



## INTERNATIONAL CIVIL AVIATION ORGANIZATION

**TWENTY FIFTH MEETING OF THE  
ASIA/PACIFIC AIR NAVIGATION PLANNING AND  
IMPLEMENTATION REGIONAL GROUP (APANPIRG/25)**

Kuala Lumpur, Malaysia, 8 – 11 September 2014

**Agenda Item 3: Performance Framework for Regional Air Navigation Planning and Implementation**
**3.6: Other Air Navigation Matters**
**ACTIVITIES OF ICAO ASIA AND PACIFIC REGIONAL SUB-OFFICE IN 2013-2014**

(Presented by the Secretariat)

**SUMMARY**

This Information Paper provides an update on the activities and progress of the ICAO Asia and Pacific Regional Sub-Office (RSO) in 2013-2014. The ICAO APAC RSO was established in June 2013 aiming to provide implementation support assistances to APAC States and Administrations in ATM enhancement activities, including Performance-Based Navigation (PBN) implementation, Airspace Optimization and Management and Air Traffic Flow Management and Collaborative Decision Making (ATFM/CDM).

*Strategic Objectives:*

- A: **Safety** – Enhance global civil aviation safety
- B: **Air Navigation Capacity and Efficiency**—Increase the capacity and improve the efficiency of the global aviation system
- E: **Environmental Protection** — minimize the adverse environment effects of civil aviation activities.

**1. INTRODUCTION**

1.1 The APAC Region is one of the fastest growing aviation markets. ICAO forecast predicts that the international Revenue Passenger Kilometers (RPKs) in the APAC Region will almost double that of North America within a decade. IATA estimates that the demand for commercial air travel in the APAC Region will continue to grow at a Combined Annual Growth Rate (CAGR) of 8.8% for international passenger market and 11.3% for freight market by 2014. ACI reports that the number of airport passengers in the APAC Region was up by 11.3% in 2010.

1.2 The ICAO Council, at the sixth meeting of its 194<sup>th</sup> Session held on 14 November 2011, agreed to establish a Regional Sub-office (RSO) of the Asia and Pacific (APAC) Office, aiming to enhance support to States in the APAC Region. The People's Republic of China was approved as the host State of the ICAO APAC RSO by the Council at its 197<sup>th</sup> Session held on 5<sup>th</sup> November 2012.

## 2. DISCUSSION

2.1 The RSO engages in project-oriented activities aiming to support States and Administrations in their air traffic management enhancement projects. The project areas which are in scope of the RSO activities include but not limited to Airspace Organization and Management (AOM), Collaborative Decision Making (CDM), Air Traffic Flow Management (ATFM), Flexible Use of Airspace (FUA) and Performance-Based Navigation (PBN).

2.2 The ICAO APAC RSO Strategic Framework consists of four strategies, namely

- A. Improve **Safety and Efficiency of Flight Operations** through Innovative Procedures;
- B. Enhance **Airspace Capacity and Efficiency** to Accommodate Asian Aviation Growth;
- C. Optimize **ATM Operations** via Collaborative Management of Traffic Flow; and
- D. Ensure **Continuous Improvement of Organizational Performances** by Proper Managements of Quality, Work Plans, Resources and Developments of Team-members' Capacity

2.3 The RSO Organization Structure consists of four units; namely Airspace Organization and Management Unit (AOM), Air Traffic Flow Management and Collaborative Decision Making Unit (ATFM/CDM) Unit, Administrative Unit and Flight Procedure Programme (FPP). The APAC FPP is established in 2009 with a goal of developing States' capabilities in the instrument flight procedure domain, especially in the areas of procedure. The APAC FPP is now under operational supervision by ICAO APAC RSO and is co-located with the Sub-Office.

2.4 The RSO is led by a Chief of Regional Sub-Office (P-5 position) recruited by ICAO. Chief, Regional Sub-Office reports directly to the ICAO Regional Director of the APAC Office in Bangkok, and works closely with the Air Navigation Bureau at ICAO HQ, particularly as they relate to Aviation System Block Upgrades (ASBUs) and ATM issues.

2.5 Since June 2013, the ICAO APAC RSO has provided ATM implementation support to States and Administrations as followings:

### Performance-based Navigation (PBN) and Airspace Organization and Management (AOM)

- Assisted Bangladesh, Fiji, Malaysia, Myanmar and Sri Lanka in effective implementation of airspace design for terminal airspace
- Assisted Bangladesh, Cambodia, Fiji, Laos PDR, Malaysia, Maldives, Mongolia, Myanmar, Sri Lanka, Thailand, and Timor Leste in implementations and validations of PBN procedures in coordination with the APAC FPP
- Assisted Bangladesh, India, Myanmar and Thailand to their on-going review of international route structure and aircraft separation over Bay-of-Bengal
- In cooperation with IATA, conducted trainings in PBN Operational Approval for regulators, airlines and ANSPs
- Supported ICAO/IATA/CANSO PBN Global Go-Team visits and PBN Airspace Design Workshops in Thailand and China
- Entrusted by ICAO IFPP to develop PBN Procedure Construction Manual
- Schedule a workshop on Civil Military Coordination and Flexible Use of Airspace for APAC States in November 2014
- Schedule a PBN Implementation and Planning Workshop for Pacific Island States in 2014 in Fiji to assist with PBN State Planning

Air Traffic Flow Management and Collaborative Decision Making (ATFM/CDM)

- Conducted a project assessment for ATFM/CDM implementation project in Shanghai in coordination with CAA China
- Assisted China, Japan and ROK on the establishment of North-Asia Regional ATFM Harmonization Group (NARAHG)
- Coordinated with ASEAN States on their on-going ATFM activities
- Conducted a briefing to China to gain better understanding of China's plan for planning and implementation of ASBU, ATFM and CDM
- Conducted a trial course on Introduction to ATFM/CDM to IATA and its airline members
- Schedule ATFM Workshop – Asia Pacific in 2014 in preparation for the Fourth APAC ATFM Steering Group Meeting

2.6 APAC States and Administrations may contact Mr. Noppadol Pringvanich (Chief, Regional Sub-Office) at [npringvanich@icao.int](mailto:npringvanich@icao.int) to request possible implementation support during their relevant ATM improvement initiatives.

**3. ACTION BY THE MEETING**

3.1 The Meeting is invited to note the information in this Information Paper and to encouraged States and Administrations to seek the support of ICAO APAC during their implementations of PBN, airspace organization and ATFM/CDM.

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