International Civil Aviation Organization

Middle East Regional Monitoring Agency Board

Fifteenth Meeting (MIDRMA Board/15)
(Muscat, Oman, 29 – 31 January 2018)

Agenda Item 4: RVSM Monitoring and related Technical Issues

ASSESSMENT OF NON-RVSM APPROVED AIRCRAFT

(Presented by MIDRMA)

SUMMARY

This paper presents an assessment of the Non- RVSM Approved aircraft operating within the ICAO Middle East RVSM airspace. The assessment process is described and the results for the period of November 2017.

Action by the meeting is at paragraph 3.

REFERENCES

- ICAO Doc 9937
- ICAO Doc 9574

1. INTRODUCTION

1.1 As part of the duties and responsibilities of a Regional Monitoring Agency (RMA), defined in ICAO Doc 9937, the MIDRMA carryout systematic checks of the operator compliance with State approval requirements within the ICAO Middle East Region. The purpose of these checks is to identify Non- RVSM Approved operators and aircraft using the RVSM airspace to ensure the safety of the airspace.

2. DISCUSSION

2.1 One important activity of the MIDRMA is to carry out periodic checks of the approval status of operators and aircraft using airspace where RVSM is applied. This activity is especially important in FIRs or other areas of responsibility where RVSM is applied, this activity is termed monitoring operator compliance with State approval requirements.

2.2 Ideally, this compliance monitoring should be done for the entire Middle East airspace on a daily basis; however difficulties in accessing traffic movement information make such daily monitoring impossible. As per ICAO Doc 9937 a minimum, the responsible RMA should conduct compliance monitoring of the complete airspace for at least a 30 days period annually while the MIDRMA is conducting this task every month.

2.3 An RMA will require two sources of information to monitor operator compliance with State approval requirements:

a) A listing of the operators and the type and registration marks of aircraft operating in the airspace; and

b) The database of State RVSM approvals.

2.4 The first requirement in 2.3 is received once every year in the format of the traffic data used for the MID RVSM risk analysis, however the aircraft registrations are missing in a lot of the data received from some Member States, therefore these data cannot confirm the real status of the noncompliant movement in some FIRs, also due to the difficulties to obtain traffic data from all Member States on a monthly basis, the MIDRMA decided to use Bahrain FIR RVSM traffic data for scrutinizing the non-approved aircraft, the traffic data supplied by Bahrain ATM as per the MIDRMA requirements.

2.5 The second requirement in 2.3 the combined approvals database containing the approval records provided by the collective RMAs is used to verify the RVSM approval status of the operations identified in the traffic movement data sample. Updates to the combined database are provided by all RMAs on a monthly basis.

2.6 The data is compared against the collective approvals database as received from all RMAs on a monthly basis which is always updated to reflect the valid RVSM approvals only. Any of these operations for which an RVSM approval was not found will be separated on a list for further examination and verification.

2.7 The verification process includes cross checks with late update of RVSM approvals by RMAs, typo mistakes in the traffic data, code-sharing and lease arrangements between airline operators which will keep aircraft as RVSM approved duplicated in two countries at the sometime.

2.8 Once the verification process completed and there is assurance of our finding is valid, the appropriate State Airworthiness Authority will be contacted for clarification of the discrepancy and request to reply with their findings and their corrective action which be taken to resolve this issue.

2.9 Experience has shown that the primary systematic reason for failure to match operations and approvals is the delay in State notification of the approval status of some operators to the appropriate RMA. Thus, the importance of timely notification by States of operator approval status to RMAs is emphasized by these results.

2.10 Appendix A of this working paper contained the MIDRMA Bulletin of the Non-RVSM Approved aircraft observed operating within the ICAO Middle East region, the results extracted from Bahrain FIR RVSM traffic data valid for November 2017, the expectation from the this analysis related to States exercising operational authority would act to address the approval issue to avoid unwanted action being taken against legitimate operators and also States in whose airspace these aircraft found operating would take appropriate action.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

a) review and discuss the MIDRMA Bulletin of the Non-RVSM Approved aircraft at **Appendix A;**

b) encourage Member States capable to submit their RVSM traffic data on a monthly basis to coordinate with the MIDRMA to include these data with Bahrain RVSM traffic data; and

c) urge States to submit their RVSM traffic data which is used for the RVSM risk analysis with aircraft registrations.

APPENDIX A

MIDRMA Bulletin of Non-RVSM Approved – Observations of November 2017

Registration	ICAO Type	Operator Name	Number of flights	RMA Reference
ZZ338	A332	Royal Air Force	1	ARMA
ZZ176	C17	Royal Air Force	6	ARMA
ZZ177	C17	Royal Air Force	5	ARMA
ZZ333	A332	Royal Air Force	9	ARMA
ZZ174	C17	Royal Air Force	4	ARMA
ZZ171	C17	Royal Air Force	2	ARMA
ZZ331	A332	Royal Air Force	1	ARMA
ZZ330	A332	Royal Air Force	2	ARMA
ZZ172	C17	Royal Air Force	1	ARMA
VPCQL	A320	NATIONAL AIR SERVICES	18	CARSMMA
VPCYC	A320	NATIONAL AIR SERVICES	17	CARSMMA
4K8888	A319	AZALAVIA-AZERBAIJAN HAVA YOLLARI	2	EURRMA
VPCPM	GLF6	PANAVIATIC	1	EURRMA
FHMOE	FA7X	Dassault Aviation	1	EURRMA
FRBAK	A400	French Air Force	1	EURRMA
FRAJA	A342	French Air Force	3	EURRMA
FRADC	A310	French Air Force	2	EURRMA
FRADA	A310	French Air Force	4	EURRMA
FRARF	A332	French Air Force	2	EURRMA
FRAFB	FA7X	French Air Force	2	EURRMA
FRAFP	F900	French Air Force	1	EURRMA
FRBAB	A400	French Air Force	2	EURRMA
FRAFC	F2TH	L'Armee de L'Air	2	EURRMA
FRBAF	A400	French Air Force	1	EURRMA
DARMY	E35L	AIR HAMBURG	1	EURRMA
DAALJ	B77L	AEROLOGIC GMBH	2	EURRMA
DBAHB	F2TH	MHS AVIATION GMBH	1	EURRMA
20203	B737	AEROLOGIC GMBH	2	EURRMA
YLCSF	BCS3	AIR BALTIC CORPORATION SIA	15	EURRMA
9HVTD	GLEX	VISTA JET LTD	2	EURRMA
CNMBH	B748	Morocco Government	2	EURRMA
CNASM	RJ1H	Morocco Government	1	EURRMA
CNMVI	B738	Moroccan Government	1	EURRMA
CNAMS	GLF5	Royal Maroccan Air Force	1	EURRMA
TC93004	C650	TURKMENHOVAYOLLARY	1	EURRMA
TCLJK	B77W	TURKISH AIRLINES	2	EURRMA
TCNBL	A20N	PEGASUS	4	EURRMA
TCNBJ	A20N	PEGASUS	4	EURRMA
TCLOB	A333	TURKISH AIRLINES	2	EURRMA
1002	AN70	ANTONOV AIRLINES	1	EURRMA

UREAB	IL76	**EUROPE AIR**	**2**	**EURRMA**
UR	IL76	**LLC ALPHA AIR**	**1**	**EURRMA**
VPBIR	B738	**AZUR AIR**	**18**	**EURRMA**
VPBYD	B738	**AZUR AIR**	**15**	**EURRMA**
VPBYB	B738	**AZUR AIR**	**15**	**EURRMA**
761604Q	E3TF	**AURORA AIRLINES**	**1**	**EURRMA**
YAKMT	A343	**KAM AIR**	**6**	**MAAR**
VTJTH	B738	**JET AIRWAYS**	**4**	**MAAR**
VTJTF	B738	**JET AIRWAYS**	**7**	**MAAR**
9MMMTB	A333	**MALAYSIA AIRLINES**	**1**	**MAAR**
9MMAB	A359	**MALAYSIA AIRLINES**	**1**	**MAAR**
APBMS	B77W	**PAKISTAN AIRLINES**	**28**	**MAAR**
APBIM	A320	**SHAHEEN INTERNATIONAL**	**1**	**MAAR**
APBIN	A320	**SHAHEEN INTERNATIONAL**	**1**	**MAAR**
9VSMQ	A359	**SINGAPORE AIRLINES LTD.**	**1**	**MAAR**
VNA634	A321	**VIETJET AIR**	**1**	**MAAR**
A7MAP	C17	**LHO**	**3**	**MIDRMA**
A7AMD	A359	**Qatar Airways**	**43**	**MIDRMA**
A7BFM	B77L	**Qatar Airways**	**23**	**MIDRMA**
A7MAO	C17	**LHO**	**2**	**MIDRMA**
A7MAM	C17	**LHO**	**1**	**MIDRMA**
A7ALT	A359	**Qatar Airways**	**2**	**MIDRMA**
TFAMI	B744	**SPA-EM**	**6**	**MIDRMA**
YKAZA	A343	**Syrian Air**	**17**	**MIDRMA**
YKBAE	A320	**Cham Wings**	**6**	**MIDRMA**
UA00404A	C17	**UAE Army /Airforce**	**4**	**MIDRMA**
UA00403A	C17	**UAE Army /Airforce**	**1**	**MIDRMA**
UA00408A	C17	**UAE Army /Airforce**	**3**	**MIDRMA**
UA1301	A332	**UAE Army /Airforce**	**2**	**MIDRMA**
UA00406A	C17	**UAE Army /Airforce**	**3**	**MIDRMA**
UA1207	P180	**UAE Army /Airforce**	**2**	**MIDRMA**
UA00407A	C17	**UAE Army /Airforce**	**2**	**MIDRMA**
CE04	E145	**Belgian Air Force**	**1**	**NAARMO**
ZM409	A400	**Royal Air Force**	**2**	**PARMO**
ZM410	A400	**Royal Air Force**	**1**	**PARMO**
ZM414	A400	**Royal Air Force**	**2**	**PARMO**

- END -