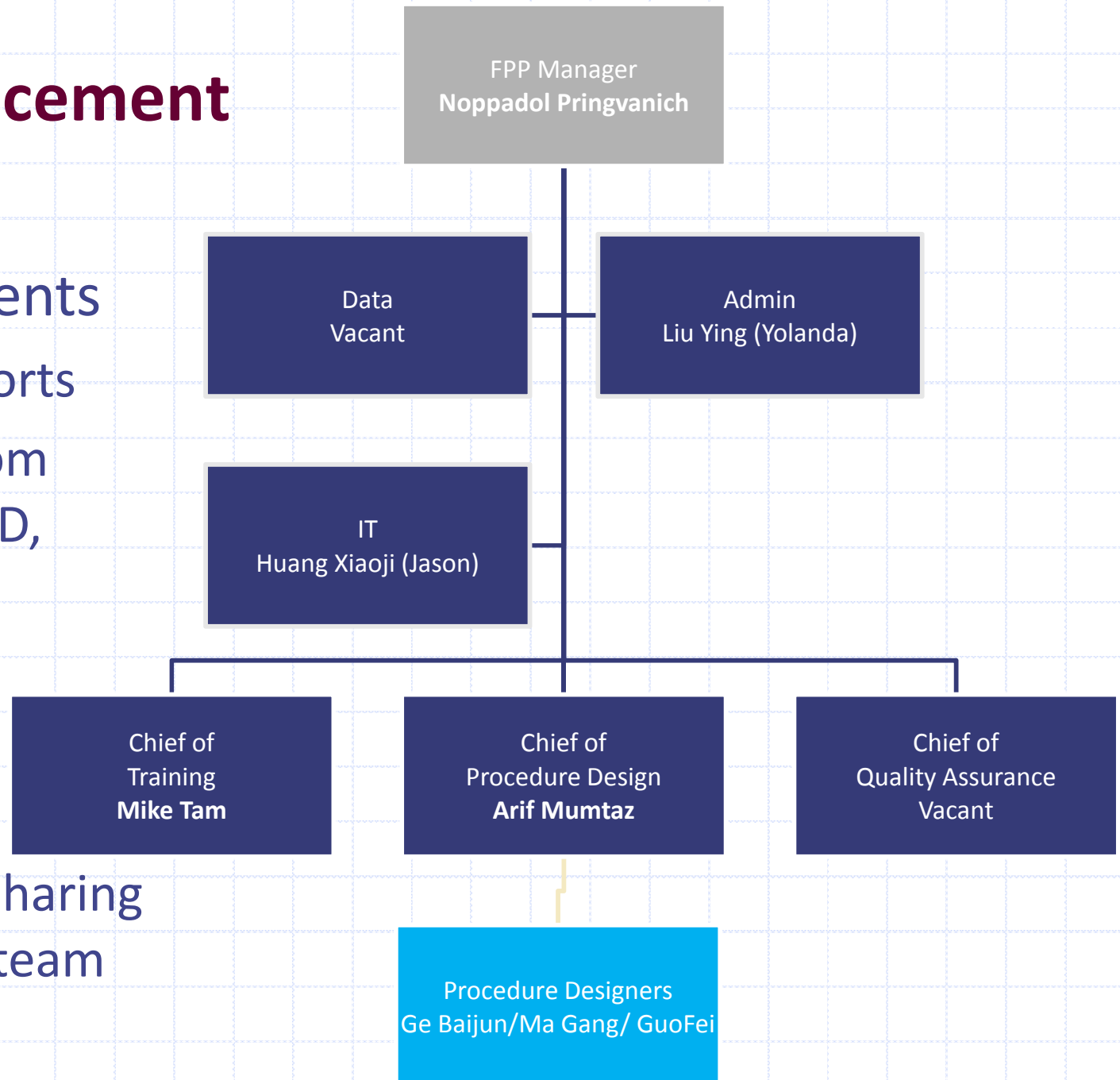

- **Oversight and Consultations from ICAO**
  - Managerial and technical matters
    - ICAO Air Navigation Bureau and ICAO Asia-Pacific Regional Office
  - Administrative and financial matters
    - ICAO Technical Co-operation Bureau.

Capacity Enhancement
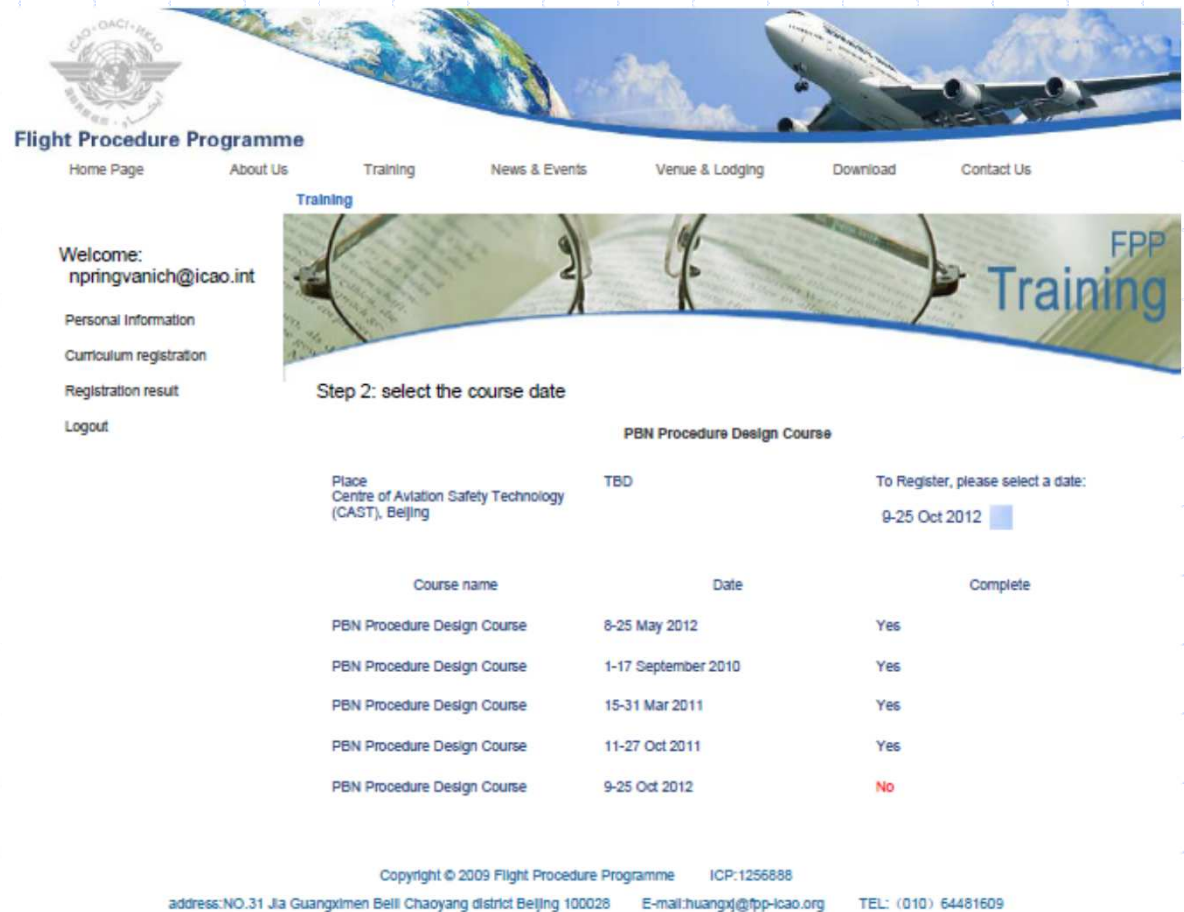
Successful Recruitments

- Kind personnel supports and secondments from CAAC, Hong Kong CAD, CAA Pakistan, and AEROTHAI.

- Internal knowledge-sharing sessions among FPP team members

FPP Manager
Noppadol Pringvanich

Data
Vacant

Admin
Liu Ying (Yolanda)

IT
Huang Xiaoji (Jason)

Chief of
Training
Mike Tam

Chief of
Procedure Design
Arif Mumtaz

Chief of
Quality Assurance
Vacant

Procedure Designers
Ge Baijun/Ma Gang/ GuoFei

Deployments of Information Technology

- ## www.icao-fpp.org

- ## Web-based student registration and database

International and Regional Partnerships

- ICAO COSCAPs
  - PBN Implementation Workshops
- IATA
  - PBN Airspace Design Workshops
- APEC
  - APEC Transportation Working Group
    - PBN Regulatory Review Visits
- Notably in-kind contributions from China, Hong Kong China, Pakistan, Philippines and Thailand

Phase 2 covers 2013-2017

Asia-Pacific FPP Office

1) Enhance Internal Process

2) Expand Value Creation

3) Increase Public Visibility

Asia-Pacific FPP Phase 2 Strategy Forward

Enhance Internal Process

- Adopt ICAO quality assurance process

- Enhance FPP administrative manual

- Increase the capability of FPP team members and to expand the number of qualified instructors in FPP Member States.

- Deployments additional IT

Expand Value Creation

- Improve existing trainings and workshops
  - Database of feedbacks from students, States/Administrations and SCM
- New courses and workshops for 2013
  - Quality Assurance Process for Procedure Design
  - PBN Implementation Follow-up Visits

Increase Public Visibility

- Participate in relevant ICAO technical forums
- Support States' PBN events
- Close cooperation with IATA and APEC

Outcome of the 49th DGCA Conference

The 49th DGCA Conference

- notes with the appreciation the activities of the FPP in 2012 and the Conference urges States/Administrations to continue their supports of the FPP into Phase 2 (2013-2017) of the Programme and to endorse its Strategy Forward;

- urge States/Administrations who are not yet a member of the FPP to consider becoming Active Participating States or User States; and

- urge current User States of the FPP to consider upgrading their participation status to Active Participating States and to become part of the FPP Steering Committee.

Thank you

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