



*International Civil Aviation Organization*

**Middle East Regional Monitoring Agency Board**

**Nineteenth Meeting (MIDRMA Board/19)**  
*(Manama, Bahrain, 10 – 11 October 2023)*

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**Agenda Item 5: RVSM Monitoring and related Technical Issues**

**MID RVSM SAFETY MONITORING ACTIVITIES**

*(Presented by the Secretariat)*

**SUMMARY**

The aim of this paper is to track all the activities related to the MID RVSM Safety Monitoring.

Action by the meeting is at paragraph 3.

**REFERENCES**

- ATM SG/8 (Amman, Jordan, 7 - 10 November 2022) Report
- MIDANPIRG/20 & RASG-MID/10 (Muscat, Oman, 14 – 17 May 2023) Report
- MIDRMA Board/18 (Doha, Qatar, 19 – 20 September 2022) Report

**1. INTRODUCTION**

1.1 The meeting may wish to recall that the duties and responsibilities of the MIDRMA include the development of RVSM Safety Monitoring Reports, with a view to verify that the defined safety levels are continued to be met. In this regard, States are requested to provide required data on a regular basis and in a timely manner to the MIDRMA for the achievement of this task.

1.2 The ATM SG/8 Meeting (Amman, Jordan, 7 - 10 November 2022) was apprised of the outcome of the MIDRMA Board/18 Meeting (Doha, Qatar, 19 – 20 September 2022) and was presented to the MIDANPIRG/20 & RASG-MID/10 Meeting (Muscat, Oman, 14 – 17 May 2023).

**2. DISCUSSION**

***Progress report on the MIDRMA Project***

2.1 The financial situation of the MIDRMA Project was proven to be stable, according to the financial statement for the last three years; considering the State contribution and the funds generated by the GMU Height Monitoring missions conducted by the MIDRMA team, the subject is discussed in detail under Agenda Item 4 of this meeting (WP/4, 5 and 6).

2.2 Additionally, the MIDRMA was requested to present to this meeting a Working Paper for a revised Funding mechanism, based on the agreed criteria, which will further enhance the funding for the MIDRMA and ensure equality of the contribution amount by members.

2.3 However, the introduction of new technologies including the ADS-B Height Monitoring System (WP/11: AHMS) will impact the income generated by the MIDRMA GMU missions.

2.4 Accordingly, the situation was assessed by the MIDRMA Sustainability Action Group for the coming 6 years (WP/5) and found to be sufficient, considering the amount of the reserve fund made available through the last few years.

### ***RVSM Monitoring and related Technical Issues***

2.5 The meeting may wish to recall that MIDANPIRG/20 reviewed the results of SMR2022, and noted with concern that the MID Region failed to meet the Safety Objective No. 2; the meeting noted safety protocol opened between Sana'a and Mogadishu ACCs, in coordination with the AFI RMA (ARMA) and the relevant ICAO Regional Offices. Additionally, the meeting noted the mitigation and corrective measures, included in the SMR2022, taken to avoid similar cases of non-RVSM approved Aircraft intruding the MID RVSM Airspace.

2.6 The MIDRMA developed the preliminary results of the MID RVSM SMR2023 (WP/8), showing the results of the safety level for the RVSM implementation in the MID Region. The MIDRMA continues to face difficulties in receiving a well formatted Traffic Data Sample (TDS) and Large Height Deviation (LHD) reports from the member State, which has an impact on the results of the assessment.

2.7 The meeting may recall the two safety protocols are currently open on the interface of the MID Region and Asia Pacific (APAC) on the east, and with Eastern Southern Africa (ESAF) Region on the west; due to increase number of LHD and violations in the RVSM layer.

2.8 The MID Office jointly organized with the ESAF Office and the relevant RMAs (ARMA - MIDRMA) a coordination meeting for the States near the Horn of Africa (Djibouti, Ethiopia, Oman, Saudi Arabia, Somalia and Yemen) and IATA. The meeting objective was to address ATM issues between the States in the interface area. Also, the meeting provided an opportunity for the participants to review and update the Operational Letter of Agreement (LoA) between ATC units; and other common interest issues. The meeting outcomes were focused on the following:

- a. Enhanced LHD reporting: MIDRMA provided access to the online MID LHD Reporting system to ESAF States on the interface through ARMA, and conducted the required training to enhance the reporting mechanism between States.
- b. Planning to enhanced GND-GND communication of Sana'a ACC and Aden APP with ESAF States.
- c. Updated LoAs with enhanced communication and coordination procedure.
- d. Introduction of MIDFPP services to enhance the ATS Route Structure within Sana'a FIR to reduce complexity.

***Minimum Monitoring Requirements***

2.9 There is a continued increased number of Aircraft registered within the MID Region without complying with the Minimum Monitoring Requirements (MMR).

2.10 The monitoring of the Iranian and Syrian registered Aircraft is subject to approval for using the GMU equipment from the Office of Foreign Assets Control (OFAC), US Treasury Department; in coordination with the FAA, the MIDRMA managed to obtain a waiver for the Syrian Aircraft, valid till end of 2024 (WP/9).

***Implementation of C-DEC225/10***

2.11 The MIDANPIRG assigned a task to the MIDRMA related to the implementation of C – DEC 225/10, to develop RVSM Airspace assessment. The MIDRMA developed a list of requirements for the development of the study (WP/10).

***Use of ADS-B for Height Monitoring System***

2.12 The MIDRMA were tasked to provide ADS-B Height monitoring, an initial study was presented by the MIDRMA to Board/18 meeting, and it was tasked to develop the requirements and implementation plan (WP/11 and WP/12).

***MIDRMA Awareness & Promotion Activities***

2.13 The MIDRMA continued to provide training and awareness to the MID State regarding the current requirements for the development of the Regional Safety Monitoring Report; and the newly introduced technologies implemented by the MIDRMA. including the RVSM Implementation Seminar, Training provided to Qatar before implementation of C-DEC225/10 and training materials made available on the MIDRMA website (WP/13).

**3. ACTION BY THE MEETING**

3.1 The meeting is invited to notice the activities and development under the MIDRMA project.