



International Civil Aviation Organization

**The Nineteenth Meeting of the Regional Airspace Safety Monitoring  
Advisory Group (RASMAG/19)**

Pattaya, Thailand, 27-30 May 2014

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

**Identification of Non-Approved Airframes Operating with RVSM Approval Status**

(Presented by China RMA)

(Prepared by Chen Yongyue and Zhao Jun)

**SUMMARY**

The China RMA conducts a monthly check of flight plan data against the combined global RVSM approval databases. This paper provides the outcome of the March 2014 check.

**Strategic Objectives:**

A: *Safety – Enhance global civil aviation safety*

**Global Plan Initiatives:**

GPI-2 Reduced vertical separation minima

**1. INTRODUCTION**

1.1 From the beginning of 2012, China RMA started to provide evidence of non-approved operations through flight plan checks using monthly flight plan data and present results to the RMACG meeting.

1.2 This paper provides the results of once-a-month comparison between RMAs' approval databases and flight plans operated within the RVSM airspace of Chinese FIRs and Pyongyang FIR using the flight plan using the data up to March 2014.

**2. DISCUSSION**

2.1 A comparison is performed between the aircraft registrations seen in the monthly flight plan data available to the China RMA, and global approval database available on the KSN website. Only aircraft which flight planned into RVSM levels with a W in the equipment field were compared.

2.2 Pyongyang FIR of DPR Korea started to provide monthly flight plan data from the beginning of 2014, and the data are shared on a three-month basis. So the China RMA is able to conduct the check for this region using the flight plan data for the whole year, not just the data of each December.

2.3 Experience had shown that the primary reason for failure to match operations and approvals was a delay in notification of the approval status of operators to the appropriate RMA, while there are also cases that the aircraft are confirmed to be non-approved or the approval has been expired.

2.4 The airframes suspected to be 'non-approved' for China and DPR Korea have been forwarded to the respective POC to confirm. Non-approved list of Chinese aircraft has been forwarded to the ATMB for follow up actions.

2.5 The China RMA also forwards data to other RMAs directly to confirm the approval status for suspected airframes. Some operator-aircraft combinations may stay in the 'to-be-confirmed' list for a couple of months.

2.6 Appendix A provides a list of suspected aircraft through monthly comparison between approval databases and flight plans. These aircraft are identified to have no RVSM approval registration, or have expired approval on their date of flight(s).

### **3. ACTION BY THE MEETING**

3.1 The meeting is invited to:

- a) note and review the results of flight plan survey presented in this working paper;
- b) cross-check the aircraft identified in Appendix A against their respective approvals database and confirm their approval status; and
- c) forward information to relevant States and Operators if necessary

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Appendix A

Identification of Non-Approved Airframes or Airframes that have expired approval on their date of flight(s)  
(Including China RMA responsible States and other observed State Data)  
Identified by China RMA – To March 2014

State/Area	Reg No.	Operator	Aircraft Type	Operator name	Flight time (yyyymm-yyyymm)	No. of flights identified
Germany	DABYL	DLH	B748	DEUTSCHE LUFTHANSA, A.G.	201403	3
China	B8291		GLF4		201303-201403	117
Ethiopia	ETAPY	ETH	B77W	ETHIOPIAN AIRLINES	201402-201403	30
Hong Kong, China	BLNV	CRK	A332	HONG KONG AIRLINES	201403	27
India	VTSZF	SEJ	B738	SPICE JET LTD.	201311-201402	27
India	VTSZG	SEJ	B738	SPICE JET LTD.	201311-201401	14
India	VTANG	AIC	B788	Air India	201401-201402	2
India	VTSZE	SEJ	B738	SPICE JET LTD.	201311-201401	14
Italy	EIEJP	AZA	A332	ALITALIA - COMPAGNIA AEREA ITALIANA, S.P.A.	201211-201302	44
Japan	JA828A	ANA	B788	ALL NIPPON AIRWAYS	201403	3
Malaysia	9MMTO	MAS	A333	MALAYSIA AIRLINES	201402	2
Malaysia	9MXXO	XAX	A333	AIR ASIA X	201403	7
Philippines	RPC8987	EZD	A320	ZEST AIRWAYS	201303-201403	57
Philippines	RPC3277	CEB	A320	CEBU AIR INC. (CEBU PACIFIC AIR)	201403	2
Philippines	RPC8997	EZD	A320	ZEST AIRWAYS	201403	22
Philippines	RPC3276	CEB	A320	CEBU AIR INC. (CEBU PACIFIC AIR)	201402-201403	14
Republic of Korea	HL8281	AAR	A321	ASIANA AIRLINES	201310-201402	211
Republic of Korea	HL8295	JJA	B738	JEJU AIR	201403	2
Russian Federation	VQBMK	IAE	CRJ2	IRAERO, AIRCOMPANY	201307-201402	14
Russian Federation	RA85707	SYL	T154	AIRCOMPANY YAKUTIA, JOINT-STOCK COMPANY	201308-201312	5
Russian Federation	VQBIX	IAE	CRJ2	IRAERO, AIRCOMPANY	201312-201403	12
Russian Federation	VPBDI	AFL	B763	AEROFLOT - RUSSIAN AIRLINES	201402-201403	18
Russian Federation	VQBML	IAE	CRJ2	IRAERO, AIRCOMPANY	201311-201402	12

State/Area	Reg No.	Operator	Aircraft Type	Operator name	Flight time (yyyymm-yyyymm)	No. of flights identified
Taiwan, China	B130808	CAL	B744	CHINA AIRLINES	201308	2
Taiwan, China	B16208	EVA	A321	EVA AIRWAYS CORPORATION	201403	4
Taiwan, China	B18655	MDA	B738	MANDARIN AIRLINES	201403	2
Tajikistan	EY751	TJK	B752	TAJIKAIR	201303-201309	18
Tajikistan	LYAWG	TJK	B735	TAJIKAIR	201302-201305	2
Tajikistan	LYAWF	TJK	B735	TAJIKAIR	201301-201305	3
Thailand	HSMDL	OEA	MD82	Orient Thai Airlines	201212-201307	278
Thailand	HSBRK	OEA	B733	ORIENT THAI AIRLINE	201310-201403	123
Thailand	HSBBE	AIQ	A320	THAI AIR ASIA	201311-201402	50
United Kingdom	GSTBI	BAW	B77W	BRITISH AIRWAYS	201402-201403	6