



International Civil Aviation Organization

Middle East Regional Monitoring Agency Board

Sixteenth Meeting (MIDRMA Board/16)
(Amman, Jordan, 14 – 16 January 2020)

Agenda Item 4: RVSM Monitoring and related Technical Issues

ASSESSMENT OF NON-RVSM APPROVED AIRCRAFT 2019

(Presented by MIDRMA)

SUMMARY

This paper presents an assessment of the Non- RVSM Approved aircraft observed operating within the ICAO Middle East RVSM airspace overseen by the MIDRMA. The assessment process is described and the results for year 2019.

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 aircraft using the RVSM airspace to ensure the safety of the airspace.

2. DISCUSSION

2.1 One of the important activities 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 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, 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, types 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.

2.5 Due to the difficulties to obtain traffic data from all Member States on a monthly basis, the MIDRMA uses Emirates FIR RVSM traffic data as the main source of scrutinizing the non-RVSM approved aircraft in MIDRMA area of responsibility. The data received is always complete and in the correct format, The MIDRMA would like to take this opportunity to thank Emirates GCAA Operational Data Management Office for sending Emirates FIR RVSM traffic on a monthly basis. MIDRMA also uses the RVSM traffic data supplied by Bahrain ATM, but due to the late submission for the data every month it is not much useful for scrutinizing the noncompliant aircraft.

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

2.7 The traffic data compared against the updated global RVSM approval database to reflect the valid RVSM approvals only. Any of these operations for which RVSM approvals not found will be separated on a list for further examination and verification.

2.8 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 same time.

2.9 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.

2.10 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.

2.11 Upon completion from the data scrutiny process and the results are verified, the MIDRMA send official letters to all RMAs responsible for the violating aircraft to carry out their investigations of the noncompliant aircraft operation in the RVSM airspace and reply back with their findings, also MIDRMA send official letters to MIDRMA Airworthiness Inspectors responsible of the non RVSM approved aircraft found operating with the Middle East region or outside the region if reported by other RMAs. Usually the response received from all RMAs and MIDRMA Airworthiness Inspectors are very quick and corrective measures always taken to rectify the problem.

2.12 **Appendix A** of this working paper contained the latest Global RMA Bulletin of the Non-RVSM Approved aircraft observed by all RMAs.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note the RMA's Global Bulletin in **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 Emirates RVSM traffic data and urge Bahrain ATM to submit their data before the 10th of each month; and
- c) urge Member States to submit their RVSM traffic data, which is used for the RVSM risk analysis with aircraft registrations.

APPENDIX A

Date of Bulletin inclusion	Opr. ICAO code	Operator name	Aircraft ICAO type	Series	Serial No.	Reg. No.	Hex Mode S	Responsible RMA	Observed by
18/12/2019	HVK	Turkish air force	A400		0093	180093	4B8213	EUR RMA	EURASIA
18/12/2019	HVK	Turkish air force	A400		0094	180094	4B8214	EUR RMA	EURASIA
02/10/2019	YYY	Unknown operator	TBM7	TBM700	302	2PLAY	43EAFF	EUR RMA	EUR RMA
18/01/2017	YYY	Air force of armenia	IL76		1013409310	76310		EUR RMA	EUR RMA
12/07/2019	YYY	Ukraine air force	IL76	IL76TD	1013407215	76413	508131	EUR RMA	EUR RMA
12/07/2019	YYY	Ukraine air force	IL76	IL76MD	0063468029	76683	50FF3B	EUR RMA	EUR RMA
16/04/2018	YYY	Ukraine af	IL76		0093496907	78820		EUR RMA	EUR RMA
19/11/2019	YYY	Air force of armenia	IL76		0	86040		EUR RMA	EURASIA
19/11/2019	YYY	Air force of armenia	IL76		3424719	86852		EUR RMA	EURASIA
16/04/2018	YYY	Unknown operator	GLF6		6245	8PASD		CARSAMMA	EUR RMA
19/11/2019	YYY	Embassy of turkey (airforce)	GLF5		5241	9001	4B822D	EUR RMA	EURASIA
02/10/2019	YYY	Unknown operator	PC12	PC12 47E	1746	DFCCC		EUR RMA	EUR RMA
05/07/2016	YYY	Spanish air force	A310		489	ECHLA		EUR RMA	EUR RMA
19/11/2019	MRS	Mars avia cjsc	AN72		36547095900	EK74008		EUR RMA	EURASIA
19/11/2019	TXC	Transaviaexport	IL76		1013405176	EW495TH		EUR RMA	EURASIA
19/11/2019	TXC	Transaviaexport	IL76		1	EW510355		EUR RMA	EURASIA
19/11/2019	TXC	Transaviaexport	IL76		1033418600	EW510TH		EUR RMA	EURASIA
12/07/2019	CRV	Acropolis aviation ltd.	A20N	ACJ320 251N	8403	GKELT		EUR RMA	EUR RMA
22/05/2019	XLD	Jeppesen data plan, inc. (san francisco, ca)	C750		750-0099	HI1001	0C414A	CARSAMMA	EURASIA
02/10/2019	YYY	Unknown operator	GLF4		1482	HI1050		CARSAMMA	EUR RMA
19/11/2019	YYY	Embassy of turkey	C680		0	J001	4B82DC	EUR RMA	EURASIA
25/11/2019	IGA	Fukuda building maintenance	C525			JA525Y		JASMA	JASMA
25/11/2019	IGA	Pv	TBM7			JA55GW		JASMA	JASMA
25/11/2019	IGA	Japan coast guard	F2TH			JA572A		JASMA	JASMA
25/11/2019	IGA	Japan coast guard	F2TH			JA573A		JASMA	JASMA
25/11/2019	IGA	Japan coast guard	F2TH			JA574A		JASMA	JASMA
02/10/2019	YYY	Italian air force	P180	P180 AVANTI II	1205	MM62274		EUR RMA	EUR RMA
12/07/2019	IAM	Air force of italy	GLF5	G550 AEW	5429	MM62293	33FDC2	EUR RMA	EUR RMA
30/09/2019	IGA	Eolo aviation inc trustee	C525		525-1003	N100MC	A005CA	NAARMO	EUR RMA
30/09/2019	IGA	Cirrus design corp	SF50		116	N116PB	A043C4	NAARMO	EUR RMA
30/09/2019	IGA	Southwind aviation inc.global	C56X	XLS+	560-6274	N126DC	A0A4A	NAARMO	EURASIA
04/10/2019	IGA	Cessna-avic aircraft (zhuhai) co. Ltd.	C56X	XLS+	560-6275	N128DC	A071B8	NAARMO	EURASIA
15/11/2019	IGA	Tvpx aircraft solutions inc trustee	E135	LR	145728	N135PP	A08F17	NAARMO	EURASIA
30/09/2019	IGA	Global flight holdings inc trustee	FA50		184	N156AW	A0E08E	NAARMO	EUR RMA
04/12/2019	IGA	Bank of utah trustee	B734	476	28151	N16AQ	A0EF64	NAARMO	MID RMA
16/04/2018	IGA	Dodson international parts inc	CL60	2B16	5035	N203AA	A19D29	NAARMO	EUR RMA
16/04/2018	IGA	N221yy corp trustee	PC12	47E	1128	N221XX	A1E6DB	NAARMO	EUR RMA
18/01/2017	IGA	Private flyers delaware inc	C525		525-0669	N224BA	A1EFF7	NAARMO	EUR RMA
30/04/2019	IGA	Yankee papa aircraft llc	E550		55000082	N24YP	A22FDA	NAARMO	CARSAMMA
04/12/2019	IGA	Epic rise llc	GLF3		372	N313MS	A3531A	NAARMO	MID RMA
30/09/2019	IGA	Tango & cash llc	CL60	2B16	5410	N357TC	A4007A	NAARMO	EUR RMA
30/09/2019	IGA	Mustang c j m 02203 llc	HA4T		RC-24	N400VR	A4AE8C	NAARMO	EUR RMA
04/12/2019	IGA	Rourke christopher trustee	HA4T		RC-26	N4026	A4B739	NAARMO	MID RMA
25/01/2019	IGA	Wells fargo trust co na	A321	211	1017	N417PB	A4EF68	NAARMO	MAAR

MIDRMA Board/16–WP/8
APPENDIX A

A-2

		trustee							
30/09/2019	IGA	Banyan jet sales llc	TMB7		1219	N43DK	A5211A	NAARMO	EUR RMA
16/10/2019	IGA	Bearthday aviation	GLF3		437	N44HB	A548F5	NAARMO	JASMA
30/09/2019	IGA	Textron aviation inc	C25B		525B0486	N486JR	A5FFBB	NAARMO	EUR RMA
16/04/2018	IGA	Aircraft guaranty corp trustee	TBM8		455	N492B	A6179F	NAARMO	EUR RMA
30/09/2019	IGA	Swift equipment llc	CL30	1A10	20223	N4MX	A4A918	NAARMO	EUR RMA
25/04/2019	IGA	Pv/superior transportation associates inc	GLF5		5005	N537JK	A6CB40	NAARMO	JASMA
30/09/2019	IGA	Pv/latam cargo	B763	316	34629	N542LA	A6E055	NAARMO	JASMA
04/10/2019	IGA	San clemente leasing llc	B738	85R	36551	N551AG	A70329	NAARMO	MID RMA
30/09/2019	IGA	Sn 9086 llc	GLEX		9086	N551SW	A704C7	NAARMO	MAAR
04/10/2019	IGA	Bank of utah trustee	B738	85R	36553	N553CG	A70AC9	NAARMO	MID RMA
16/04/2018	IGA	Tvpx aircraft solutions inc trustee	CL60		5399	N604GF	A7D6B7	NAARMO	EUR RMA
25/07/2018	IGA	Success aviation services uae	GALX		214	N614GA	A7FE31	NAARMO	EURASIA
25/03/2019	IGA	Click aviation network dmcc	B733		28398	N653SW	A89984	NAARMO	EURASIA
30/09/2019	IGA	Aircraft guaranty corp trustee	H25B	800XP	258566	N664AC	A8C318	NAARMO	EUR RMA
18/01/2017	IGA	Sama america corp	ASTR		59	N666HA	A8CB33	NAARMO	EUR RMA
16/04/2018	IGA	Swat technology llc	GLF3		376	N670JF	A8DC86	NAARMO	EUR RMA
04/12/2019	IGA	F r aviation llc	C680	A	680A0128	N680FR	A903C4	NAARMO	EURASIA
30/09/2019	IGA	Tarbert aviation llc	C680	A	680A0127	N68HA	A9018E	NAARMO	EURASIA
18/01/2017	IGA	Air twinlite inc trustee	TBM7		209	N700EL	A954FD	NAARMO	EUR RMA
30/09/2019	IGA	Chasing tails llc	GLF4	G450	4242	N714AA	A98AEA	NAARMO	JASMA
30/09/2019	IGA	O'hara financial	F2TH		75	N717FM	A06A4A	NAARMO	EURASIA
04/10/2019	IGA	Bank of utah trustee	B734	400	28831	N7399C	A9F010	NAARMO	MID RMA
30/09/2019	IGA	Business aircraft leasing inc	H25B	800XP	258500	N749WW	AA1602	NAARMO	EUR RMA
18/11/2019	IGA	Avcorp us registrations llc trustee	SF50		147	N755DS	AA2CF8	NAARMO	JASMA
30/09/2019	IGA	Amorada leasing llc	C510		510-0139	N771LJ	AA6DC1	NAARMO	EUR RMA
18/01/2017	IGA	Aircraft guaranty corp trustee	BE20		BB-1477	N816AC	AB1FA9	NAARMO	EUR RMA
25/04/2019	IGA	Aircraft msn 24846 llc	B763	383ER	24846	N846AU	AB9636	NAARMO	JASMA
30/09/2019	IGA	Eagle helicopters inc	TBM7	N	386	N850NJ	ABA88D	NAARMO	EUR RMA
30/09/2019	IGA	Carolina turbine sales inc	B350		FL-86	N860TT	ABD092	NAARMO	EUR RMA
30/09/2019	IGA	Windcrest aviation llc	TBM7	N	579	N870CA	ABF689	NAARMO	EUR RMA
16/04/2018	IGA	Cavok inc trustee	TBM9		1108	N900FZ	AC6FC1	NAARMO	EUR RMA
30/09/2019	IGA	Bank of utah trustee	GLEX		9115	N915JG	ACAAOD	NAARMO	AAMA
30/09/2019	IGA	Pv/hae	B350		FL-566	N929TW	ACE157	NAARMO	JASMA
16/04/2018	IGA	Emgm inc trustee	TBM7	N	1157	N930CF	ACE5E1	NAARMO	EUR RMA
30/09/2019	IGA	Aircraft guaranty corp trustee	SF50		111	N965AP	AD6EC7	NAARMO	EUR RMA
02/10/2019	TTV	T-air	PC12	PC12 47E	1864	OKHFH		EUR RMA	EUR RMA
02/10/2019	YYY	Unknown operator	PC12	PC12 47E	1604	OMTVV		EUR RMA	EUR RMA
19/11/2019	YYY	Embassy of turkey	C650			OR0177		EUR RMA	EURASIA
02/10/2019	YYY	Unknown operator	CL30	100-1A10	20311	PPMQS		CARSAMMA	EUR RMA
16/04/2018	YYY	Unknown operator name	GLEX	BD-700 GLOBAL EXPRESS	9653	PRFIS	E4924F	CARSAMMA	EUR RMA
25/08/2018	YYY	Icon taxi aero lida	E135		14501054	PRODF	E48236	CARSAMMA	EURASIA
28/06/2019	YYY	Delta	PC12	47E	1839	RA07870	141EBE	EURASIA	EURASIA
25/04/2019	SSJ	Krasavia, state enterprise of krasnoyarsk territory	YK42	D	4520424606270	RA42340	14A564	EURASIA	EURASIA
26/08/2019	SSJ	Krasavia, state	YK42	D	4520421014494	RA42378	14A58A	EURASIA	EURASIA

A-3

		enterprise of krasnoyarsk territory							
25/01/2019	SSJ	Krasavia, state enterprise of krasnoyarsk territory	YK42	D	4220424116683	RA42406	14A5A6	EURASIA	EURASIA
22/05/2019	IGA	Rusaviainter, cjsc	T204		1450742864045	RA64045	14FA2D	EURASIA	EURASIA
05/06/2018	YYY	Ministry of defence of the rf	T154	B2	82A559	RA85559	154E37	EURASIA	EURASIA
02/10/2019	RFF	Air force of the russian federation	T204		41003025	RF64525	14FCOD	EURASIA	EURASIA
23/01/2017	YYY	Vmvd, 3553	T154		92A922	RF85135	154C8F	EURASIA	EURASIA
26/08/2019	RFF	Air force of the russian federation	T154		89A798	RF85655	194E97	EURASIA	EURASIA
26/08/2019	RFF	Air force of the russian federation	T154		92A917	RF85735		EURASIA	EURASIA
24/11/2019	YYY	National aviation sudan	E135		14501098	STPNA		MID RMA	EURASIA
25/02/2019	YYY	Ministry of defence of angola	AN72		x	T708		ARMA	EURASIA
27/07/2019	YYY	Ministry of defence of angola	AN72		xx	T709		ARMA	EURASIA
19/11/2019	THY	Unknown operator name	B77W			TCJNG		EUR RMA	MAAR
19/11/2019	YYY	Unknown operator	A320			TCOOD		EUR RMA	AAMA
02/10/2019	YYY	Government of congo brazzaville	IL76		1033415504	TNAFS	0360B2	ARMA	EUR RMA
19/11/2019	YYY	Embassy of turkey	CL60		5459	TT4010		EUR RMA	EURASIA
19/11/2019	YYY	Embassy of turkey (airforce)	GLF5		0	TUAF118		EUR RMA	EURASIA
05/07/2016	AME	Spanish navy	C650		650-7079	U2101		EUR RMA	EUR RMA
18/12/2019	YYY	Government of ukraine	A140		0110	UKUKR	508256	EUR RMA	EURASIA
11/07/2019	YYY	Government of kazakhstan	SU95		95096	UN95100	683243	EURASIA	EURASIA
23/10/2019	BEK	Bek air	F100		11317	UPF1018	683278	EURASIA	EURASIA
26/08/2019	SAP	Avia-zhaynar	YK42		4520422219066	UPY4215	683257	EURASIA	EURASIA
12/07/2019	YYY	Ukraine air force	IL76	IL76MD	0063471131	UR76699		EUR RMA	EUR RMA
02/10/2019	UKL	Ukraine air alliance	AN12	AN12BP	6343707	URCAK		EUR RMA	EUR RMA
28/11/2019	BAV	Bamboo airways	A20N			VNA585		MAAR	EURASIA
28/11/2019	BAV	Bamboo airways	A321			VNA597		MAAR	EURASIA
24/12/2019	YYY	Ar airways pvt ltd	F2TH			VTARM		MAAR	EURASIA
18/11/2019	IGO	Indigo airlines	A20N			VTIJC		MAAR	MID RMA
18/11/2019	IGO	Indigo airlines	A20N			VTIJD		MAAR	MID RMA
18/11/2019	IGO	Indigo airlines	A20N			VTIJE		MAAR	MID RMA
24/10/2019	IGO	Indigo airlines	A20N			VTIJM		MAAR	EURASIA
18/11/2019	IGO	Indigo airlines	A20N			VTIJP		MAAR	MID RMA
18/11/2019	IGO	Indigo airlines	A321			VTIUG		MAAR	EUR RMA
24/10/2019	SEJ	Spicejet	B38M	Max 8	60224	VTMXK	800D1D	MAAR	EUR RMA
18/11/2019	IGA	Unknown operator name	GLST			VTRUP		MAAR	EUR RMA
18/11/2019	SEJ	Spicejet	B737			VTSFE		MAAR	MID RMA
18/11/2019	VTI	Tata sia airlines ltd (vistara)	A20N			VTTNK		MAAR	MID RMA
02/10/2019	SJC	Sjc - servicios ejecutivos continental	F900	EX	242	XABEG	0D0698	NAARMO	EUR RMA
30/09/2019	IGA	Servicios aereos ilsa sa de cv	F2TH	EX	125	XAJBT	0D090E	NAARMO	EUR RMA
02/10/2019	JOC	Joc-just us air	A320	AIRBUS 320-232	2496	YRDSI	4A1269	EUR RMA	EUR RMA