



International Civil Aviation Organization

**SIXTEENTH MEETING OF THE
COMMUNICATIONS/NAVIGATION/SURVEILLANCE AND
METEOROLOGY SUB-GROUP (CNS/MET SG/16) OF APANPIRG**

Bangkok, Thailand, 23 – 27 July 2012

Agenda Item 2:

Review:

- 2) relevant action items of 48th DGCA Conference

ACTION ITEMS OF DGCA CONF/48

(Presented by the Secretariat)

SUMMARY

This paper presents outcome of the 48th Conference of Directors General of Civil Aviation (DGCAs), Asia and Pacific Regions held in New Caledonia from 10 to 14 October 2011 for consideration by the meeting.

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: All

1. Introduction

1.1 The 48th Conference of Directors General of Civil Aviation (DGCAs), Asia and Pacific Regions, hosted by Direction générale de l'Aviation civile (DGAC) France and organized by the Department of Civil Aviation, New Caledonia was held at the Le Meridien Noumea, New Caledonia from 10 to 14 October 2011.

1.2 The Conference was attended by 198 delegates from 33 States/Administrations and 10 International Organizations including observers.

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2. Discussion

2.1 The DGCA Conf/48 received (54) Discussions Papers and (21) Information papers under its 9 agenda items. The Conference reviewed and discussed APANPIRG/22 outcome under its agenda item 3 – Air Navigation Planning and Implementation.

2.2 The theme subject for the DGCA Conf/48 was “*Sharing information and experiences to enhance safety and efficiency of Air Navigation Services (ANS) in the Asia-Pacific with specific reference to Oceanic Zones*”.

ADS-B Implementation

2.3 Singapore and Hong Kong China presented discussion papers on the sub-regional ADS-B Implementation in the South China Sea and on cross FIR ADS-B data sharing amongst adjoining States.

2.4 Under the leadership of the ICAO and collaborative efforts from CANSO and IATA, Australia, Hong Kong, China and Singapore, have published notices for mandate carriage of ADS-B avionics in their respective airspace by 12 December 2013. A framework on implementation timeline, avionics standard, optimal flight levels, and ATC handling procedures was agreed for harmonized ADS-B implementation and seamless operations along L642 and M771. Currently, a number of major ADS-B collaboration and data sharing projects in the Regions are in progress with a view to providing enhanced surveillance over major air traffic routes between Australia and Singapore; between Hong Kong, China and Singapore; in the eastern part of the South China Sea between Singapore and the Philippines/Taipei; as well as in the Bay of Bengal areas.

2.5 Based on the latest development, many States/Administrations in the APAC Region had taken proactive steps to plan, conduct trials and implement ADS-B technology. However, in a survey by the ICAO to 16 States/Administrations on their plan to implement ADS-B, it was revealed that only 6 of them provided an implementation roadmap with specific timelines.

2.6 ICAO Member States/Administrations with near term plan to implement ADS-B by 2013 were urged to publish their mandate no later than 2011 in accordance with APANPIRG Conclusion 21/39 to give sufficient prior notice to aircraft operators for early planning and implementation; as well as making reference to the operational framework agreed. States/Administrations along these trunk routes were requested to review their strategy on surveillance coverage (for both Radar and ADS-B) and submit their ADS-B Implementation Plan to the ICAO APAC Regional Office before end of 2012.

2.7 As result of discussion, the Conference reaffirmed the need for expedited implementation of PBN, Continuous Descent Operations, the new ICAO FPL 2012, as well as deployment of technology enablers such as GNSS, ADS-B and AIM. Accordingly, the Conference adopted a number of action Items on these aspects including Action Item 48/4 on ADS-B.

ACTION ITMES AGREED BY THE CONFERENCE

2.8 The Conference developed in total eight actions items, many of which are relevant to the work programme of CNS/MET SG. The list of action items developed by DGCA Conf/48 is provided in the **Attachment** to this paper for review.

Theme Subject for the DGCA Conf/49

2.9 The theme topic for the DGCA Conf/49 agreed upon was “*Managing Air Transport Growth in the Asia Pacific Region through a Collaborative Approach to Safety, Security and Sustainability.*” The 49th Conference of DGCA’s will be held in New Delhi, India from 8 to 12 October 2012. The CNS/MET SG/16 meeting may wish to propose issues in the CNS and MET fields to be brought to the attention of the 49th DGCA Conference.

3. Action by the Meeting

3.1 The meeting is invited to review the action items developed by the 48th DGCA Conference.

LIST OF ACTION ITEMS ARISING FROM THE 48th CONFERENCE

	Agenda Item 1 and 3:
Action Item 48/1	<p>Recognizing the need for collaboration and harmonization towards seamless ATM in the Asia-Pacific region, the Conference urges States and Administrations to:</p> <ul style="list-style-type: none"> a) share information and experience on their ATM modernization programmes, and requests ICAO to explore setting up a website for this; and b) actively participate and contribute resources as appropriate to the Asia Pacific Seamless ATM Planning Group.
Action Item 48/2	<p>Recognizing the potentially significant impact of the ICAO Aviation System Block Upgrades on national ATM modernisation and regional harmonisation, the Conference requests APANPIRG, through the Asia Pacific Seamless ATM Planning Group, to:</p> <ul style="list-style-type: none"> a) study the proposed ICAO Aviation System Block Upgrades and provide advice on the benefits, business case and implications to States and Administrations; and b) explore formulating a regional position prior to the 12th Air Navigation Conference.
Action Item 48/3	<p>Noting that not all elements of the ICAO Aviation System Block Upgrades are required by States and Administrations, the Conference requests APANPIRG, through the Asia Pacific Seamless ATM Planning Group, to:</p> <p style="padding-left: 40px;">identify the critical minimum operational and system needs under the ASBUs for implementation.</p>
Action Item 48/4	<p>Recognizing that the full benefits of ADS-B would only be achieved through harmonized implementation, the Conference urges States and Administrations to expedite ADS-B implementation and share with ICAO Regional Office their implementation plan.</p>
Action Item 48/5	<p>Noting the importance of GNSS in supporting PBN, the Conference urges States and Administration to:</p> <ul style="list-style-type: none"> a) expedite the implementation of PBN as well as GNSS, and to look into creating a regulatory environment and the protection of aviation use of GNSS; and b) implement the minimum requirement of GNSS-enabled area navigation systems for all RNP navigation authorizations, which has been adopted.

	Agenda Item 1 and 3:
Action Item 48/6	<p>Given the need for global implementation of the new FPL 2012, the Conference urges States and Administrations to:</p> <ul style="list-style-type: none"> a) expedite its implementation; and b) cooperate and share information with other States and Administrations to ensure a timely transition to the FPL2012.
Action Item 48/7	<p>To promote AIM implementation in the Asia-Pacific, the Conference urges ICAO to look into:</p> <ul style="list-style-type: none"> a) developing an Asia Pacific AIM Implementation Plan to ensure seamless transition to AIM and inter-operability; b) providing States with Guidance Material on electronic Terrain and Obstacle Data (eTOD) implementation until ICAO specifications on electronic terrain and obstacle data are developed; c) establishing a website as a means of tracking the implementation status of States and Administration; and d) establishing a central database of aeronautical information that is available to ATM users.
Action Item 48/8	<p>Recognizing the benefits of ATFM, the Conference requests that the ICAO Regional Office develop and coordinate with ICAO Air Navigation Bureau the Regional ATFM Strategy.</p>