



## 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**
**3.4: CNS**
**HARMONIZED SWIM ACTIVITIES IN ASIA/PACIFIC REGION**

(Presented by Japan)

**SUMMARY**

This paper provides the importance of harmonized activities to introduce regional SWIM. SWIM is incorporated in GANP/ASBU Block-1 and 2, so States and Regions as well as global ATM communities should consider the globally harmonized SWIM implementation in near future. In addition, SWIM development should be considered for both the technical and operational aspect in Asia/Pacific region.

This paper relates to –

*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*

**1. INTRODUCTION**

1.1 The ATM community will depend extensively on the provision of timely, relevant, accurate, accredited and quality-assured information to collaborate and make informed decisions.

1.2 It is very important to establish scheme to share the right information to the right stakeholders at the right time, so System-Wide Information Management (SWIM) as platform for information sharing, is planned to be implemented as GANP/ASBU Block-1 “Performance Improvement through the application of System-Wide Information Management (SWIM)” and Block-2 “Enabling Airborne Participation in collaborative ATM through SWIM”.

1.3 To accelerate to SWIM implementation, ICAO will publish SWIM Concept document which will gain more understanding of SWIM and encourage to implement the service based on SWIM, ICAO will be published by end of 2014.

## **2. DISCUSSION**

2.1 SWIM is the essential platform, like the groundwork before building up a house, supporting various operational modules allocated in ASBU Block-1 and Block -2. After publishing the SWIM Concept, we need to accelerate implementation of SWIM in order to accommodate other related Block-1 modules.

2.2 However, it will be difficult to implement with only this SWIM Concept in Asia/Pacific Region, because this concept has been developed based on Western SWIM ideas without fully involvement by Asia/Pacific stakeholders during development.

2.3 In order to develop the meaningful SWIM for ATM stakeholders in Asia/Pacific Region, we should make effort to encourage the improvement of the recognition of SWIM through understanding the requirement of engineering aspect and operational aspect from the related documents such as SWIM Concept document or outcomes from SWIM demonstrations to establish necessary governance within region as well as with other regions to harmonizing as the Global ATM communities.

2.4 In addition, it should be focused the necessity of approach for both the technical aspect such as innovation of communication infrastructure and operational aspect such as roles and responsibilities under information management for secure information exchange for the SWIM development.

2.5 Thus, it is important that every APANPIRG contributing bodies (Sub group, Task Force) should consider their own roles from both operational and technical aspects and collaborate with all related parties in order to introduce and utilize SWIM in Asia/Pacific Region.

## **3. ACTION BY THE MEETING**

3.1 The Meeting is invited to:

- a) note the status of SWIM development;
- b) recognize the importance to promote the understanding SWIM, and
- c) consider a conclusion as follows:

*That, ICAO is urged to take appropriate actions such as holding the SWIM seminar and establishing the mechanism that is consisted by both operational and technical expert related SWIM development in Asia Pacific Region.*