



International Civil Aviation Organization

**The 17th Meeting of the Regional Airspace Safety Monitoring Advisory Group
(RASMAG/17)**

Bangkok, Thailand, 28 – 31 August 2012

Agenda Item 5: Airspace Safety Monitoring Activities/Requirements in the Asia/Pacific Region

Non-RVSM approved Flights within RMA Database

(Presented by China RMA)

SUMMARY

This working paper provides an assessment of non-State-approved operators using the Reduced Vertical Separation Minimum (RVSM) airspace overseen by the China RMA. The assessment results for period from December 2011 are presented.

This paper relates to –

Strategic Objectives:

A: *Safety – Enhance global civil aviation safety*

Global Plan Initiatives:

GPI-2 Reduced vertical separation minima

1. INTRODUCTION

1.1. As part of the duties and responsibilities of an RMA, the China RMA conducts an assessment on operator compliance with State RVSM approval requirements on a monthly basis.

1.2. The purpose of this working paper is to provide the updated results for the scrutiny assessment of operators/aircraft type operating within these areas, which the RVSM approval records were not found in the RMA database or the RVSM approval expired/deregistered.

2. DISCUSSION

2.1 From the beginning of 2012, the China RMA conducts monthly assessment on operator compliance with State RVSM approval requirements in the airspace of Chinese FIRs and Pyongyang FIR. During this work, the China RMA firstly applied the combined approval dataset provided by NAT CMA for the first-step check because the data are well quality controlled and the data format is standard. Secondly, the latest approval dataset from other RMAs available to the KSN are also applied. It is assumed that the data provided by the RMA directly should be used when there is a conflict. The flights identified to be non-RVSM approved, or RVSM approval expired/deregistered, or there is no registration information for the aircraft, are recorded in the track list for further confirmation.

2.2 Figure 1 represents the whole picture for the number of aircraft conducted RVSM flights (herein after referred to as “RVSM aircraft”) with “W” in their flight plans while no registration in the RMA’s approval databases or RVSM approval expired/deregistered. While Figure 2 represents the same situation by different RMAs.

2.3 Table 1 provides a breakdown of the results. The results are listed alphabetically by RMA and State of registry. This list contains a total of 389 suspected aircraft from our preliminary analysis. After the analysis, the China RMA began to contact relevant domestic operators and other RMAs to confirm the approval status for these aircraft. A separate column in Table 1 with the title ‘Remark’ is to clarify the progress of confirmation.

2.4 According to the analysis, the primary reason for failure to match operations and approvals is a delay in notification of the approval status of some operators to the appropriate RMA. The China RMA also see a few cases that the aircraft continued to conduct flights after the RVSM approval e deregistered and the information of approval extension are not reported to the relevant RMAs timely.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note and review the contents of the China RMA traffic scrutiny work presented in this paper and;
- b) provide any relevant updates on the records contained within the results.

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Appendix A: Estimated RVSM Monitoring Burden for Asia/Pacific Region as a result of Long Term Height Monitoring Requirements of Annex 6

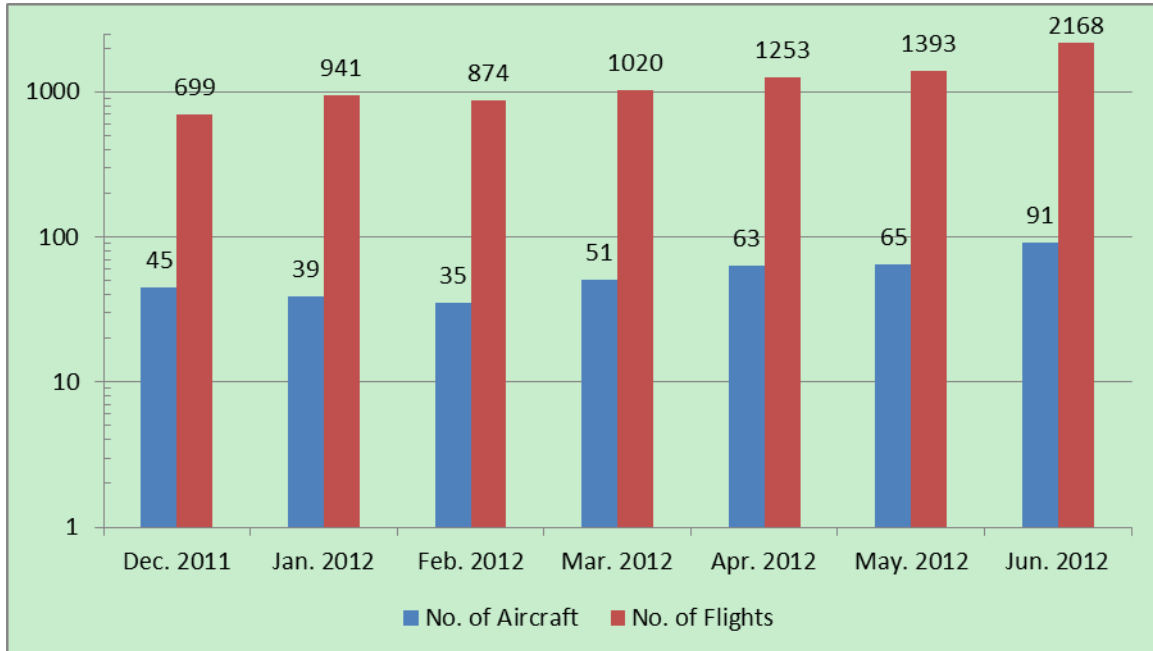


Figure 1: The number of aircraft conducting RVSM flights with “W” in their flight plans while no registration in the RMA’s approval databases or RVSM approval expired/deregistered

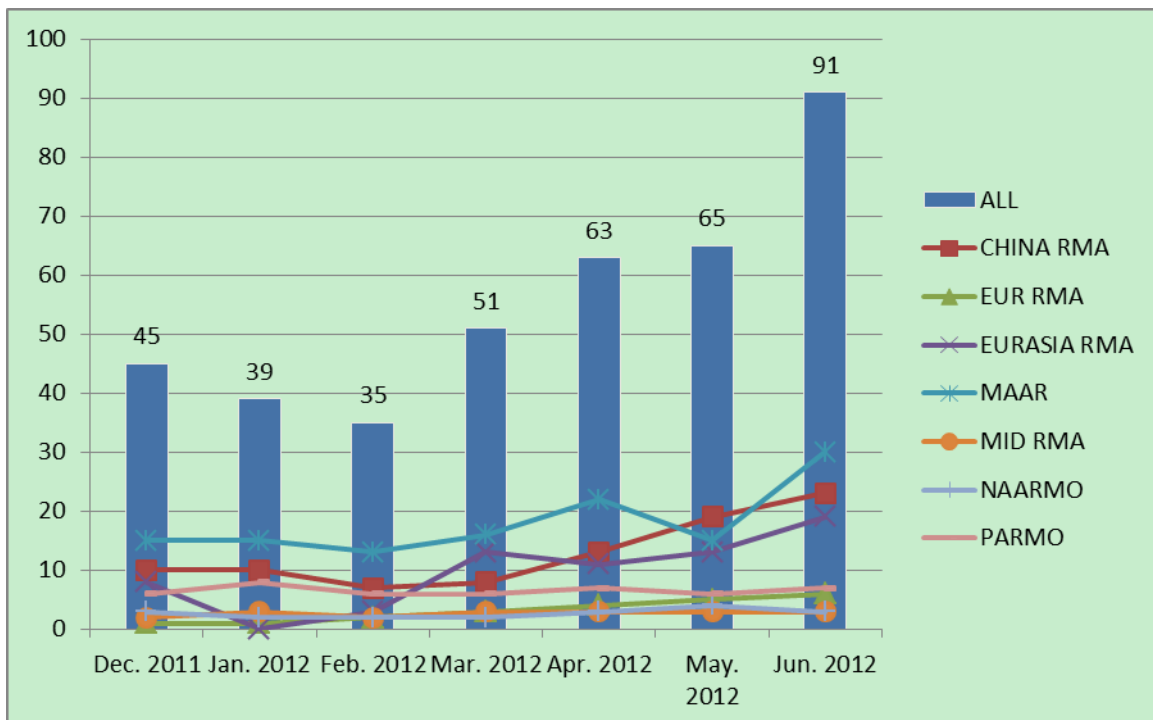


Figure 2: Traffic Scrutiny Results by RMA

Table 1 Breakdown of track list and the progress of confirmation

C—Confirmed to have RVSM approval or approval has been extended

RMA	STATE	OPERATOR	REGISTRATION NO.	ICAO TYPE	REMARK
CHINA RMA	China	TBD	B3096	E135	
		TBD	B8023	FA7X	
		TBD	B8161	GLF4	
		TBD	B8322	GLF4	
		CBJ	B6478	A320	C
		CBJ	B8135	GLF5	C
		CCA	B5715	B738	C
		CES	B2232	A319	C
		CES	B5515	B738	C
		CQH	B5852	A320	C
		CHH	B3677	B738	C
		CHH	B2624	B738	C
		CFI	B9301	C680	C
		CFI	B9300	C680	C
		CFI	B8099	G450	C
		CES	B6831	A320	C
		CES	B5894	B737	C
		CES	B5527	B738	C
		GCR	B3712	E190	C
		GCR	B3078	E145	C
		CSZ	B5619	B738	C
		CSN	B9952	A320	C
		CSN	B6896	A320	C
		CSN	B3145	E190	C
		CSC	B6845	A321	C
		CSC	B6845	A319	C
		CSC	B6843	A320	C
		NSJ	B8161	GLF4	C
		NSJ	B8155	GLF4	C
		LKE	B6943	AA320	C
		LKE	B6943	A320	C
		HAH	B8116	CL30	C
		HAH	B8115	CL30	C
		CES	B2519	A321	C
		CES	B2140	A320	C
		CCA	B2626	B733	C
		CBJ	B8130	GLF5	C
		CBJ	B6425	A319	C

RMA	STATE	OPERATOR	REGISTRATION NO.	ICAOTYPE	REMARK
		CBJ	B3912	H25B	C
		BJN	B8028	FA7X	C
	Democratic People's Republic of Korea	KOR	P552	T154	
EUR RMA	Italy	AZA	EIEJK	A332	
	Luxembourg	CLX	LXVCC	B748	
		CLX	LXVCE	B748	
	United Kingdom	BAW	GSTBF	B77W	
EURASIA RMA	Kazakhstan	KZR	P4KCA	B763	
		LYN	EX37501	B735	
		KZR	P4TAS	A320	
		KZR	P4XAS	A320	
		KZR	P4MAS	B752	
		KZR	P4KCB	B763	
		KZR	P4WAS	A320	
		KZR	P4VAS	A320	
	Kyrgyzstan	KZR	P4KCA	B763	
		KZR	P4OAS	A321	
		KZR	P4VAS	A320	
		KZR	P4WAS	A320	
		KZR	P4KCB	B763	
		KZR	P4MAS	B752	
		KZR	P4XAS	A320	
		KZR	P4TAS	A320	
	Russian Federation	LYN	EX37501	B735	
		ABW	VPBIK	B744	
		VLK	VQBFM	A320	
		TSO	EIUNU	B772	
		TSO	EIDFS	B763	
		SVR	VQBFW	A320	
		AFL	VPBWQ	B763	
		AFL	VPBDI	B763	
		SBI	VPBCP	A320	
		SBI	VPBCZ	A320	
		SBI	VPBHF	A319	
SBI	VQBES	A320			
SBI	VQBET	A320			
SVR	VPBFZ	A320			
SVR	VPBQZ	A320			
ABW	VPBIM	B744			

RMA	STATE	OPERATOR	REGISTRATION NO.	ICAOTYPE	REMARK
		AFL	VPBAY	B763	
		AFL	VQBCV	A333	
		POT	RA96103	IL96	
		AFL	VQBCU	A333	
		SVR	VQBRE	A320	
		TSO	EIUNE	B763	
		VLK	VPBFX	A320	
		VLK	VQBFM	T204	
	Uzbekistan	UZB	UK67003	B763	
		UZB	UK67004	B763	
MAAR	Afghanistan	AFG	YACAQ	A310	
	Hong Kong, China	CPA	BHAI	B744	
		CRK	BLHH	B733	
		CRK	BLNA	A332	
		CRK	BLNY	A332	
		HKE	BKBE	B738	
	India	AIC	VTALD	B77L	C
		AIC	VTALF	B77L	C
		AIC	VTALL	B77W	C
		AIC	VTALN	B77W	C
		AIC	VTALQ	B77W	C
		AIC	VTALS	B77W	C
		AIC	VTALU	B77W	C
		AIC	VTALT	B77W	C
		AIC	VTALR	B77W	C
		AIC	VTALO	B77W	C
		AIC	VTALM	B77W	C
		AIC	VTALG	B77L	C
	AIC	VTALE	B77L	C	
	Lao People's Democratic Republic	LAO	RDPL	AT72	
		LAO	RDPL	AT72M	
	Macao, China	AMU	BAMR	A321	C
		AMU	BMAB	A321	C
		AMU	BMAG	A321	C
		AMU	BMAJ	A321	C
		AMU	BMAL	A319	C
		AMU	BMAP	A321	C
		AMU	BMAQ	A321	C
		AMU	BMAM	A319	C
		AMU	BMAK	A319	C
AMU		BMAH	A320	C	
AMU		BMAF	A321	C	
AMU		BMAB	A321	C	
AMU		BMAQ	A321	C	

RMA	STATE	OPERATOR	REGISTRATION NO.	ICAOTYPE	REMARK
		AMU	BMAP	A321	C
		AMU	BMAJ	A321	C
		AMU	BMAF	A321	C
	Malaysia	AXM	9MAQI	A320	
		MAS	9MMTF	A333	
		MAS	9MMTG	A333	
		AXM	9MAQM	A320	
		AXM	9MAQL	A320	
		Myanmar	MMA	XYAGG	A320
	MMA		XYAGI	A320	
	MMA		XYAGM	A320	
	MMA		XYAGL	A320	
	Philippines	CEB	RPC3237	A320	
		CEB	RPC3264	A320	
		CEB	RPC3266	A320	
		CEB	RPC3267	A320	
		CEB	RPC3265	A320	
		CEB	RPC3264	A319	
	Viet Nam	CEB	RPC3238	A320	
		HVN	VNA334	A321	
MID RMA	United Arab Emirates	ETD	A6DDA	B77L	
		UAE	A6EDS	A388	
		UAE	A6EDT	A388	
NAARMO	Mexico	AMX	N745AM	B772	
		AMX	N746AM	B772	
		AMX	N774AM	B772	
		AMX	N776AM	B772	
	United States	BOE	N787BX	B788	
NAT CMA	Ireland	AZA	EIEJL	A332	
	Ireland	AZA	EIEJM	A332	
	Ireland	AZA	EIEJN	A332	
PARMO	Brunei Darussalam	RBA	V8BLE	B772	
		RBA	V8RBR	A319	
		RBA	V8RBT	A320	
		RBA	V8RBU	A320	
		RBA	V8RBP	A319	
		RBA	V8BLF	B772	
		RBA	V8RBS	A320	
		RBA	V8BLE	B772	
		RBA	V8RBR	A319	
		RBA	V8RBP	A319	
		RBA	V8RBU	A320	
		RBA	V8RBT	A320	
RBA	V8BLF	B772			

RMA	STATE	OPERATOR	REGISTRATION NO.	ICAOTYPE	REMARK
		RBA	V8RBS	A320	
	Republic of Korea	KAL	HL8225	B738	
		KAL	HL8240	B738	
		KAL	HL8244	B738	
		KAL	HL8240	B739	