



INTERNATIONAL CIVIL AVIATION ORGANIZATION

MIDDLE EAST OFFICE

SEVENTH MEETING OF THE FIFA WORLD CUP 2022 TASK FORCE

(FWC2022 TF/7)

(Doha, Qatar, 21 – 22 September 2022)

SUMMARY OF DISCUSSIONS

1. PLACE AND DURATION

1.1 The Seventh meeting of the FIFA World Cup 2022 Task Force (FWC2022 TF/7) was kindly hosted by Qatar Civil Aviation Authority (QCAA) at Qatar Air Traffic Control Centre (QATCC), Doha, Qatar, on 21 and 22 September 2022.

2. OPENING

2.1 The meeting was opened by Mr. Ahmed Al-Eshaq, Air Navigation Director, Qatar Civil Aviation Authority who welcomed all participants to Doha. In his opening remarks, Mr. Al-Eshaq commended the States' collaborative efforts during the last period, which enabled Qatar to draft FWC 2022 agreements, and hoped that the States might finalize and sign the agreements during this meeting. In his opening remarks, Mr. Mohamed Smaoui, Deputy Regional Director, ICAO Middle East Office, recalled the main tasks assigned to the FWC2022 Task Force, and highlighted the remaining time for the start of the event FWC2022 and the need to ensure that all the Action Plan items are in place in this wrap-up meeting. Mr. Smaoui extended special thanks to the air navigation team in QCAA for the preparation and facilitation of the meeting and for the excellent hospitality extended to the ICAO staff and all participants. He highlighted that QCAA's support to the ICAO MID Regional Office activities is evidence of its active role and reflects Qatar's commitment to enhancing the overall safety and efficiency of air navigation in the Region. He thanked all the participants for their attendance and wished the meeting every success in its deliberations.

3. ATTENDANCE

3.1 The meeting was attended by a total of sixty-three (63) participants from ten (10) States (Bahrain, Iran, Iraq, Jordan, Libya, Oman, Qatar, Saudi Arabia, UAE and Yemen) and two (2) International Organizations (IFATCA and IATA). The list of participants is at **Attachment A**.

4. OFFICERS AND SECRETARIAT

4.1 The FWC2022 TF/7 meeting was chaired by Mr. Mohammed Almuhamadi, Head of ATC Training, Qatar Civil Aviation Authority (QCAA). Mr. Almuhamadi extended appreciation to all participants for accepting the invitation to participate in the meetings actively and share their experiences and views, which would support the achievement of the objectives of the FWC2022 TF.

4.2 Mr. Ahmad Amireh, Regional Officer, Air Traffic Management and Search and Rescue (RO/ATM/SAR), MID Regional Office, was the Secretariat of the meeting. The meeting was supported by Mr. Mohamed Smaoui, Deputy Regional Director. Ms. Dina El Karimy provided the Technical Assistance.

5. DISCUSSIONS

AGENDA ITEM 1: ADOPTION OF THE PROVISIONAL AGENDA

5.1 The meeting adopted the following Agenda:

Agenda Item 1: Adoption of the Provisional Agenda

Agenda Item 2: FWC Regional Framework and Action Plan

- Update from Qatar
- Review and wrap-up FWC 2022 Roadmap and Operational Plan
- Airspace implementations to support FWC 2022 Traffic flow in the Region
- Update FWC 2022 Action Plan

Agenda Item 3: Future Work Programme

Agenda Item 4: Any other Business

5.2 The documentation and presentations delivered during the meeting are available on the ICAO MID Office website at: <https://www.icao.int/MID/Pages/2022/FWC2022%20TF7.aspx>

AGENDA ITEM 2: FWC REGIONAL FRAMEWORK AND ACTION PLAN

5.3 The meeting recalled the history of the establishment of the FWC 2022 Task Force and the progress made during its previous meetings, in addition to the related MIDANPIRG outcomes related to the TF.

Update from Qatar

5.4 The subject was addressed in PPT/2, presented by Qatar, showing the progress made on the ground for the preparation of the event, including updated tournament facts: Stadiums, spectators and forecasted figures of flight movements, and the plan to utilize the three available runways within Hamad and Doha Airports, and other infrastructure development plan.

Airspace Management to support FWC2022 Traffic Flow within Qatar (Flight Procedures)

5.5 The subject was addressed in PPT/3, presented by Qatar.

5.6 The meeting was apprised of the traffic volumes anticipated by Qatar; daily average of 1000 flights, which could reach up to 1600 Flights in peak periods. Additionally, the implementation of new Terminal Procedures (SIDs and STARs) retaining the current entry/exit points and segregated parallel approaches at Hamad Airport, which has significantly increased the capacity effective 8 September 2022.

5.7 The meeting noted the list of QCAA proposals for the enhancement of the interfaces with the adjacent States/ANSPs which could be implemented on permanent or temporary basis during the event, including close coordination with neighbouring States via regular briefing on daily plans, Airborne holding fixes outside Doha TMA for contingencies, traffic exchange arrangements, destination alternate and Drop – Go policies.

5.8 The meeting noted with concern the lack of accurate/updated forecasted traffic data and urged Qatar to provide, as soon as possible, revised forecasted traffic data to support proactive airspace planning and coordination.

Airspace Management to support FWC2022 Traffic Flow within Qatar (FWC2022 ATFM)

5.9 The subject was addressed in PPT/4, presented by Qatar.

5.10 The meeting was apprised of the developments on the FWC2022 implementation within Doha. The meeting noted with appreciation the training facilitated by ICAO MID Office delivered by Qatar to the stakeholders, including 70 participants from 10 States and many other participants from Qatar, using Qatar ATFM Web-Portal, in March 2022. In addition, the training facilitated by IATA AME was delivered to 195 participants from 36 Air operators based in 28 Countries operating to/from OTBD and OTHH.

5.11 The meeting was provided with an update on the establishment of Doha ATFM Unit, which started operations on 8 September 2022. Daily conferences are conducted at 0800 UTC, to develop and share the ADP before 1000 UTC. The meeting invited the States/ANSPs and Airspace users to join the daily conference by contacting the Doha ATFM Unit doha.atfm@caa.gov.qa; Contact Number: +974 4470 5431.

Airport Slot Management and A-CDM implementation within Doha

5.12 The subject was addressed in PPT/5 and PPT/16, presented by Qatar Company for Airport Operation and Management (MATAR), and QCAA, respectively.

5.13 The meeting noted the arrangement made by the airport to manage the slot allocation and the relation with the ATFM measures implemented.

5.14 The meeting was apprised of the expected passenger volumes, the distribution of traffic and the L-3 measure that will be effective during the period: 30 November to 25 December 2022.

Airspace Implementations to support FWC 2022 Traffic Flow in the Region

5.15 The subject was addressed in PPTs/11-15, presented by Jordan, Saudi Arabia, Iraq, UAE and Bahrain, respectively.

5.16 The meeting noted with appreciation the developments from Bahrain, Baghdad Amman, Jeddah, and Emirates FIRs, which will support the smooth and safe management of the FWC 2022 traffic flows.

5.17 The meeting was apprised of the following Airspace enhancement projects:

- Forecasted traffic VS available capacity analysis.
- The segregation of traffic flow on the interface between Amman and Jeddah FIRs.
- The alleviation of level and time restrictions during FWC 2022 between Amman and Tel-Aviv FIRs.
- The implementation of RNAV1 and Conditional ATS routes within Jeddah FIR and the savings provided by the implementation which exceeded 5500KG of emissions.
- The establishment of Dammam dynamic sectors and Al-Ahsa CTR, to enhance the accessibility.
- The routes enhancements and dynamic sectorization within Baghdad FIR, and the implementation of AMHS and OLDI.
- The establishment of the national ATFM TF within GCAA/UAE, to support the FWC2022 operations, and the establishment of enroute holdings for traffic bound to Doha TMA in addition to the reduction of longitudinal separation to 8NM, and the leading role of UAE in regional coordination, which led to the availability of parking stands and UAE Airport to support FWC operations.

5.18 Bahrain elaborated on the existing arrangement under the current BAH-DOH LoA “effective 6 Oct 2022”, a considerable and proven flexibility and predictability for the expected fluctuations of FWC 2022 traffic volumes in terms of departure/ arrival capacity rates per hour. And underlined considerations factor for an affective ATFM implementation during the event.

Bi-lateral coordination meetings

5.19 The meeting was apprised of the outcomes of the bi-lateral meetings which took place on the side of FWC 2022 TF/7 meeting, between Qatar and: Bahrain, Oman, Saudi Arabia and UAE to discuss the FWC 2022 arrangements and to finalize the temporary LoAs. The meeting encouraged the concerned States to finalize and sign the LoAs by mid-October 2022.

Daily Coordination Calls during the FWC 2022 Event

5.20 The meeting appreciated the willingness of the MID States to participate in the daily coordination calls, which will be organized by Qatar during the FWC 2022 event.

Flight Planning System Capabilities and IATA/Airspace Users' Perspective

5.21 The subject was addressed in PPT/6 and PPT/7, presented by IATA and Airspace users on the capabilities of the Flight Planning Systems utilized by all airlines for their daily flight planning, emphasizing the need for accurate, concise, timely 'static' and 'dynamic' aeronautical data including any pre tactical AT(F)M measures (RAD, ToS, LoA) required for manipulating traffic flows for the purposes of demand, complexity, and capacity balancing. The presentation demonstrated how the flight planning system capabilities with the correct information could support effective regional predictability AT(F)M to support safe and efficient operations during the event.

5.22 IATA provided a short brief on the ATM Coordination Platform to be introduced to support the collaboration and information sharing between States/ANSPs and airspace users. States/ANSPs were invited to participate and provide a primary point of contact.

5.23 IATA AME will organize Airspace users' periodic meetings, during the FWC 2022 event.

Update FWC2022 Action Plan

5.24 The meeting reviewed and updated the FWC2022 Action Plan and Checklist, as at **Appendices A** and **B**, respectively.

FWC2022 Focal Points

5.25 A list of Focal Points was developed to participate in the daily coordination calls organized by Qatar, as at **Appendix C**.

5.26 The meeting agreed to establish the FWC2022 Core Team to facilitate coordination further and sharing of information during the tournament. It was underlined that the designated focal points should be available on call for the coordination of urgent matters.

5.27 The FWC2022 Core Team is composed of the following States: Bahrain, Iran, Iraq, Jordan, Kuwait, Oman, Qatar, Saudi Arabia and UAE. Qatar will organize daily ATFM conference calls. States and ANSPs are invited to participate and share/disseminate the operational information.

AGENDA ITEM 3: FUTURE WORK PROGRAMME

5.28 The meeting agreed that the FWC2022 TF/8 and last meeting be held back to back with the ATFM Task Force/7 during 2023 to conduct an assessment/post-implementation review and evaluation of the successes, shortfalls and lessons learned for similar future events.

AGENDA ITEM 4: ANY OTHER BUSINESS

5.29 Nothing has been discussed under this Agenda Item.

6. CLOSING

6.1 In closing, the Chairperson thanked the participants for their presence and excellent cooperation and contribution to the meeting.

6.2 The participants thanked ICAO for organizing such a fruitful meeting as well as Qatar QCAA for hosting, and commended the regional efforts exerted to ensure that the MID Region is ready to manage the traffic flow in a safe and efficient manner during major events.

APPENDICES

FWC2022 ACTION PLAN

ACTION		Target date	Deliverable	Champion	Supported by	Status / remarks
No.	Description					
1.	Prepare a working paper on the outcome of the FWC2022 to MIDANPIRG/17	30 Mar 2019	WP to MIDANPIRG Combined with ATFM WP	Secretariat	Chairman	Completed
2.	Task the MIDRMA to carry out an airspace assessment for the MID Region based on the anticipated traffic flow during the FWC2022	18 Apr 2019	MIDANPIRG Conclusion 17/24	MIDANPIRG	ICAO MID	Completed
3.	Initial FWC2022 Roadmap and Operation plan principles to be presented on FWC2022 TF/4 meeting	22 Sep 2020		Qatar		Completed
4.	Airspace assessment study and tool developer meeting to review the offer and agree on the details	1 Oct 2020	Detailed requirements, deliverables and timelines. Legal and financial responsibilities	Qatar, MIDRMA	ICAO MID	Completed
5.	Provide the forecasted FWC2022 FPL/Traffic data to the MIDRMA using the Traffic Data Sample template	15 Mar 2021	Forecasted FWC2022 FPL/Traffic data for at least 10 days	Qatar	MIDRMA	Completed
6.	Assess the potential impact on traffic flows within the RVSM Airspace based on the projected Traffic Data and projected LHD reports	23 Mar 2021	FWC2022 RVSM Airspace assessment	MIDRMA	Qatar	Completed
7.	Present the results of the airspace assessment to the FWC2022 TF/5 meeting	23 – 24 Mar 2021	WP/PPT	MIDRMA	ICAO MID	Completed
8.	Prepare an initial FWC2022 Roadmap and Operational Plan to be shared with ATFM Core Team that includes all required procedures, action plan, contingency measures, etc.	31 Oct 2020	Initial FWC2022 Roadmap and Operational Plan	Qatar	Core team	Completed
9.	draft FWC2022 Roadmap and Operational Plan to be presented to the FWC2022 TF/5 meeting	23 – 24 Mar 2021	WP/PPT Draft FWC2022 Roadmap and Operational Plan	FWC2022 Chairman		Completed

10.	Enhance the draft FWC2022 Roadmap and Operational Plan to be reviewed by ATM SG/7	15 Dec 2021	Enhanced the draft FWC2022 Roadmap and Operational Plan	Core Team	Qatar	Completed
11.	Present FWC2022 Roadmap, Operational Plan and Airspace structure assessment to MIDANPIRG/19	Feb 2022	WP	Chairman	ICAO MID	Completed
12.	Implementation of FWC 2022 Roadmap and Operational Plan (checklist)	Q3 2022	List of Activities: -Airspace management -ATFM Implementation -Temporary LoAs -Users consultancy	FWC TF Chair	ICAO MID	On going
13.	Trial period	Q3 2022	Training and experimental period	Qatar	ICAO MID	On going
14.	Wrap up and evaluation	FWC TF/7 Sep 2022	Operational evaluation and assessment	Doha, Qatar	ICAO MID MID States	Completed
15.	Conduct familiarization visit(s) to State(s) or Organizations that would be managing major events	Continues	Familiarization visit(s) webinar(s)	Qatar and Members of FWC2022 TF, as required	FAA EUROCONTROL CANSO AEROTHAI	Completed
16.	Post implementation and closing	Q2 2023	Lessons learned, Best practices and post implementation reporting	ICAO MID	MID States and Airspace users	

FWC 2022 Operational Plan and Road Map, Checklist

	Key Activity	Rationale / Sub activates	Champion / Support	Target Effective Date	Status	Effective Date
1	Airspace management:					
	1.1 Temporary Doha TMA Terminal flight procedures	Accommodate the demand	Qatar	Cycle Jun 2022	Completed	8 Sep 2022
	1.2 CMC/FUA implementations within Qatar	Increase Airspace capacity	Qatar	July 2022	Completed	Aug 2022
	1.3 Saudi Arabia implementations:	-Routing -Hasa Airport accessibility -Routing options	Saudi Arabia	Cycle 10 (6 Oct 2022)	Completed	6 Oct 2022
	1.4 Egypt	-ATS routes	Egypt	TBD by Cycle 10	Completed	8 Sep 2022
	1.5 Kuwait (Parallel routes)	- Establishment of 4 RNAV1 ATS Routes	Kuwait / MIDFPP	TBD	On going	TBD
2	ATFM Implementation:					
	2.1 Development of FWC 2022 CONOPS	Principles of ATFM implementations	Qatar	April 2022	Completed	8 Sep 2022
	2.2 Deployment of the ATFM system/tools	Automated web-based tool to assess demand and measures	Qatar	April 2022	Completed	8 Sep 2022
	2.3 General ATFM tool Training (Harmony)	All States are encouraged to participate	Qatar, All MID States	Mar 2022	Completed	Pre-requests of the attendees
	2.4 Advanced ATFM Tool Training (Harmony)	Interested States	Qatar, interested States	Q3 2022	not required	
3	Coordination and conference call					
	3.1 Designation of FWC of Focal Points	to ensure smooth coordination	MID States	22 Sep 2022	Completed	
	3.2 Sharing and exchanging operational information	Exchange operational data	Qatar and MID States	1 Nov – 31 Dec 2022	On going	
4	Temporary LoAs amendment:					
	4.1 Coordination meeting(s)	To agree on the different amendments	Qatar adjacent States	1. MIDANPIRG/19 2. One-to-one meeting	Completed	

				(virtually)		
4.2 FWC Temporary LoAs / Working arrangements	Signature of LoAs	Qatar and:				
		• Bahrain	mid of October 2022	Discussion is going on for the finalization and signature of LoA		
		• Iran	mid of October 2022	Discussion is going on for the finalization and signature of LoA		
		• Oman	mid of October 2022	Final draft of FWC Temporary LoA agreed upon		
		• Saudi Arabia	mid of October 2022	Final draft of FWC working arrangement related to FWC ATFM agreed upon		
		• UAE	mid of October 2022	Discussion is going on for the finalization and signature of LoA		
5 Airspace users:						
5.1 IATA MENA RCG briefing	Airspace users briefing	IATA, TF Chairman, Qatar team	1 – 2 Mar 2022 10 Aug 2022 28 – 29 Sep 2022	Completed Completed Completed		
5.2 ATFM data requirements	Exchange of operational data	IATA, Airspace users	Coordination meeting	On going		
6 Trial and evaluation period:						
6.1 Dry run	Simulation sessions	Qatar, MID States	July 2022	Started national level		
6.2 Evaluation and reporting	Identify shortages	ICAO MID MID States	FWC TF/8 Q1 2023			

FWC 2022 MID STATES AND ANSPs Focal Points List

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ATTACHMENT A



LIST OF PARTICIPANTS

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YEMEN	Mr.	Mahmood Mohamed Abdul Razak	Director General of Air Navigation Consultant	CAMA
	Mr.	Younis Saeed Ahmed Al-Khader	Director General of Air Navigation	CAMA
IATA	Mrs.	Lindi-Lee Kirkman	Manager Safety & Flight Operations – ATM & Infrastructure	International Air transport Association (IATA)
	Mr.	Noel John Dike	Manager ATM (Acting)	Qatar Airways
	Ms.	Sharron Caunt	Regional Director Safety and Flight Operations Africa and Middle East	International Air transport Association (IATA)
IFATCA	Mr.	Fateh Bekhti	Executive Vice President IFATCA AFM	IFATCA International Federation of Air Traffic Controllers' Associations
ICAO MID	Mr.	Mohamed Smaoui	Deputy Regional Director (DRD)	ICAO Middle East Regional Office
	Mr.	Ahmad Amireh	Regional Officer, Air Traffic Management and Search and Rescue (RO/ATM/SAR)	ICAO Middle East Regional Office
	Ms.	Dina El karimy	Technical Assistant (ATM/SAR & ASF)	ICAO Middle East Regional Office

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