



*International Civil Aviation Organization*

**The Third Meeting of the APANPIRG ATM Sub-Group  
(ATM /SG/3)**

Bangkok, Thailand, 03-07 August 2015

---

**Agenda Item 5: ATM Coordination (Meetings, Route Development, Contingency Planning)**

**CIVIL/MILITARY COOPERATION LECTURE AND SEMINAR OUTCOMES**

(Presented by the Secretariat)

**SUMMARY**

This paper presents the outcomes from the 2014 Asia/Pacific Civil/Military Cooperation Lecture and Seminar, held from 19 to 21 November 2014, at the ICAO Asia/Pacific (APAC) Regional Sub-Office (RSO), Beijing, China.

**1. INTRODUCTION**

1.1 The Asia/Pacific Civil/Military Cooperation Lecture and Seminar was held from 19 to 21 November 2014, at ICAO APAC RSO, Beijing, China. The Lecture and Seminar was attended by 48 participants from 10 States and administrations, and 4 International Organizations. The participants included a broad mix of Civil and Military Authorities, Air Navigation Service Providers (ANSPs), civil/military airspace managers and airspace users. The relevant presentations and documents are available at <http://www.icao.int/APAC/RSO-Beijing>.

1.2 This Lecture and Seminar was convened by the International Civil Aviation Organization (ICAO), with support from the European Organization for the Safety of Air Navigation (EUROCONTROL), the International Air Transport Association (IATA), the Federal Aviation Administration (FAA), the German Air Navigation Services (DFS) and the ASEAN Air Transport Integration Project (AATIP).

1.3 The objectives of the event were:

- to raise awareness on high priority accorded CMAC and benefits of civil and military cooperation;
- provide useful guidance based on ICAO Circular 330 with a special focus on Conditional Route (CDR) and Airspace Management Cell (AMC) operations which can benefit airspace management;
- share best practices from successes in Civil/Military Cooperation that can facilitate implementation of Flexible Use of Airspace(FUA).

1.4 In Lecture session, ICAO presented an overview of Circular 330 with special focus on ICAO's institutional and regulatory framework as well as airspace organization and management, DFS and FAA were invited to present the appendices to Circular 330 which incorporates the best practices of civil and military cooperation in Germany and United States.

1.5 In Seminar session, highlighted the importance of regional civil/military cooperation. China, India, Japan, Malaysia, Singapore, Republic of Korea and Thailand shared improvements achieved in their countries, the current situation and future plans, their experiences and lessons learned. EUROCONTROL and AATIP presented the current FUA implementation in Europe based on successful applications and the advanced FUA concept developed by EUROCONTROL. IATA emphasized the concerns of the CDM process in FUA and the Coast Guard of United States highlighted civil military collaboration in SAR.

## 2. DISCUSSION

2.1 The Lecture and Seminar discussed in depth the problems raised and concerns of States based on the current situation, future developments and likely obstacles in this region. The Seminar identified seven key points and made relevant recommendations aiming to facilitate the implementation of FUA and improvements to CMAC.

***Key Point 1:** Common understanding and mutual trust are the fundamental requirements for successful civil and military coordination and flexible use of airspace.*

2.2 The Seminar urged ICAO to continue inviting States to include their military agencies in their delegations to relevant ICAO meetings and activities. Civil Aviation Authorities are also invited to engage in continuing discussions and dialogues with their military partners on airspace usage and optimization using appropriate Collaborative Decision Making (CDM) processes.

***Key Point 2:** The Seminar recognizes the value of ICAO Circular 330 for the States' development and regional harmonization of CMAC and FUA process.*

2.3 The Seminar urged ICAO, international organizations and States to commit necessary resource, expertise and relevant materials to support the enhancement of Circular 330.

***Key Point 3:** Consistency of CMAC/FUA terminology and data structure are important requirements for regional and global harmonization.*

2.4 The Seminar invited APAC States to consider using consistent and harmonized CMAC/FUA related terminology and data structure to support regional interoperability of airspace management.

***Key Point 4:** The Seminar notes the necessary linkage among Airspace Management, ATFM/CDM process and ATS Service Provision to ensure effective and efficient conducts of military missions and civil aviation operations.*

2.5 The Seminar urged APAC States to review its current ATM process to ensure proper coordination and sharing of data and information among States' Airspace Management units, ATFM units and ATS units, from both civil and military organizations.

***Key Point 5:** The Seminar reemphasizes that proper communication process, data sharing mechanism, decision-making framework and negotiation guideline are some of the fundamental requirement supporting civil and military coordination and flexible use airspace.*

2.6 The Seminar urged APAC States to develop and continue enhancing and reviewing their civil and military coordination process, data sharing mechanism, decision-making framework and negotiation guideline to support flexible use of airspace. The process, mechanism, framework and guideline may be structured into 3 sequential levels, including strategic, pre-tactical and tactical.

**Key Point 6:** *The Seminar reemphasizes the need for governmental support at the policy level to facilitate effective civil and military coordination to ensure the efficient use of national airspace resource.*

2.7 The Seminar urged APAC States to engage with their governments at the highest levels to ensure that the national airspace resource is better utilized and a national policy ensuring effective civil and military coordination process is developed.

**Key Point 7:** *The Seminar recognizes the role of civil and military coordination which is required to support effective Search and Rescue operations.*

2.8 Noting the important role of civil and military coordination during SAR missions, the Seminar urged APAC States to consider developing/enhancing their on-going Search and Rescue framework to include effective civil/military coordination both within the domestic and international airspace, including cross-border operations.

**Recommendation from the Seminar:** *The Seminar requested ICAO Secretariat to present the successful outcomes of this Civil/Military Cooperation Lecture and Seminar to relevant formal ICAO meetings. The Seminar also invites ICAO to consider arranging similar civil and military cooperation and coordination events for the APAC in the future.*

### 3. ACTION BY THE CONFERENCE

3.1 The Conference is invited to:

- a) note the information contained in this paper; and
- b) discuss any relevant matters as appropriate.

.....