



International Civil Aviation Organization

**The Twentieth Meeting of the Regional Airspace Safety Monitoring
Advisory Group (RASMAG/20)**

Bangkok, Thailand, 26-29 May 2015

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

DEVELOPMENT OF REPORTING TEMPLATES FOR NON-RVSM AIRCRAFT

(Presented by Thailand and Australia)

SUMMARY

This paper proposes the use of standardized report templates for use by Asia/Pac RMAs to report identified aircraft operating without RVSM approvals.

1. INTRODUCTION

1.1 This working paper proposes the use of standardized reporting templates to be used by an RMA to report to a State authority or another RMA, aircraft that have been identified as flight planning with as approved to operate in RVSM airspace when no approval can be found or the approval has expired.

2. DISCUSSION

2.1 At the 2nd RASMAG Monitoring Agency Working Group (RASMAG/MAWG/2) held in December 2014, MAAR provided examples of reporting templates that it had developed uses to report to a State approving authority or another RMA, identified non-approved aircraft flight planning incorrectly for operations in RVSM airspace and where a current approval cannot be found. MAAR demonstrated to the MAWG that the templates also highlighted repetitive non-approved airframes, as well as providing additional information regarding expired and expiring approvals which is provided to State approving authorities for their action.

2.2 The MAWG commended MAAR on its use of the templates to better inform RMAs and State authorities and the AAMA suggested that these should be developed into a standard form or letter for the use by all RMAs. The MAWG agreed on this proposal and suggested adjusting the State authority report template to include those aircraft who have not met the Annex 6 monitoring requirements. An action was raised for MAAR and AAMA to finalise the templates and present to RASMAG for endorsement.

2.3 **Attachments A and B** to this paper contain the proposed templates.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) Note and discuss the proposed templates provided at Attachments 1 and 2;
- b) Suggest any changes to the format and endorse use of the templates by Asia/Pac RMAs.

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Reduced Vertical Separation Minimum (RVSM) Approval Status and Height-Keeping Monitoring Report for *[Insert name of State]*

Aircraft that operate or intend to operate in RVSM airspace shall be approved by the State of Registry of the aircraft or the State of the aircraft operator, according to the International Civil Aviation Organisation (ICAO) Doc 9574 - *Manual on Implementation of a 300 m (1,000 ft) Vertical Separation Minimum Between FL 290 and FL 410 Inclusive*.

ICAO requires an approved regional monitoring agency (RMA) to maintain a database of State RVSM approval records, as officially reported using forms F2 and F3, and importantly to monitor operator compliance with the height-keeping monitoring requirements of ICAO Annex 6. Approval and monitoring data is published on the *[insert RMA name]* website:

[insert web link to appropriate web page of the reporting RMA]

As a result of the operator compliance monitoring activities undertaken by *[Insert reporting RMA here]* a list is provided in the report of aircraft identified as operating within RVSM airspace:

- where no current State RVSM approval can be found, or
- where an approval has expired (shaded rows).

The list is generated based on approval data as of *[Insert date here]*. Each number in the table indicates the number of flight plans that an operator has filed for that specific aircraft to operate within the RVSM flight levels during that identified period.

Note: for flights where no current State RVSM approval can be found, the responsible RMAs are determined solely on the basis of the States of Registry corresponding to an aircraft's registration numbers.

Registration	AC Type	Operator	State	FPL No.
HSXXX	B733	ABC : MAAR AIRWAYS	Thailand	2
HSYYY *	B763	DEF : MAAR AIR	Thailand	1
HSBBB	MD80	ZXZ: ZULU AIRLINES	Thailand	10
HSVVV	B734	AAA: ALPHA AIR	Thailand	4
HSZZZ **	B744	GHI : MAAR JET	Thailand	1

Table 1: List of aircraft operating within RVSM airspace without current RVSM approvals



Remarks:

- The registrations in the grey shaded rows correspond to expired RVSM approvals as of *[insert date]*.
- The registrations in the yellow shaded rows and marked * also appeared during the period of *[insert period]*.
- The registrations in the red shaded rows and marked ** also appeared during the period of *[insert period]*.

A list is provided below of expired RVSM approvals or approvals that are expiring within the next two months, as of *[insert date]*.

Registration	AC Type	OPR	Operator	Date of Expiry
HSXXX	B733	ABC	MAAR AIRWAYS	2014-09-20
HSYYY	B763	DEF	MAAR AIR	2014-12-20
HSZZZ *	B744	GHI	MAAR JET	2015-07-01

Table 2: List of aircraft with expired RVSM approval or about to expired within the next two months as of *[insert date]*.

Note 1:

- The RVSM approvals in red shading have already expired as of *[insert date]*.
- The RVSM approvals in grey shading and marked * will expire within the next two months from *[insert date]*.

Note 2:

The list is generated based on the information (from F2 and F3 forms) provided by the State approving authority. A State approving authority may choose to exclude the 'date of expiry' from F2 forms and inform *[insert RMA name]* of such intention for necessary updates. In addition, the State approving authority is requested to submit F3 form to *[insert RMA name]* should any RVSM approvals be revoked, suspended, or not renewed in a timely manner, depending on each State's regulations and procedures.

Additionally, the following list details aircraft registered in *[insert State name]*, that have not completed successful height-keeping monitoring in accordance with the requirements of Annex 6, 7.2.7:

AC Type	OPR	Operator	No. of aircraft to be monitored
B733	ABC	MAAR AIRWAYS	2
B763	DEF	MAAR AIR	1
B744	GHI	MAAR JET	3

Table 3: List of aircraft that have not completed successful height-keeping monitoring as of *[insert date]*.

For further information can be obtained by contacting the *[insert name of reporting RMA]*, at *[insert email address and other contact details where required]*



RVSM Approval Status Report for [Insert name of RMA]

As a result of the operator compliance monitoring activities undertaken by [Insert reporting RMA here], a list of aircraft identified as operating within RVSM airspace:

- where no current State RVSM approval can be found, or
- where an approval has expired (shaded rows).

The list is generated based on approval data as of [Insert date here]. Each number in the table indicates the number of flight plans that an operator has filed for that specific aircraft to operate within the RVSM flight levels during that month.

Note: for flights where no current State RVSM approval can be found, the responsible RMAs are determined solely on the basis of the States of Registry corresponding to an aircraft's registration numbers.

Registration	AC Type	Operator	State	2015-01 FPL No.	2015-02 FPL No.	2015-03 FPL No.	2015-04 FPL No.
HSXXX	B733	ABC : MAAR AIRWAYS	Thailand			7	1
VHYYY *	B763	DEF : MAAR AIR	Australia	1	5	7	1
JAZZZ **	B744	GHI : MAAR JET	Japan	1	1	1	1

Table 1: List of aircraft operating within RVSM airspace without proof of RVSM approvals

Remarks:

- The registrations in the grey shaded rows correspond to expired RVSM approvals as of [insert date].
- The registrations in the yellow shaded rows and marked * also appeared during the period of [insert period].
- The registrations in the red shaded rows and marked ** also appeared during the period of [insert period].

For further information can be obtained by contacting the [insert name of reporting RMA], at [insert email address and other contact details where required]