



International Civil Aviation Organization

Middle East Regional Monitoring Agency Board

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

Agenda Item 5: RVSM Monitoring and related Technical Issues

MIDRMA AWARENESS & PROMOTION ACTIVITIES

(Presented by the MIDRMA)

SUMMARY

This Working Paper highlights the commitment of the Middle East Regional Monitoring Agency (MIDRMA) to enhancing awareness regarding the safety of operations within the RVSM Airspace in the Middle East Region. The proactive approach of the MIDRMA in addressing RVSM safety issues, recommending improvements, and promoting awareness.

Key initiatives include a successful RVSM awareness workshop in Doha, Qatar, collaboration with Member States during monitoring missions, and close cooperation with the International Civil Aviation Organization MID office. These efforts reflect MIDRMA's dedication to ensuring a safer and more efficient RVSM environment in the Middle East.

Action by the meeting is in paragraph 3.

REFERENCES

- MIDRMA Board/18 Doha, Qatar, 19 – 20 September 2022) Report
- MIDANPIRG/20 & RASG-MID/10 (Muscat, Oman, 14 – 17 May 2023) Report

1. INTRODUCTION

1.1 The Middle East Regional Monitoring Agency plays a vital role in ensuring the safety and efficiency of the RVSM airspace operations in the Middle East region. One of MIDRMA's primary safety objectives is to address any safety-related issues concerning Reduced Vertical Separation Minimum operations, as raised in the safety monitoring report. MIDRMA is committed to recommending improved procedures and practices to enhance safety levels within RVSM airspace, with the overarching goal of preventing the increase of identified serious or risk-bearing situations and, where possible, decreasing them.

1.2 The meeting may wish to recall MIDANPIRG Conclusion 20/4 and Conclusion 20/5 emanating from the MIDRMA Board/18 meeting:

MIDANPIRG CONCLUSION 20/4: AWARENESS AND TRAINING ON RVSM SAFETY ASSESSMENT

That, with a view to raise the awareness related to the requirements for sustained RVSM safety monitoring activities and improve the knowledge of the States' regulators, MIDRMA Focal Points, ATC and Air Operators personnel:

- a) the MIDRMA include in its work programme regular missions to the Member States, during which briefings on the MIDRMA activities and RVSM safety monitoring requirements be provided to concerned personnel;*
- b) for improved effectiveness, the MIDRMA visit to a State be conducted, to the extent possible, back-to-back with the GMU height monitoring mission(s) related to the air operator(s) based in this State; and*
- c) MIDRMA to issue on regular basis flyers and newsletters addressing trending and emerging challenges related to RVSM safety monitoring.*

And

MIDANPIRG CONCLUSION 20/5: MID RVSM SAFETY ASSESSMENT SEMINAR

That, with a view to raise awareness related to the requirements for sustained RVSM safety monitoring and improve the knowledge of all involved parties, in particular with respect to the Vertical Collision Risk Methodology and Altimetry System Errors, the MIDRMA, in coordination with ICAO, organize a MID RVSM Safety Assessment Seminar, in 2023.

2. DISCUSSION

2.1 The dedication of the MIDRMA to enhance RVSM safety in the Middle East region is evident through various initiatives and collaborative efforts. This section highlights some of MIDRMA's recent endeavors in promoting RVSM safety awareness and ensuring compliance with safety standards.

1. RVSM Awareness Workshop in Doha, Qatar (04 Feb 2023)

MIDRMA conducted an awareness workshop in Doha, Qatar, on February 4, 2023. This workshop was a significant success, drawing participation from a substantial number of Qatar's Air Traffic Control Officers (ATCOs), Communication, Navigation, and Surveillance (CNS) engineers, and Airworthiness Inspectors. The workshop provided a platform for knowledge exchange and discussions related to RVSM safety.

2. Briefing During GMU Monitoring Missions

MIDRMA's commitment to RVSM safety extends to Member States within its jurisdiction. During GMU monitoring missions, MIDRMA's team takes the opportunity to engage with responsible airworthiness inspectors. These interactions aim to clarify any monitoring requirements that may not be entirely clear to

inspectors, ensuring a consistent and thorough evaluation of RVSM compliance. Effective communication between MIDRMA and Member States is essential to maintain a high standard of RVSM safety.

3. Collaboration with ICAO MID Office

MIDRMA recognizes the importance of collaboration in promoting RVSM safety. To this end, MIDRMA has worked closely with the International Civil Aviation Organization (ICAO) Middle East office. This collaboration led to the organization of the MID RVSM seminar, held back-to-back with the MIDRMA Board/19 meeting. The seminar brought together a diverse group of RVSM experts from the European Regional Monitoring Agency, the Monitoring Agency in the Asia Region, and Nanyang Technological University – Singapore, in addition to MIDRMA, fostering discussions on best practices, challenges, and innovations in RVSM safety.

2.2 In conclusion, the Middle East Regional Monitoring Agency (MIDRMA) is actively engaged in initiatives to enhance RVSM safety in the Middle East region. Through awareness workshops, cooperation with Member States, and collaboration with international bodies like ICAO, MIDRMA remains dedicated to its mission of addressing safety-related issues and continuously improving safety levels within RVSM airspace.

2.3 The meeting may wish to note that the MIDRMA has organized and delivered the MID RVSM Seminar 2023 (Manama, Bahrain, 9 October 2023), the main outcomes of the event as follows:

- a) Recall the Member State obligations towards the implementation of RVSM in reference to the ICAO Annexes and documents.
- b) Recall the MIDRMA tasks and responsibilities, and the requirements for Data provisions.
- c) Presentations on the available MIDRMA capabilities and tools (including the online reporting systems and the analysis tools).
- d) Regular monitoring requirements related to the Altimetry System Error.
- e) Outlook on further business related to RVSM implementation including the implantation of ADS-B Height Monitoring System and usage of Artificial Intelligence in Air Traffic management.

2.4 The meeting may wish to note that all the training material including video demonstrations are made available under the MIDRMA webpage, for further information and training of relevant personnels.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) recognize the efforts made by the MIDRMA; and
- b) encourage Member States to apply for RVSM safety assessment awareness/training when necessary.