



*International Civil Aviation Organization*

**The Ninth Meeting of the Asia/Pacific Aeronautical Information Services –  
Aeronautical Information Management Implementation Task Force (AAITF/9)**

Pattaya, Thailand, 24 – 27 June 2014

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**Agenda Item 5: Any Other Business**

**ESTABLISHMENT OF THE INFORMATION MANAGEMENT PANEL**

(Presented by the Secretariat)

**SUMMARY**

This paper informs the meeting of the establishment of the Information Management Panel

**1. INTRODUCTION**

1.1 The ICAO Air Navigation Commission has agreed to the establishment of the Information Panel (IMP), to elaborate on necessary concepts and develop a global and interoperable approach to ensure effective management of information within the global air navigation system.

**2. DISCUSSION**

2.1 The IMP will undertake tasks relating to the global transition from AIS to AIM, based upon Recommendations 3/1, 3/2, 3/3 and 3/9 of the Twelfth Air Navigation Conference in 2012 (AN-Conf/12).

2.2 The following Asia/Pacific States have been invited to nominate for membership on the IMP:

Australia, China, India, Japan, Singapore.

2.3 The terms of reference of the IMP and additional information relating to panels are provided in Attachment A.

**3. ACTION BY THE MEETING**

3.1 The meeting is invited to note the information contained in this paper.

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**ATTACHMENT A** to State letter SP 68/1–IND/14/7

**TERMS OF REFERENCE  
INFORMATION MANAGEMENT PANEL (IMP)**

<p><b>Background</b></p>	<p>The Information Management Panel (IMP) is to be established to develop a global and harmonized interoperable approach and elaborate on necessary concepts in order to ensure effective management of information, including identifying the need for new information exchange formats, on a system-wide basis within the air navigation system.</p> <p>A global approach on information management (IM) is essential to ensure global interoperability and standardization across all data domains and to support activities such as flight and flow - information for a collaborative environment (FF-ICE), the evolution of meteorological services towards digital information exchange and a NOTAM system review.</p>
<p><b>Scope</b></p>	<p>The Information Management Panel (IMP) will investigate and develop solutions supporting the planning framework on information management contained in the global air navigation plan (GANP), including further development of system-wide information management (SWIM) using as a basis the SWIM concept as elaborated by the Air Traffic Management Requirements and Performance Panel (ATMRPP).</p> <p>The IMP will develop a global interoperability framework for international air navigation. Its components (for example, technical resources such as information models and associated exchange formats, service models, governance functions and structure) will be worked upon as they are identified and agreed during the course of the IMP proceedings.</p>
<p><b>Required Expertise</b></p>	<p>The panel shall be preferably composed of experts involved in:</p> <ul style="list-style-type: none"> <li>a) cross data domain information management processes in the field of air traffic management (ATM);</li> <li>b) the transition of State data domain specific systems (flight operations, meteorological services, airport services or aeronautical information service (AIS)) to a cross data domain IM system; and</li> <li>c) the operational use of information supplied.</li> </ul>
<p><b>Objective(s)</b></p>	<ol style="list-style-type: none"> <li>1. Define the Global Interoperability Framework (including a minimum set of global use cases, models, processes and requirements) describing the functions, architectures and system design requirements which should include the items further described hereafter.</li> <li>2. Define and elaborate on the ATM information management concepts, functions and processes required, including a business model to provide accredited, quality-assured and timely information required by actors within the air navigation system and used to support operations (including full FF-ICE, digital MET information exchange and NOTAM system review) on a system-wide basis, including avionics.</li> <li>3. Identify the quality of service requirements necessary to maintain ATM information security, integrity, confidentiality and availability, and to mitigate the risks of</li> </ol>

	<p>intentional disruption and/or changes to safety-critical ATM information.</p> <ol style="list-style-type: none"> <li>4. Develop an ATM information service architecture.</li> <li>5. Identify the requirements for SARPs and changes to existing SARPs that will provide an interoperable environment to support the information requirements of all air navigation services (ANS) stakeholders in accordance with the blocks and operational improvements outlined in the Global Air Navigation Plan and:             <ol style="list-style-type: none"> <li>a) develop those SARPs necessary to enable SWIM in accordance with the roadmap outlined in the Global Air Navigation Plan;</li> <li>b) provide suitable objectives and requirements to serve as the basis for SARP development by other groups where appropriate; and</li> <li>c) update and maintain the information management roadmap.</li> </ol> </li> <li>6. Develop transition strategies and guidance necessary for the implementation of global SWIM and new information exchange formats, including future avionic requirements.</li> <li>7. Identify and plan for anticipated data and information flows in relation to future ATM requirements and capabilities and assess the capacity of appropriate facilities to support them.</li> </ol>
<p><b>Specific Working Arrangements</b></p>	<p>It is anticipated that the panel will be supported by working groups, each dealing with a specific area. Precise details and meeting frequency/locations will be provided once the group has been established and determines its tasks.</p> <p>It is expected that data domain specific elements would be handled in coordination with domain specific expert groups, for example, an envisaged future MET Panel.</p> <p>For AIS to AIM, the existing Aeronautical Information Services-Aeronautical Information Management Study Group (AIS-AIMSG) will be maintained until completion of current work on the amendment of Annex 15 — <i>Aeronautical Information Services</i> and PANS-AIM. The further evolution and work on AIM towards cross domain information management will then fall under the remit of the IMP.</p>

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**ATTACHMENT B** to State letter SP 68/1-IND/14/7

**ADDITIONAL INFORMATION RELATING TO PANELS**

1. The fifth edition of the *Directives for Panels of the Air Navigation Commission* (Doc 7984/5) contains guidance intended to assist States in determining their ability to contribute to a panel's work by making an expert available, in choosing the appropriate expert, and in providing instructions on the duties and responsibilities of the experts. Any expenses resulting from the participation of members in the work of the panels are borne by the States or organizations which have made them available.
2. The panel will conduct its work through correspondence and meetings. Panel meetings are normally held at ICAO Headquarters, in Montréal. Some of the panel's work is usually conducted through working groups that may require additional meetings, often held outside of Montréal. In order that panel members may contribute freely and effectively to the panel's work, it is important that they have available the necessary resources and are able to attend panel and working group meetings.
3. Resolving Clause 3 of Appendix B of Assembly Resolution A38-12 states that a panel will be allowed to continue in existence only if its continuation is considered justified by the Air Navigation Commission.

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