



INTERNATIONAL CIVIL AVIATION ORGANIZATION

MIDDLE EAST OFFICE

FOURTH MEETING OF THE MIDANPIRG FIFA WORLD CUP 2022 TASK FORCE

(FWC2022 TF/4) Virtual Meeting

(22 – 23 September 2020)

SUMMARY OF DISCUSSIONS

1. PLACE AND DURATION

1.1 The Fourth meeting of the FIFA World Cup 2022 Task Force (FWC2022 TF/4) was held virtually, from 22 to 23 September 2020, using MS Teams.

2. OPENING

2.1 The meeting was opened by Mr. Mohamed Smaoui, ICAO Acting Regional Director, Middle East Office, who welcomed all the participants. Mr. Smaoui recalled the main tasks assigned to the FWC2022 Task Force, and highlighted the time constraints related to FWC2022 Plan of Actions and the need to expedite the progress related to the action items. 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 fifty-eight (58) participants from ten (10) States (Bahrain, Egypt, Jordan, Kuwait, Oman, Qatar, Saudi Arabia, Sudan, UAE and USA/FAA) and seven (7) International Organizations (ACAO, AEROTHAI, Boeing, CANSO, EUROCONTROL, IATA and MIDRMA). The list of participants is at **Attachment 1**.

4. OFFICERS AND SECRETARIAT

4.1 The FWC2022 TF/4 meeting was chaired by Mr. Mohammed Almuhamadi, Head of Doha Tower Unit, Qatar Civil Aviation Authority (QCAA), who was nominated by Qatar and unanimously elected as Chairperson of FWC2022 TF. Mr. Almuhamadi thanked Capt. Abdulrahman Al-Hammadi for the efforts and wished him best of luck on his new role and extended appreciation to all participants for accepting the invitation to actively participate in the meetings and share their experiences and views, which would support the achievement of the objectives of FWC2022 TF.

4.1 Mr. Ahmad Amireh, Regional Officer, Air Traffic Management and Search and Rescue (RO/ATM/SAR) ICAO MID Office, was the Secretary of the meeting.

5. DISCUSSIONS

AGENDA ITEM 1: ADOPTION OF THE PROVISIONAL AGENDA AND ELECTION OF CHAIRPERSON

5.1 The meeting adopted the following Agenda:

- Agenda Item 1: Adoption of the Provisional Agenda and Election of Chairperson
- Agenda Item 2: Regional FWC2022 TF Framework and Plan of Actions
- 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/2020/ATFM%20TF4-FWC2022%20TF4.aspx>.

AGENDA ITEM 2: REGIONAL FWC2022 TF FRAMEWORK AND PLAN OF ACTIONS

5.3 The meeting noted that during the MSG/7 virtual meeting, 1 – 3 September 2020, the MIDRMA re-iterated that the expertise and the tools available within the MIDRMA were established to carry out the required assessment for the RVSM Airspace (FL290 - FL410) using the MID Risk Analysis Software (MIDRAS). However, to assess the airspace beyond RVSM airspace, changes should be

introduced to the MIDRAS. The meeting recalled that the MIDRMA Board/16 meeting, 14 – 16 January 2020, agreed that the MIDRMA to check with the MIDRAS supplier and provide feedback on the cost to upgrade the Software to cover the airspace from FL150 to FL490.

5.4 The meeting recalled the items of the FWC2022 Plan of Actions pertaining to the provision of forecasted FPL/Traffic data during the event period (Nov – Dec 2022) to the MIDRMA to develop the airspace structure assessment during the event, and the required Roadmap and Operation Plan to be developed by Qatar.

Update by Qatar

5.5 The subject was addressed in PPT/2B, presented by Qatar, showing the progress made on the ground for the preparation of the event, including the Airports terminal expansions, Stadiums completion and Road/Metro developments and the expected passengers' movement growth during the event. In addition, Qatar informed the meeting about the developments pertaining to airspace related services and tools, including TMA re-design, CDRs, CMC and FUA principles, upgrades of ATC systems, tools and procedures, Capacity studies and Airspace structure assessment (to be provided by MIDRMA), ATFM introduction, Slot coordination and contingency system upgrades.

Review Action Plan Items: MIDRMA Airspace Assessment and required Tools

5.6 The meeting noted that the MIDRMA had been in contact with the MIDRAS developer/vendor for the past 8 months, to try to have a clear and common understanding of what is required and the associated modifications on the MIDRAS. The meeting was informed that an offer was received from the vendor, including technical and financial details; and this would be provided to Qatar for review and agreement on the way forward.

5.7 A side meeting between Qatar, the MIDRMA and the ICAO MID Office was held virtually on 23 September 2022 before the second session of the FWC2022 TF/4 meeting. The side meeting reviewed the offer, and agreed to schedule a meeting with the developer/vendor by 1 October 2020, for further elaboration on the detailed requirements by Qatar and the required deliverables and timelines, as well as the legal and financial agreements/arrangements details.

5.8 It was highlighted that the MIDRMA would act as an advisor/mediator between Qatar and the developer to assist Qatar in the technical aspects related to developing the software and populating the data.

5.9 The meeting noted that the MIDRMA received an initial set of forecasted FPL/Traffic data from Qatar. However, the received data still needs corrections to be acceptable by the analysis software and it is required to deliver at least 10 days sample period of forecasted traffic to ensure high representativeness. The MIDRMA will complement the FWC2022 forecasted FPL/Traffic with the region traffic (with expected growth rate) to develop the airspace structure assessment in RVSM layer.

FWC2022 Roadmap and Operation Plan

5.10 Qatar Action Plan Items was addressed in PPT/2E, presented by Qatar, mainly related to the current status of development of the FWC2022 Roadmap and Operation Plan. The Presentation elaborated the principles upon which the ATFM/CDM would be implemented during the event, and the implementation plan items, along with timelines schedule.

5.11 The meeting noted that Qatar will develop a more detailed draft of the FWC2022 Roadmap and Operation Plan (which covers all required procedures, action plan, contingency measures) and present it to the ATM SG/6 meeting (9 – 12 Nov 2020) in order to be reviewed and finalized in a timely manner.

FWC2022 Action Plan

5.12 The meeting reviewed and updated the FWC2022 Plan of Actions as at **Appendix A**.

AGENDA ITEM 5: FUTURE WORK PROGRAMME

5.13 The meeting agreed that a follow-up meeting would be conducted on 29 October 2020, to follow-up on the Airspace assessment study and tool and the decision with regard to the upgrade of the MIDRAS or development of a dedicated software (developed using the MIDRAS).

5.14 Considering the unpredictable developments related to COVID-19, the meeting agreed that the FWC2022 TF/5 meeting will be held virtually during Q2-2021. The exact date will be coordinated between the ICAO MID Office and the Chairman of the Task Force.

AGENDA ITEM 6: ANY OTHER BUSINESS

5.15 Nothing has been discussed under this Agenda Item.

FWC2022 PLAN OF ACTIONS

| 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 | MIDANPIRG | ICAO MID | Completed Conclusion 17/24 |
| 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 Oct 2020 | Forecasted FWC2022 FPL/Traffic data for at least 10 days | Qatar | MIDRMA | On-going |
| 6. | Assess the potential impact on traffic flows within the RVSM Airspace based on the projected Traffic Data using the current MIDRMA tool capabilities | 29 Oct 2020 | FWC2022 RVSM Airspace assessment | MIDRMA | Qatar | Not started |
| 7. | Follow up meeting regarding the developer offer for beyond RVSM Airspace Assessment | TBD | Final decision for Airspace assessment study and tool offer | Qatar | MIDRMA, ICAO MID | |
| 8. | Present Qatar decision to MIDRMA board meeting, to agree on financial and legal agreements / arrangements | Nov 2020 | Conclusion related to the contract (Developer – MIDRMA – Qatar) | Chairman | MIDRMA | Depending on item #7 Qatar decision |
| 9. | Assess the potential impact on traffic flows beyond the RVSM Airspace based on the projected Traffic Data using the developed MIDRMA tool capabilities | Start: TBD Delivery: 6 months period | FWC2022 beyond RVSM Airspace assessment results | MIDRMA | | Depending on item #7 Qatar decision Dates are as in the current Offer |

| Action | | Target date | Deliverable | Champion | Supported by | Status / remarks |
|--------|---|-----------------|---|--|---|------------------|
| No. | Description | | | | | |
| 10. | Present the results of the airspace assessment to the FWC2022 TF/5 meeting | Q2 2020 | WP/PPT | MIDRMA | ICAO MID | |
| 11. | 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 | |
| 12. | draft FWC2022 Roadmap and Operational Plan to be presented to the ATM SG/6 meeting | 9 - 12 Nov 2020 | WP/PPT Draft FWC2022 Roadmap and Operational Plan | FWC2022 Chairman | | |
| 13. | Enhance the draft FWC2022 Roadmap and Operational Plan | 15 Dec 2020 | Enhanced the draft FWC2022 Roadmap and Operational Plan | Core Team | | |
| 14. | Present FWC2022 Roadmap and Operational Plan and progress on Airspace structure assessment to MIDANPIRG/18 | Feb 2021 | WP | Chairman | ICAO | |
| 15. | Present the final FWC2022 final Roadmap and Operational Plan and airspace structure assessment to MIDANPIRG/19 meeting | Feb 2022 | | | | |
| 16. | Conduct familiarization visit(s) to State(s) or Organizations that would be managing major events | TBD | Familiarization visit(s) | Qatar and Members of FWC2022 TF, as required | FAA EUROCONT ROL CANSO AEROTHAI | |



LIST OF PARTICIPANTS

| State | Name | Title |
|----------------|----------------------------------|---|
| BAHRAIN | Mr. Abdulla Hasan Al Qadhi | Chief, Aeronautical Information Management & Airspace Planning |
| EGYPT | Mr. Amr Ibrahim Abdel Latiff | ANS Inspector |
| | Mr. Yasser Mohamaden Hafez | G.M of Cairo ATC |
| | Mr. Khaled Abdelbaky Yassin | ATFM Specialist at ATFM Directorate |
| | Mr. Mohamed Abdelfattah Mostafa | ATFM Specialist at ATFM Directorate |
| | Mr. Mostafa M. Assem Mostafa | R&D specialist at R&D Directorate |
| | Ms. Asmaa Ahmed Attia Al Khsousy | ATCO - R&D specialist at R&D Directorate (NANSC) |
| JORDAN | Mr. Khaled Arabiyat | Director, Legal Affairs Directorate & Air Traffic Management (ATM) |
| | Mr. Tamer Alnabelsi | ATM Specialist (ATM Division) |
| | Ms. Narman As'ad | Acting Chief Of ATM Training Division |
| | Mr. Nart Omar Bzadogh | Acting Director / Quality & Safety Management System –ANSP |
| | Mr. Ali Taleb | Acting chief of Amman Terminal Area Control Center Queen Alia International Airport |
| | Mr. Marwan Al-Masri | Air Traffic Control Officer ATCO Jordan MIDRMA Focal Point Amman Terminal Area Control Center |
| | Mr. Mohammad Douqa | Air Traffic Control Officer ATCO Amman Terminal Area Control Center |
| KUWAIT | Mr. Tareq F. Alghareeb | Head of Radar Operations |
| OMAN | Mr. Nasser Salim Al-Mazroui | Act. Director Air Traffic Control |
| | Mr. Abdullah Said Al-Hasani | Standard Officer – ATFM |
| | Mr. Ahmed Mohammed Al Hinai | Standard Officer – ATM Specialist |
| | Mr. Hamood Salim Al-Zakwani | Standard Officer – ATC |

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|---------------------|----------------------------------|--|
| | Mr. Khamis Sulaiman Al-Qasmi | ATC Supervisor |
| | Mr. Said Saif Al-Kiyoumi | ATCO - ATM Specialist |
| | Mr. Sulaiman Nasser Al-Salmi | Standard Officer – Airspace |
| | Mr. Yousuf Moosa Al-Raisi | ATC Supervisor – Airspace |
| QATAR | Mr. Saleh Mohammed Alnisf | Head of IMS/Senior ATC |
| | Mr. Mohamed Abdulaziz Almuhamadi | ATC |
| | Mr. Dhiraj Ramdoyal | NCMC/Head ANS Inspectorate/SSP Administrator |
| | Mr. Kevin Cooper | Consultant |
| | Dr. Ramy Saad | ANS Inspector |
| SAUDI ARABIA | Mr. Ahmad Sami Abughallab | Air Traffic Flow Management Section Head |
| | Mr. Abdulrahman Hamed Alamoudi | Air Traffic Flow Management Specialist |
| SUDAN | Mr. Arafat Gasim Elhadi | Air Traffic Controller |
| | Mr. Bakri Husein Mirgani | Air Traffic Controller |
| UAE | Mr. Hamad Rashid Al Belushi | Air Navigation Services Specialist |
| | Mr. Mohammed Khamis Al Baloushi | Senior Research and Dataset officer |
| | Ms. Mariam Shareef Al Hosani | Flight Data Senior Assistant |
| | Mr. Werner Pitz | Head of ANSP Research & Dataset |
| | Mr. Omar Abdouli | Manager ATC |
| | Mr. Rovshan Sultanov | Senior Procedure Design Officer |
| USA/FAA | Ms. Midori Tanino | Global ATM Program Manager ATO International Office - Mission Support |
| | Mr. Travis Fiebelkorn | Senior International ATC Operations Officer Air Traffic Organization, System Operations - Europe, Africa, Middle East Group |
| | Mr. Robert Roxbrough | Regional Attaché – Abu Dhabi Office of International Affairs |

| Org. | Name | Title |
|-------------------------|--------------------------|---|
| ACAO | Mr. Mohamed Rejeb | Air Navigation Safety Expert |
| AEROTHAI | Mr. Piyawut TANTIMEKABUT | Air Traffic Management Network Manager |
| BOEING | Mr. Chuck Taylor | Flight Planning & Dispatch Boeing Global Services |
| CANSO | Mr. Stuart Ratcliffe | CANSO Co-Chair ATFM/A-CDM Work Group Metron Aviation |
| EUROCONTROL | Mr. Keith Crawford | Senior ATFCM Expert |
| IATA SFO AME | Ms. Sharron Caunt | Regional Director Safety & Flight Operations |
| | Ms. Zainab Khudhair | Manager Safety & Flight Operations |
| | Mr. Jehad Faqir | Assistant Director Safety & Flight Operations |
| | Mr. Chris Allan | Technical Consultant – Etihad Airways |
| MIDRMA | Mr. Fareed Al Alawi | MIDRMA Manager |
| | Mr. Fathi Al-thawadi | MIDRMA Officer |
| | Mr. Jo Anthony | Data Analyst |
| ICAO MID | Mr. Mohamed Smaoui | Acting Regional Director (ARD) |
| | Mr. Radhouan Aissaoui | Regional Officer, Information Management (RO/IM) |
| | Mr. Ahmad Amireh | Regional Officer, Air Traffic Management and Search and Rescue (RO/ATM/SAR) |
| | Mr. Ahmad Kavehfirouz | Regional Officer, Air Traffic Management (RO/ATM) |
| | Ms. Dina Elkarimy | Technical Assistant (ATM/SAR/ASF) |