



International Civil Aviation Organization

Middle East Regional Monitoring Agency Board

Thirteenth Meeting (MIDRMA Board/13)
(Bahrain, 9 –12 March 2014)

Agenda Item 4: RVSM Monitoring and Related Technical Issues

MID RVSM SCRUTINY GROUP

(Presented by MIDRMA)

SUMMARY

The aim of this paper is to review, analyze and validate the LHD Reports provided by States to the MIDRMA as part of the Scrutiny Group Work programme.

Action by the meeting is at paragraph 3.

REFERENCES

- ATM/AIM/SAR SG/13 Report
- MIDANPIRG/14 Report
- MID RVSM SMR 2012-2013

1. INTRODUCTION

1.1 The ICAO Doc. 9574, Manual on Implementation of 300 m (1000 ft.) Vertical Separation Minimum between FL 290 and FL 410 Inclusive, calls for regional review of Large Height Deviation Reports (LHD) occurring in airspace in which Reduced Vertical Separation Minimum has been implemented.

1.2 The RVSM-related safety issues required to be examined by the Scrutiny Group that would specifically address matters relating to the MID RVSM operations. This group will essentially analyze and validate Large Height Deviation (LHD) and Coordination Failure Reports (CFRs) from archives maintained by the states and the MIDRMA with the objective of determining which reports from those archives influence the risk of collision associated with application of RVSM, and where applicable propose remedial actions and procedures which will be taken up through the MIDRMA processes.

2. DISCUSSION

2.1 The Scrutiny Group will be required to examine all the reported LHD from 01st September 2013 until 28th February 2014 and analyze events resulting of 300 ft. or greater within the band FL290-FL410 in the involved airspaces. The events are usually the result of ATC loop errors, flight crew errors in executing ATC clearances or controllers errors in granting conflict-free clearances, instances wherein controllers fails to capture an inaccurate read-back of a clearance, level bust (overshoot or undershoot), turbulence situations, emergencies, errors in coordination, WX complications, responses to a TCAS resolution advisory.

2.2 The outputs of the MID RVSM Scrutiny Group will be essential to the monitoring activities of the MIDRMA and will serve to provide validated Large Height Deviation Reports occurrences for assessment in the Safety Monitoring Report (SMR).

2.3 The Tables at **Appendix A** to this working paper represent the discussion to be carried out between the concerned States regarding the reported LHDs.

3. ACTION BY THE MEETING

3.1 The meeting is invited to review, analyze and validate all LHD Reports received by the MIDRMA during the period 1 September 2013 - 28 February 2014.

Appendix A

MID RVSM SCRUTINY GROUP

MID States Discussion Tables

1- MID States Adjacent FIRs:

<i>FIR's</i>	<i>Discussions Between Each Member States</i>						<i>Remarks</i>
Bahrain	Tehran	Kuwait	Muscat	Jeddah	Emirates	Sana'a	
Tehran	Baghdad	Kuwait	Muscat	Emirates	Bahrain		
Baghdad	Amman	Kuwait	Jeddah	Damascus	Tehran		
Cairo	Amman	Jeddah					
Amman	Damascus	Cairo	Baghdad				
Muscat	Emirates	Sana'a	Jeddah	Bahrain	Tehran		
Kuwait	Jeddah	Baghdad	Bahrain	Tehran			
Beirut	Damascus						
Jeddah	Sana'a	Cairo	Bahrain	Kuwait	Muscat	Emirates	
Damascus	Amman	Beirut					
Emirates	Muscat	Bahrain	Jeddah				
Sana'a	Muscat	Jeddah					

2 - Other Adjacent FIRs:

FIR	Other FIRs
Bahrain	NIL
Cairo	Tripoli / Athens / Nicosia /Khartoum
Tehran	Ankara / Yerevan / Baku /Turkmenbashi / Ashgabat/Kabul / Karachi
Bagdad	Ankara
Amman	NIL
Kuwait	NIL
Beirut	Nicosia
Muscat	Karachi / Mumbai
Jeddah	Khartoum/ Asmara
Damascus	Ankara / Nicosia
Emirates	NIL
Sana'a	Asmara / Addis Abeba / Muqdisho/Mumbai