



INTERNATIONAL CIVIL AVIATION ORGANIZATION

ASIA/PACIFIC CIVIL/MILITARY COOPERATION SEMINAR/WORKSHOP

(Bangkok, Thailand, 28 February – 1 March 2012)

SUMMARY OF DISCUSSIONS

1. INTRODUCTION

1.1 The seminar/workshop was convened by the International Civil/Aviation Organization (ICAO), in partnership with the Civil Air Navigation Services Organisation (CANSO), the European Organisation for the Safety of Air Navigation (EUROCONTROL), the International Transport Association (IATA), the Federal Aviation Administration (FAA) of the United States and UVS International (UVSI). The seminar/workshop was held in the premises of the Bangkok Regional Office.

1.2 The seminar/workshop was conducted in English as part of a worldwide campaign of regional civil/military cooperation events recommended by the Global Air Traffic Management Forum on Civil/Regional Cooperation (Montreal, October 2009) and endorsed by the 37th Assembly (October 2010).

1.3 The objectives of the event were to build on the Global Forum outcome providing States/International organizations in the Asia and Pacific Regions with information from Circular 330/AN *Civil/Military Cooperation in Air Traffic Management*, to improve civil/military cooperation and coordination, to optimise airspace by applying the concept of flexible use of airspace in the regions, to share information between civil/military authorities and to analyse the impact of modernization efforts by States.

1.4 The seminar/workshop was attended by seventy-three participants from thirteen States and four international organizations. The documents of the event are available in the ICAO ASIA/PACIFIC Regional Office website:

http://www.bangkok.icao.int/cns/meeting.do?method=MeetingDetail&meeting_id=113

1.5 Mr. Yoshiki Imawaka, Deputy Regional Director Bangkok provided opening remarks. Mr. Voradej Harnprasert, Director General of Department of Civil Aviation, Ministry of Transport Thailand and Air Marshall Sujin Chamchoy, Deputy Commander of Directorate of Air Operations Control, Royal Thai Air Force were Keynote speakers.

1.6 Mr. Gustavo De León, Regional Programme Officer, Air Navigation Bureau, ICAO HQ, was the coordinator of the seminar/workshop and was assisted by Mr. N.C. Sekhar

Regional Officer Aerodrome and Mr. Len Wicks Regional Officer ATM. Messrs. Li Peng, Peter Dunda, Fareed Shah, Manjit Singh, John Richardson and Boon Soon, Regional Officers attended the event.

1.7 Messrs. Carlos Cirilo (IATA), Rob Peters, Olivier Mrowicki, Jan Scholz (EUROCONTROL), Roger Rapiere (FAA) and Scott DeHart (FAA/CANSO) acted as facilitators and/or moderators of the seminar/workshop.

2. DISCUSSIONS

2.1 On the first day of the seminar/workshop, participants were provided with basic presentations, which covered topics such as:

- Why should civil and military cooperate?
- ICAO 37th Assembly Resolution A 37-15;
- Appendix O and Regulatory Framework for Civil/Military Cooperation/Coordination;
- the roll-out of guidance material: Circular 330-AN/189 Civil/Military Cooperation in Air Traffic Management;
- Developments of Civil/Military Cooperation in Asia/Pacific regions: Sharing Experiences and Best Practices, ICAO regional perspective on Civil/Military Cooperation;
- International Organizations perspectives on Civil/Military Cooperation; and
- panels discussions on how to improve collaboration among civil and military organizations, airspace organization and management, and Interoperability (challenges and opportunities).

2.2 As results of the discussions held during the sessions of the seminar, the following findings were endorsed:

- It was recognized that Civil/Military coordination and cooperation must be based on trust, transparency and communication and that the airspace planning, management and design of the airspace should be based on civil and military users needs.
- It was also recognized the need for the development at national levels of a process that consider civil and military priorities/needs and to increase communication in top level to improve understanding of each other priorities and constrains.
- Permanent civil/military working structures at national and regional levels are necessary. At the highest political level should be agreement to create State civil/military cooperation/coordination mechanism where discussions of both civil and military needs can be negotiated on an equitable basis.
- Open Skies for Asia was perceived as a good forum to move forward the civil/military subject. The region was unique with numerous languages, cultural differences and challenges, this need to be considered when establishing any way forward.
- The application of Flexible Use of Airspace (FUA) needs constant communication at the strategic, pre-tactical and tactical levels, as outlined in Circular 330. A key consideration in ensuring airspace use remains as flexible as possible is the need to provide adequate information to all key players in a timely manner.

- Regular review of controlled airspace and special use airspace to ensure that it's establishment, size and operation is appropriate in terms of optimal civil/military operations.
- There is an increasing pressure for all airspace users to balance missions' outcomes with financial aspects.

2.3 On the second and third days, the attendees participated in the workshop with exercises to enhance common understanding of civil/military cooperation in airspace management covering the following subjects: Introduction to the elements of good communications, preparation of static and dynamic airspace plans to reflect on civil and military airspace requirements with associated priority rules and exploring actual use airspace plan for a day of operations. The workshop also reviewed civil and military initiatives derived from the exercises to improve civil/military cooperation and the challenges of each. A demonstration of EUROCONTROL Local and Regional Airspace Planning Tool (LARA) to support and enhance the airspace management process was provided to the participants. This tool provided, among other functionalities:

- real-time exchange of airspace management data between involved actors enabling collaborative decision making; and
- enhanced situational awareness throughout the airspace management process.

3. RECOMMENDATIONS

3.1 As a result of discussions, the seminar/workshop developed the following recommendations, which are to be addressed by ICAO and States, as appropriate:

- a) Regional follow-up to the Asia/Pacific Civil/military Cooperation Seminar/Workshop is supported;
- b) Civil/military cooperation/coordination principles and practices should be elevated to the highest political level in the States in the Asia/Pacific regions, including the following:
 - Civil/Military working arrangements where discussion of both civil and military needs are able to be negotiated in a balance manner;
 - The importance of the interoperability of civil air transport infrastructure and national security is recognized;
 - The interoperability of civil and military systems including data sharing is emphasized.
- c) ICAO is requested to update existing provisions related to civil/military cooperation/coordination and further develop guidance material related to airspace planning and management, including Flexible Use of Airspace (FUA);
- d) Regular review of controlled airspace and special use airspace is encouraged to be undertaken by States to ensure its establishment, size, activation and operation is appropriate in terms of optimal civil/military operations.

4. **CLOSING**

4.1 In the closing session, Mr. Yoshiki Imawaka, ICAO Bangkok Deputy Regional Director thanked the attendees for their participation in the civil/military cooperation and coordination and management of the airspace event and closed the seminar/workshop.

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