



INTERNATIONAL CIVIL AVIATION ORGANIZATION

NAM/CAR/SAM CIVIL/MILITARY COOPERATION SEMINAR/WORKSHOP

“Escuela Superior de Guerra Aérea”

(Lima, Peru, 16 – 19 August 2011)

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) and the Department of Defence (DoD) of the United States, the German Ministry of Transport, the North Atlantic Treaty Organization (NATO) and UVS International (UVSI). The seminar/workshop was held in the premises of the “Escuela Superior de Guerra Aerea (ESGA)” that generously provided the logistic support for this event. A special recognition to the Peruvian DGCA for the arrangements during the event preparation.

1.2 The seminar/workshop was conducted in English/Spanish within the framework of the Special Implementation Projects (SIP) for the CAR/SAM Regions, in conjunction with Regional Project RLA/06/901 and is also 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 NAM/CAR/SAM 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 sixty seven participants from twelve States and seven international organizations. The documents of the event are available in the ICAO SAM website:
http://www.lima.icao.int/MeetProg/mt_MeetingDocumentation.asp?wShortTitle=CIVMILC.11&wLanguage=S.

1.5 Brig. General del Aire, Pedro Seabra, General Commander, Peruvian Air Force was a Keynote speaker, Mr. Franklin Hoyer, ICAO Regional Director Lima provided opening remarks and Mr. Ramon Gamarra, Director General, DGAC Peru opened the seminar/workshop.

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. Victor Hernandez, NACC Regional officer ATM and Mr. Celso Figueiredo, SAM Regional officer ATM.

1.7 Messrs. Carlos Cirilo (IATA), Rob Peters, Olivier Mrowicki, Jan Scholz (EUROCONTROL), Dean Fulmer (FAA/CANSO), Paul Bartko and Roger Rapier (FAA), acted as facilitators and moderators of the seminar/workshop.

2. DISCUSSIONS

2.1 On the first and second day of the seminar/workshop, participants were provided with basic presentations, which covered topics such as *why should civil and military cooperate?* The message conveyed by the Global ATM Forum on Civil/Military Cooperation and 37th session of the ICAO Assembly, roll-out of Circular 330-AN/189 Civil/Military Cooperation in Air Traffic Management. Developments of Civil/Military Cooperation in CAR/SAM regions and ICAO regional perspective and panels discussions on how to improve collaboration among civil and military organizations, airspace organization and management, and ATM opportunities, interoperability and challenges.

2.2 The seminar noted the following findings: 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. The seminar also recognized that civil military coordination and cooperation is not just for defence, its evolution is driven by technological needs and developments in the area of Security, Safety and Environment. It was mentioned that financial investments in ATM for civil and military use, enabling interoperability, should be properly funded. The seminar also noted that Collaborative Decision Making is a prerequisite for Civil/Military coordination and cooperation and that UAS Rules and Regulations currently being developed should make best use of existing regulations. In addition, the seminar noted that one very important topic to be developed during the civil/military coordination and cooperation campaign is to share their knowledge related to their activities in order to facilitate the integration between the actors.

2.3 On the third and four 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 provides, among other functionalities, real-time exchange of airspace management data between involved actors enabling collaborative decision making and an 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) The follow-up event to the Global ATM Forum on Civil/Military Cooperation Forum (2009) is supported;
- b) the seminar requested ICAO to coordinate development of regional Civil/Military guidelines for the CAR/SAM regions;
- c) Civil/Military working arrangements at regional level are recommended;
- d) States are encouraged to apply the principles of Flexible Use of Airspace-FUA (Ref. Annex 11 — *Air Traffic Services, Procedures for Air Navigation Services — Air Traffic Management* (PANS-ATM, Doc 4444) and Circular 330-An/189 *Civil/Military Cooperation in Air Traffic Management*);
- e) ICAO is requested to prepare Flexible Use of Airspace (FUA) guidance material;
- f) military authorities' participation in ICAO meetings is recommended (Ref. Resolution A37-15, Appendix O: Coordination and Cooperation of Civil/Military Air Traffic);
- g) the ICAO NACC/SAM Regional Offices are requested to organize an ATM Crisis Management Workshop; and
- h) States in CAR/SAM regions, as far as possible, should establish a civil/military coordination liaison office within Civil Aviation Departments to facilitate the coordination among civil and military sectors.

4. CLOSING

4.1 In the closing session, participants expressed their appreciation for the format and content of the seminar/workshop, which demonstrated the importance of civil/military cooperation, coordination and management of the airspace. Mr. Franklin Hoyer, ICAO Regional Director, Lima and the Col. Hugo Torres, Deputy Director “Escuela Superior de Guerra” thanked the attendees for their interest in the civil/military cooperation and coordination and management of the airspace and closed the seminar/workshop.