



International Civil Aviation Organization
Western and Central African Office

**Twelfth Meeting of the Air Traffic Management/Aeronautical
Information Management/Search and Rescue Sub-Group
(ATM/AIM/SAR SG/12)
(Dakar, Senegal, 25 - 29 July 2011)**

Agenda Item 5: RVSM operations and monitoring

AFI RVSM DEFICIENCIES

(Presented by ARMA)

SUMMARY

This Working Paper is presented to the meeting describing a proposal to institute an AFI RVSM deficiencies list

1. INTRODUCTION

1.1 The correct management and monitoring of RVSM is imperative to ensure that safety is maintained according to the agreed to levels of safety and where applicable remedial actions proposed and implemented.

1.2 The collection of safety data from all States/FIR's has been repeatedly discussed and agreed upon however the desired results are not being achieved resulting in many States/FIR's being deficient.

1.3 Together with the above CAA's have a commitment to process RVSM aircraft approvals using the TGL 6 or equivalent documentation to ensure that aircraft and operators meet the requirements. The withdrawal of RVSM approvals must be recorded to ensure that the correct height monitoring targets are calculated. Both the afore-mentioned must be dispatched to the ARMA for database inclusion and withdrawal. The ARMA then ensures that this information is made available to other regions. Failure to correctly manage and record RVSM approvals is already having a detrimental effect to the operator. Many States have deficiencies in this aspect

1.4 Finally the height monitoring of target aircraft is essential to establishing the ability of aircraft to maintain the stringent requirements for altimetry systems and height keeping. Annex 6 has this standard documented which is fully supported by APIRG for the AFI region. Unfortunately many States are deficient in this aspect which needs to be urgently addressed and

managed.

2. DISCUSSION

2.1 After careful consideration ARMA is proposing that the following tables be included in the AFI deficiency lists as a management tool in an attempt to track and resolve the deficiencies. The Tables are purely illustrative. Table 1, Safety Assessment Data Collection, is designed to address the safety assessment data collection deficiency. The proposal is open for discussion and is an ATM function.

Safety Assessment Data Collection

State/FIR	Requirements	Description of Deficiency	Date	Comments	Corrective Action	Executing Body	Target Date	Priority
ABCDEF	AFIRAN 8 Rec 5/21	No Safety Data F1,F2,F3.F4	2006	No Contribution to CRA	Submit to ARMA	CAA/ACC	1/8/11	U

Table 1

2.2 Table 2, RVSM State Approvals/Withdrawals is proposed to address the deficiencies in this discipline however this might not be an ATM function as it resorts with the CAA's airworthiness and flight operations departments. The correct placing of this deficiency list will need to be discussed considering that RVSM forms a part of ATM.

RVSM State Approvals/Withdrawals

State/FIR	Requirements	Description of Deficiency	Date	Comments	Corrective Action	Executing Body	Target Date	Priority
ABCDEF	Annex 6	No Records of Approvals/Withdrawals	2006	RVSM Safety Reduction in Separation	RVSM Approval /Withdrawal Submit to ARMA F2,F3	CAA	1/8/11	U

Table 2

2.3 Table 3, RVSM height monitoring, is proposed to address the deficiencies in this discipline however this might also not be an ATM function as it resorts with the CAA's airworthiness and possibly flight operations departments. The correct placing of this deficiency list will need to be discussed considering that RVSM forms a part of ATM.

RVSM Height Monitoring

State/FIR	Requirements	Description of Deficiency	Date	Comments	Corrective Action	Executing Body	Target Date	Priority
ABCDEF	Annex 6	No or Limited Height Monitoring	2006	No monitoring of ASE	CAA comply with Height Monitoring Plan	CAA	1/8/11	U

Table 3

2.4 By accepting and implementing the above mentioned deficiency lists RVSM safety monitoring will be additionally enhanced with a management tool to track and obtain positive results in the three critical areas mentioned in Tables 1 – 3.

2.5 It is further proposed that SG13 be set as a target date of implementation.

3. ACTION REQUIRED

3.1 The meeting is requested to:

- a) Consider and approve the implementation of RVSM deficiency lists
- b) Consider and approve that SG13 be set as the target date for implementation

END