



*International Civil Aviation Organization*

**MIDANPIRG Air Traffic Management Sub-Group**

**Ninth Meeting (ATM SG/9)**

*(Sharm El Sheikh, Egypt, 14 – 16 November 2023)*

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**Agenda Item 4:           Planning and Implementation issues related to ATM/SAR**

**TEHRAN FIR NATIONAL CIVIL - MILITARY COOPERATION IMPLEMENTATION**

*(Presented by Iran)*

<p style="text-align: center;"><b>SUMMARY</b></p> <p>This paper presents the progress of implementation of CMC in Tehran FIR.</p> <p>Action by the meeting is at paragraph 3.</p>
<p style="text-align: center;"><b>REFERENCE(S)</b></p> <ul style="list-style-type: none"><li>- ICAO Doc 4444: PANS - ATM</li><li>- ICAO Doc 10088: Manual on Civil-Military Cooperation in Air Traffic Management</li><li>- ICAO Civil-Military Cooperation Workshop report (Tehran, Iran, 16 - 18 May 2022)</li></ul>



**1.       INTRODUCTION**

1.1           The Preamble to the Convention on International Civil Aviation (Doc 7300, Chicago Convention) highlights that States, parties thereto, “agreed on certain principles and arrangements in order that international civil aviation may be developed in a safe and orderly manner and that international air transport services may be established on the basis of equality of opportunity and operated soundly and economically”.

1.2           Article 3 of the Chicago Convention provides that it shall be applicable only to civil aircraft and shall not be applicable to state aircraft, which are used in military, customs and police services as per Article 3 b). However, Article 3 d) requires that “contracting States undertake, when issuing regulations for their state aircraft, that they will have due regard for the safety of navigation of civil aircraft”.

1.3           Therefore, there is a need for States to establish a framework for ensuring adequate collaboration, cooperation and coordination between civil and military aviation stakeholders, aiming to support States to fulfil their national requirements and meet their obligations as parties to the Chicago Convention. The focus of ICAO Doc 10088 is to provide guidance to States wishing to implement or improve civil-military cooperation for air traffic management, for the safe and optimal use of the airspace by both parties. It is important to note, however, that most of this material would be equally relevant to the wider spectrum of state aircraft operations, as well as other airspace usage.

1.4 Civil and military operations differ in nature and in purpose. While civil aviation supports global interconnection and contributes to the global economy, military operations are conducted for reasons of national security or defence. However, both types of operations take place in a single continuum of airspace and, therefore, civil aviation and military stakeholders need to cooperate to ensure their mutual safety. Successful cooperation is based on mutual trust, respect, transparency and understanding. Additionally, the modernization of air traffic management (ATM) towards greater information flows and operational flexibility creates a need to enhance civil-military cooperation and coordination.

1.5 Notwithstanding civilian requirements, militaries also need to use airspace effectively and efficiently while conducting their operations. States are encouraged to foster better civil-military cooperation to meet the increasing need for access to airspace by both types of actors, alongside the growing need for operational flexibility.

## **2. DISCUSSION**

2.1 The ICAO Civil-Military Cooperation Workshop was held in Tehran, Iran, from 16 to 18 May 2022. More than 130 participants from Civil Aviation Authority (Iran CAA), Military and Iran Airports and Air Navigation Company (IAC) participated in this workshop.

2.2 Based on the update provided by ICAO concerning the ICAO provisions related to Civil-Military collaboration, cooperation and coordination as well as the outcome of the hands-on exercise, the Workshop agreed on the followings:

- a) recognized the need for enhancing the open dialogue between Civil and Military stakeholders to agree on high-level policy and procedures required for civil-military cooperation;
- b) emphasized that the current framework would require changes, including representation aspects and the processes used for coordination between the parties at the high-level and at the level of the ASM Committee;
- c) noted that it is time that a review be carried out for the optimization of the airspace including the use of temporary reserved areas in accordance with Doc 10088, taking into account the Iran objectives related to safety, security, economy, defence, capacity and efficiency.
- d) appreciated the excellent level of cooperation and communication demonstrated between all participants, especially during group exercises;
- e) took note of the aviation system and the civil-military arrangements in place;
- f) encouraged Iran to proactively improve the civil-military cooperation framework in accordance with the guidance of the Manual on Civil-Military Cooperation in Air Traffic Management (Doc 10088) to ensure effective collaboration, cooperation and coordination and, in particular:
  - i. the establishment of a high-level Civil-Military Aviation Cooperation Policy Board (CMAB) and a Committee for Airspace Organization and Management (CAOM);
  - ii. the improvement of tactical coordination taking into consideration the need for setting up an airspace management cell (AMC); and
  - iii. the implementation of flexible use of airspace (FUA); and
- g) expressed its commitment to follow-up on the progress and provide guidance and support as required through the ICAO MID Regional Office.

2.3 In performing the objectives in paragraph 2.2, items “f” & “g”, Iran CAA with participation of all relevant stakeholders and support of ICAO MID Office developed required action plan at **Appendix A** in line with ICAO guidance material Doc 10088 to implement Civil and Military Cooperation (CMC), Flexible Route of Airspace (FUA) and Free Route Airspace (FRA) concept in Tehran FIR.

### **3. ACTION BY THE MEETING**

3.1 The meeting is invited to:

- a) review action plan at Appendix A and provide feedback, if any;
- b) MID States share their experience and knowledge regarding successful implementation of CMA, FUA & FRA with other States; and
- c) ICAO MID office to support Iran CAA to achieve the objectives in paragraph 2.3.

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**ACTION PLAN FOR IMPLEMENTATION OF CMC IN TEHRAN FIR**

Key Activities	Action		Target date	Deliverable	Champion	Supported by	Status / RMK
	No.	Description					
<b>Key Activity 1</b> Development of Iran Civil-Military Cooperation Manual	1.1	Kick-off and introduction	2 July 2023	Conduct the meeting	Iran CAO	Military and IAC	
	1.2	Review of the ICAO Doc 10088 to develop Iran national Civil-Military Cooperation Manual	16 July 2023 (14 day)	Table of content	Iran CAO	Military and IAC	
	1.3	Develop the content of Iran National Civil-Military Cooperation Manual. The task of each member should be agreed and assigned by the meeting	1 Sep 2023 (45 day)	Draft of Iran National Civil-Military Cooperation Manual	Iran CAO	Military and IAC	Additional meeting and coordination are required to exchange the draft with members to develop mature draft
	1.4	Review and endorse the draft by relevant authority	15 Sep 2023 (14 day)	Iran National Civil-Military Cooperation Manual	Iran CAO authority	Military authority	
<b>Key Activity 2</b> Establishment of high-level Civil-Military Aviation Cooperation Policy Board (CMAB)	2.1	Composition of the CMAB	1 Oct 2023 (16 day)	List of members and Chair/Co-Chair of the board	Iran CAO	Military, IAC and Airline (main)	Draft is available in Doc 10088, Appendix E
	2.2	CMAB Objectives and Scope	8 Oct 2023 (7 day)	Document which has been explained the objectives and scope of the CMAB	Iran CAO	Military, IAC and Airline (main)	Partially available in Doc 10088 Appendix E
	2.3	Terms of Reference (ToR)	15 Nov 2023 (7 day)	Document which has been explained the ToR of the CMAB	Iran CAO	Military, IAC and Airline (main)	Draft is available in Doc 10088, Appendix E
	2.4	Working Procedure	22 Nov 2023 (7 day)	Document which has been explained the Working Procedure of the CMAB	Iran CAO	Military, IAC and Airline (main)	

Key Activities	Action		Target date	Deliverable	Champion	Supported by	Status / RMK
	No.	Description					
	2.5	Endorsement of Composition, Objectives and Scope, Term of Reference, and Working Procedure	2 Jan 2024 (40 day)	Document which has been endorsed by both Ministry of Transportation and Military which is contained Composition, Objectives and Scope, ToR and Working Procedure	Ministry of Transportation Ministry of Military	Iran CAO and Military	
	2.6	Preparation of agenda for first CMAB meeting	9 Jan 2024 (7 day)	List of agenda items should be discussed at the first meeting (establishment of CAOM and etc.)	Iran CAO	Military, IAC and Airline (main)	Draft is available in Doc 10088, Appendix D
<b>Key Activity 3</b> Establishment of Committee for Airspace Organization and Management (CAOM)	6.1.	Composition of the CAOM	16 Jan 2024 (7 day)	List of members and Chair of the board	Iran CAO	Military and IAC	Draft is available in Doc 10088, Appendix F
	6.2.	CAOM Objectives and Scope	23 Jan 2024 (7 day)	Document which has been explained the objectives and scope of the CAOM	Iran CAO	Military and IAC	Partially available in Doc 10088 Appendix F
	6.3.	Terms of Reference (ToR)	30 Jan 2024 (7 day)	Document which has been explained the ToR of the CAOM	Iran CAO	Military and IAC	Draft is available in Doc 10088, Appendix F
	6.4.	Working Procedure	7 Feb 2024 (7 day)	Document which has been explained the Working Procedure of the CAOM	Iran CAO	Military and IAC	

Key Activities	Action		Target date	Deliverable	Champion	Supported by	Status / RMK
	No.	Description					
	6.5.	Endorsement of Composition, Objectives and Scope, Term of Reference, and Working Procedure	9 March 2024 (30 day)	Document which has been endorsed by both Ministry of Transportation and Military which is contained Composition, Objectives and Scope, ToR and Working Procedure	Iran CAO	Military and IAC	
	6.6.	Preparation of agenda for first CAOM meeting	16 March 2024 (7 day)	List of agenda items should be discussed at the first meeting (establishment of AMC etc.)	Iran CAO	Military and IAC	
<b>Key Activity 4</b> Establishment of Airspace Management Cell (AMC)	4.1.	Composition of the AMC	23 March 2024 (7 day)	List of members and Chair of the board	Iran CAO	Military and IAC	
	4.2.	AMC Objectives and Scope	30 March 2024 (7 day)	Document which has been explained the objectives and scope of the AMC	Iran CAO	Military and IAC	
	4.3.	Terms of Reference (ToR)	15 Apr 2024 (15 day)	Document which has been explained the ToR of the AMC	Iran CAO	Military and IAC	
	4.4.	Working Procedure	30 Apr 2024 (15 day)	Document which has been explained the Working Procedure of the AMC	Iran CAO	Military and IAC	
	4.5.	Endorsement of Composition, Objectives and Scope, Term of Reference, and Working Procedure	30 May 2024 (30 day)	Document which has been endorsed by both Ministry of	Iran CAO	Military and IAC	

Key Activities	Action		Target date	Deliverable	Champion	Supported by	Status / RMK
	No.	Description					
				Transportation and Military which is contained Composition, Objectives and Scope, ToR and Working Procedure			
<b>Key Activity 5</b> Implementation of Flexible Use of Airspace (FUA)	5.1	Composition of the Working Group under CAOM	1 April 2024 (7 day)	List of members and Chair of the WG	Iran CAO	Military and IAC	
	5.2	Terms of Reference (ToR)	15 April 2024 (7 day)	Document which has been explained the ToR of the WG	Iran CAO	Military and IAC	
	5.3	Development of FUA manual	30 May 2024 (45 day)	FUA Manual	Iran CAO	Military and IAC	Framework is available in Doc 10088, Appendix G Further guideline available in ICAO MID Doc 004.
	5.4	Development of FUA components	30 June 2024 (30 day)	Establishment the required volume of airspace such as TRA, CDR etc. and procedures like DAP etc.	Iran CAO	Military and IAC	
<b>Key Activity 6</b> Implementation of Free Route Airspace (FRA)	6.1	Composition of the Working Group under CAOM	7 July 2024 (7 days)	List of members and Chair of the WG	Iran CAO	Military and IAC	
	6.2	Terms of Reference (ToR)	15 July 2024 (7 days)	Document which has been explained the ToR of the WG	Iran CAO	Military and IAC	
	6.3	Development of FRA manual	30 August 2024 (45 days)	FUA Manual	Iran CAO	Military and IAC	Guideline available in ICAO MID Doc 004.

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Key Activities	Action		Target date	Deliverable	Champion	Supported by	Status / RMK
	No.	Description					
	6.4	Development of FRA components	30 Sep 2024 (30 day)	Establishment required volume of airspace and procedures	Iran CAO	Military and IAC	
<b>Key Activity 7</b> Training and raising awareness related to CMC	7.1	Visits to State that Implemented ASM concept component.	23 March 2024	Experience for ASM Specialist	Iran CAO	Military and IAC	
	7.2	Organizing an ASM Workshop	1 April 2024	ASM Workshop	Iran CAO	Military and IAC	
	7.3	Organizing ATFM Workshop/Training/webinars Awareness Courses: - ASM structure - Flexible Use of Airspace - Free Route Airspace	7 July 2024	Training Awareness/Courses	Iran CAO	Military and IAC	

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