



International  
Civil Aviation  
Organization

Organisation  
de l'aviation civile  
internationale

Organización  
de Aviación Civil  
Internacional

Международная  
организация  
гражданской  
авиации

منظمة الطيران  
المدني الدولي

国际民用  
航空组织

Ref: ES AN 4/44 – 0272

12 June 2008

**Subject: Implementation of Reduced Vertical Separation Minima (RVSM) in the AFI Region on 25 September 2008**

Sir/Madam,

I have the honour to draw your attention to the implementation of RVSM in the entire Africa Indian Ocean (AFI) Region airspaces on the 25 September 2008.

At its 16<sup>th</sup> meeting under

**CONCLUSION 16/39: TARGET DATE FOR AFI RVSM IMPLEMENTATION**

**THAT, THE TARGET DATE FOR IMPLEMENTATION OF RVSM IN THE AFI REGION WILL BE 25TH SEPTEMBER 2008.**

APIRG *inter alia* agreed to implement RVSM in all the FIRs in the AFI Region on 25 September 2008 at 0001 UTC. This decision was reached after all the prerequisites have been, or are being met with by all the States in the AFI Region. The necessary coordination with adjacent regions has been completed by ICAO.

I am pleased to report that all the 53 AFI States have completed and signed their National Safety Plans thus reaffirming their commitment to implement RVSM on 25 September 2008.

In order for a smooth transition from Conventional Vertical Separation Minimum (CVSM) to Reduced Vertical Separation Minimum (RVSM) safely, APIRG RVSM Task Force 14 has revised a Switch-Over Plan (SWOP) together with the Countdown Schedule for the implementation. The Switch-Over Plan and the Countdown Schedule is attached (**Appendix A**) herewith for your necessary action.

.../2..

Eastern and Southern African Office  
United Nations Office at Nairobi  
P.O. Box 46294,  
00100 Nairobi, Kenya

Tel. No: 254 (20) 7622395 (ICAORD)  
254 (20) 7622396 (ICAODEPRD)  
254 (20) 7622391 (TECH. COOP)  
254 (20) 7622399 (ADMIN)  
Fax No: 254 (20) 7621092  
E-Mail: [icao@icao.unon.org](mailto:icao@icao.unon.org)

In view of the foregoing, I would be grateful, if your State would take action on the activities in the State Readiness (**Appendix B**), Strategy/Action Plan (**Appendix C**) and Switch-Over Plan (**Appendix A**).

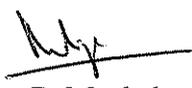
In view of the urgency of the matter, the ICAO Project Manager for the AFI RVSM Programme, will be addressing all issues to your nominated National Programme Manager, who will brief you on the other relevant activities relating to implementation.

In this regard, all issues relating to RVSM implementation should be addressed to the AFI RVSM Programme Manager at the following address.

AFI RVSM Programme Office  
Regional Officer Air Traffic Management (RO/ATM)  
AFI RVSM Programme Office (RVSM)  
Telephone: 254-20-7622395/ 7622396/7622374/7622372  
Fax: 254-20-7621092/7623028  
E-mail: [icao@icao.unon.org](mailto:icao@icao.unon.org)  
**Website: [www.icao.int/regional/offices/Nairobi/RVSM/Programme/Documents](http://www.icao.int/regional/offices/Nairobi/RVSM/Programme/Documents)**

Mr. Kevin Ewels  
Manager: AFI Regional Monitoring Agency (ARMA)  
ARMA - Private Bag X1  
Bonaero Park - 1622  
**SOUTH AFRICA**  
Tel: 27-11-928/6506 Fax: 27-11-928-6546  
**Email: [afirma@atns.co.za](mailto:afirma@atns.co.za)**

Accept, Sir/Madam, the assurances of my highest consideration.

  
f Geoffrey P. Moshabesha  
Regional Director

cc: ICAO Headquarters  
ICAORDs

**Attachments:**      **Appendix A: Revised Switch-Over Plan**  
                          **Appendix B: Revised State Readiness Survey**  
                          **Appendix C: Revised Strategy/Action Plan**

# AFI RVSM SWITCH - OVER PLAN

T -24 ToS T+24

## AFI RVSM SWITCHOVER PLAN

### EXECUTIVE SUMMARY

The AFI RVSM Task Force has provided guidance material for the States Switchover Plans so that they can refer to and adapt to their own local requirements. The AFI Functional Hazard Assessment final version, as accepted by Task Force 6, was referred to as guidance material when compiling the AFI Switchover Plan.

The switchover document satisfies the identified major switchover hazards resulting from the Functional Hazard Assessment that will need to be considered in order to accomplish a safe and successful switchover from CVSM to RVSM at time of switchover.

The switchover plan only addresses the switchover period and does not address the timelines as reflected in the action plan required to implement RVSM. The actions to RVSM implementation should be considered as the RVSM Task Force timetable that is issued periodically by the Task Force and lodged with the ARPO.

### RECOMMENDATIONS

It is recommended that States:

- Review the switchover plan, against their own detailed switchover plan and incorporate any amendments as required.
- Action any additional requirements as issued periodically by the ARPO appropriate to the States switchover plans.

ARPO  
ICAO ESAF  
NAIROBI KENYA

## **AFI RVSM SWITCHOVER PLAN**

### **1. INTRODUCTION**

- 1.1 The AFI RVSM Task Force has provided a Switchover Plan for States to adapt to their own local requirements. The principle concerns of the Aviation Community have been addressed in the AFI Switchover Plan. This document should be referred to by States/FIR's to produce a plan that will be relevant to their ACC. This will in effect mean that there will need to be greater detail for individual actions within each FIR.
- 1.2 The Safety Case, with special reference to the CRA and TLS, would have been presented, and assurances provided that the level of safety preparedness of the States as reflected in the NSP's is sufficient for the task.

The process will culminate in the switchover from CVSM to RVSM at Time of Switchover (ToS), which will require specific attention to ensure a safe and effective changeover with the minimum disruption to the flow of air traffic. At the ToS the whole of the RVSM airspace will be in a transition phase for controllers and aircrews until it is reported that all aircraft are at the required RVSM FLAS.

- 1.4 The ARMA and ASECNA (via WACAF) will serve as the focal points of contact during the switchover period. ASECNA will be required to report all significant operations/events relating to the switchover, in the ASECNA area of operations to the ARMA.

### **2. ACTIONS PRIOR TO ToS AFI RVSM SWITCHOVER T-24**

- 2.1 AFI RVSM implementation readiness reporting will continue throughout the switchover period with the National Program Managers reporting to the ARMA.

#### **2.2 Airspace**

It is essential that there is a stable airspace configuration during the Switchover period from CVSM to RVSM. The stability of the airspace will also require the utmost co-operation from military organizations.

### 2.3 Flight Planning

Flight planning, will continuously be checked during the switchover period for irregularities including incorrect RVSM status in Flight Plan and the flight level in the filed ATC Flight Plan not being in accordance with FLAS.

**Within the switchover period there will continue to be increased contact between Aircraft Operators and ATS and the overall awareness as to the necessary flight planning and approval requirements for entry into RVSM airspace will be reinforced. Warnings will be provided to non-RVSM approved aircraft that would incorrectly penetrate AFI RVSM airspace.**

Aircraft Operators and ATS should note that the submission of RPLs will require specific and separate attention. Operators of RVSM approved aircraft shall indicate the approval status by inserting the letter W in Field 10 of the ICAO FPL, regardless of the Requested Flight Level (RFL). From 25 August 2008, ATS may invalidate a flight plan that does not comply with the RVSM requirements at ToS.

### 2.4 Civil/Military Coordination

Military exercises during switch over period should be suspended as per the FHA. If they do need to take place they should be coordinated with the greatest of care.

### 2.5 Ground Communications

**During the switchover period redundant ground communication facilities must be available and ready for immediate use and adequately supported by competent technical staff.**

### 2.6 Letters of Agreement/Procedures LOAs/LOP's.

States/FIR'/ACC's will ensure that the current LOA/LOP is easily accessible for reference purposes during the Switchover period. The following points should be carefully and continuously reviewed with regard to:

- FLAS for consistency with RVSM
- RVSM status of aircraft on the flight plan and if in doubt verify information with ARMA

## 3. **AWARENESS CAMPAIGN**

- 3.1 During the switchover period operators should be reminded of the flight planning requirements as well as the requirement of RVSM operator/aircraft approvals in order to operate within the AFI RVSM airspace.

## 4. SWITCHOVER (25 September 2008) ToS

### 4.1 Switchover

A prime activity of the switchover period will be the switchover from CVSM to RVSM.

- Non RVSM approved flights airborne in the immediate period prior to the switchover may be adjusted to their new levels below FL290
- Operators must manage contingency fuel requirements as appropriate.
- At ToS, aircraft will be reassigned to their new levels.
- Operation above FL410 will not be permitted during the specified interval during the Switchover period by non RVSM approved aircraft.

### 4.2 Timing of Change.

The AFI RSVM Task Force has conducted a traffic analysis to determine a quiet and stable period, which confirmed the suitability for the switchover at 0001 HRS (UTC) 25<sup>th</sup> September 2008.

### 4.3 Aircraft in Flight at Time of Switchover.

The sequence of events at switchover will be:

- Warning of Switchover from CVSM to RVSM by all ground stations
- Implementation of Switchover from CVSM to RVSM by all RVSM approved aircraft and the exclusion of all non-RVSM approved aircraft. State aircraft will be managed accordingly.
- An on going verification of Operator/Aircraft approval status
- Heightened vigilance for any irregularities and reporting to ARMA

Inevitably, there will be a mixed population of air traffic being handled at the time of switchover however preparations to limit the amount of non RVSM aircraft should be increased prior to the switchover.

Repeated broadcasts of the pending switchover will be made to aircraft in flight commencing 45 minutes before switchover. Phraseology for broadcast as an example is:

**“All stations, All stations, (ACC identification) Control Broadcast, RVSM operations commence at time 0001 HRS 28<sup>th</sup> September 2008.”**

4.4 Flow Management.

ACC's should apply flow management during the switchover period if required.

4.5 Staffing Levels at Time of Switchover.

- ACC staffing will be a major focus of attention with a need for back-up staff, engineering staff and in particular software support as reflected in the FHA.
- Comprehensive briefings will be provided by supervisors to all operational staff during ToS.
- ACC management shall suspend operational training during the switchover period.

4.6 Weather Phenomena during Switchover Period

Any adverse weather phenomena, sand storms or volcanic activity will be reported immediately to the ARMA during the Switchover period to assist with contingency planning.

4.7 Contingency Planning.

Contingency plans are already in place for the normal operation of ACCs. The RVSM ATC manual provides some guidance on contingency procedures for degradation of aircraft equipment associated with height keeping or the occurrence of weather phenomena, which directly affect the ability of aircraft to maintain their allocated flight level.

ACCs should therefore review their contingency arrangements prior to switchover and then have them readily available during the switchover period for any eventuality. Various failure conditions will have to be considered.

4.8 Hazard Identification and Mitigation.

National Safety Plans shall satisfy the requirements of the AFI FHA Appendix E.2 (AFI RVSM Switchover Period) and Appendix F.2 (allocated safety requirements for AFI RVSM Switch over period.)

**5. IMMEDIATE POST IMPLEMENTATION PHASE (SWITCHOVER – 25<sup>th</sup> September 2008 PLUS 24 HOURS**

Twenty four hours after the introduction of RVSM each FIR will be required to provide a report to ARMA. FIR's experiencing problems or envisaging problems will report as such so that remedial action can be suggested. The report shall also include any large height deviations, wake vortex encounters and any other reportable incident brought about by the implementation of RVSM.

## **6. CONCLUSION**

- 6.1 The AFI RVSM Task Force has adopted this SWOP as guidance material for application/publication by all AFI States.
- 6.2 National Program Managers must act on any additional requirements as issued periodically by the ARPO appropriate to the States switchover plans.
- 6.3 The Switchover from CVSM to RVSM will require further activity within States with further guidance and direction provided to ACCs by their Civil Aviation Authorities. Aircraft Operators will also need to note the flight planning aspects and the operational aspects of the switchover.

## **THE AFI RVSM QUICK RESPONSE TEAM**

The AFI RVSM Quick Response Team is described as follows:

### **ARMA**

Location: South Africa, Johannesburg Air Traffic Control Centre; Central Airspace Management Unit; ARMA. On call at the above location will be;

ARPO, ARMA, ATNS; IATA

Tel No.: +27 11 928 6506

Fax: +27 11 928 6420

Email: [Afirma@atns.co.za](mailto:Afirma@atns.co.za)

SAT Phones: Contact details will be made available when NPM's are notified

Mobile No's: Contact details will be made available when NPM's are notified

### **FIR's Reporting to ARMA**

Asmara; Mauritius, Roberts; Kano, Harare, Entebbe, Nairobi, Dar es Salaam, Johannesburg Oceanic, Johannesburg, Luanda, Windhoek, Lusaka, Seychelles, Accra, Mogadishu, Gaborone, Cape Town, Cairo, Beira, Addis Ababa, Lilongwe, Khartoum

### **ASECNA HEAD OFFICE**

Location – Senegal; ASECNA Head Office (Dakar Yoff near Earth Station). On call at the above location will be;

**ICAO WACAF ATM Officer, ASECNA, IATA**

Tel No: +221 33820 7546

Fax: +221 33820 7546

Email: [rvsm.switchover@asecna.org](mailto:rvsm.switchover@asecna.org)

SAT Phones: Contact details will be made available when NPM's are notified

Mobile No's: Contact details will be made available when NPM's are notified

**FIRs Reporting to ASECNA**

Algier, Niamey, Antananarivo, Dakar, Ndjamena, Brazzaville, Tripoli and Kinshasa

-----

**RVSM SWITCH OVER PLAN: (Countdown).**

<b>NO.</b>	<b>TASK IDENTIFICATION</b>	<b>DURATION</b>	<b>START</b>	<b>END</b>
1.	Sign the text to nominate the persons in charge of FIR switch over activities.	1 day	Tue. 5/6/08	Tue. 5/6/08
2.	List key persons and display it in ACC.			
3.	Carry out the operation checks of the centre by Fax, email and AFTN messages exchange with the Quick Response Team Point of Contact (ARMA and ASECNA) at the appropriate centre and the adjacent ACCs and military.	14 days	Mon. 09/6/08	Sun.22/6/08
4.	Prepare and publish an AIC requiring the mention of RVSM status on all flight plans with effect from 25 <sup>th</sup> August 2008. Publication to be issued at AIRAC date of 3 <sup>rd</sup> July 2008	11 days	Mon. 23/6/08	Thu. 03/7/08
5.	Carry out additional operation checks of the centre by Fax, email and AFTN messages exchange with the Quick Response Team Point of Contact (ARMA or ASECNA) at the appropriate centre and the adjacent ACCs and military if required.	3 days	Tue 08/7/08	Thu.10/7/08
6.	Simulate switchover exercise. ACCs test software changes to accommodate RVSM are in place and functional.	3 days	Tue.15/7/08	Thu.17/7/08
7.	Prepare and publish AIP Supplement suspending operations above FL410 of non RVSM aircraft for two (2) hours before and after ToS. Publication be issued at the AIRAC date of 31 <sup>st</sup> July 2008	7 days	Thu24/7/08	Thu. 31/7/08
8.	Prepare and publish an AIP Supplement prohibiting the non RVSM aircraft within RVSM airspace (FL 290 and FL410) from 24 <sup>th</sup> September 2008 at 22h01 UTC. Publication be issued at the AIRAC date of 31 <sup>st</sup> July 2008			
9.	Prepare and publish an AIP Supplement Suspending use of East Bound RVSM FL 310, 350, and 390 on 25 <sup>th</sup> September 08 for two (2) hours after ToS. Include diagram of Flight Level Allocation System (FLAS) 2008 from the date of the implementation of RVSM.			

Appendix A

NO.	TASK IDENTIFICATION	DURATION	START	END
	Publication of AIP supplements to be issued by at the AIRAC DATE OF 31 <sup>st</sup> July 2008.			
10.	Update and sign all letters of the agreement/ procedures by integrating the RVSM requirements with effective date on 25 <sup>th</sup> September, 2008	56 days	Thu.31/07/08	Thu25/908
11.	Organize a particular awareness campaign to address the military	10 days	Tue. 26/8/08	Fri 12/9/08
12.	Ensure that no major modification to the ATS equipment will be carried out during the month of September 2008	23 days	Mon.08/9/08	Tue.30/9/08
13.	Prepare and publish a Trigger NOTAM two (2) weeks before ToS notifying the implementation of RVSM and relevant procedures to be applied.	2 days	Tue. 9/9/2008	10/9/2008
14.	Ensure that official documents e.g. NSP, SWOP, FLAS etc are available in all the structures concerned	7 days	Mon.22/9/08	Sun. 28/9/08
15.	Send a Fax /Email to ASECNA and ARMA with a copy to ICAO confirming that the ACC(s) is/are ready for switchover to RVSM( activity of NPM)	1 day	Mon. 22/9/08	Mon. 22/9/08
16.	Activate the ACC implementation Team in accordance with the plan developed for the Team.			
17.	Provide daily the situation of the operating condition of the equipment requirements;			
18.	Adjust the ACCs staffing in order to provide extra personnel;			
19.	Ensure Meteorological staff are available in case of emergency due to adverse meteorology	7days	Mon.22/9/08	Sun 28/9/08
20.	Refresh the operational staff on the duty in RVSM implementation	7 days	Mon.22/9/08	Sun 28/9/08
21.	Read back systematically all flight levels exchanged in conversations between controllers, or controller- pilot		Tue. 23/9/08	Continuous
22.	242201 -250201 UTC suspend operations above FL410 for non RVSM aircraft	<b>1 day</b>	<b>Thu.25/09/08</b>	<b>Thu.25/09/08</b>
23.	242201 UTC: Remove non-RVSM aircraft from RVSM airspace			
24.	242315 UTC: Controllers transmit to all aircraft: "Attention all aircraft x2, RVSM			

NO.	TASK IDENTIFICATION	DURATION	START	END
	operations will begin at 0001 UTC"( Repeat this at 2330; 2345 & 2355)			
25.	<b>At 0001 UTC</b> Start allocating RVSM flight levels to aircraft except <b>FL310, 350, and 390</b>			
26.	0001-0200 UTC: Suspend use of East Bound RVSM FL 310, 350, and 390.			
27.	0001-0200 UTC: Allocate only RVSM FL 290, 330, 370, and 410 to East Bound flights.			
28.	<b>At 0201 UTC:</b> Start allocating <b>without flight level exception</b> RVSM flight levels in accordance with FLAS			
29.	Apply 2000ft separation in emergency case and keep using <b>RVSM FLIGHT LEVELS</b>			

-----





**STATUS OF AFI RVSM STATES \_ READINESS SURVEY**

STATES	National Programme Manager	AIC	LOA/ LOP	NSP	AFI Safety Policy	ATC OPS Manual	A/C RVSM Readiness	ATC Training	Pilot Training	State A/C Approval	Legis lation	ARMA traffic Forms	National Switch over Plan	Civil/ Military Coordin.	Seminar
Zambia	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Zimbabwe	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

-----

## AFI RVSM STRATEGY-ACTION-JUNE 2008

Program Management					
1	Agree on structure of TF to enable efficient handling of specialist technical tasks	21/11/03	Completed	Secretariat Support Team: ASECNA, SA, IATA, Kenya, Nigeria, Tunisia	Completed 21 Nov 2003
2	RVSM SIP Report	21/11/03	Completed	RVSM/ITF2	Completed 21 Nov 2003
3	RVSM/RNAV/RNP TF/2 Meeting	21/11/03	Completed	RVSM/ITF2	Completed 21 Nov 2003
4	Identify resources for performing specialist technical tasks	21/11/03	Completed	RVSM/ITF2	Completed 21 Nov 2003
5	Investigate methods of funding any outside assistance required	31/03/04	On going	ICAO/IATA	To address future funding as/when required
6	Finalize the RVSM Implementation Strategy/ Action Plan	31/12/03	Completed	ICAO	Sent 05 Dec 2003

Appendix C

7	Circulate RVSM Implementation Strategy/Action	5/01/04	Completed	ICAO	Sent 05 Dec 2003
	Plan for comments from States				
8	a) Doc 7030 amendment Proposal b) Circulate proposal to States c) ANC Approval	Submitted to ANC in March 2007	Completed Completed <u>Completed</u>	ICAO ICAO ICAO	Approved in June 2007
9	States comments on RVSM implementation Strategy/Action Plan	31/-3/04	Completed		
10	Regional RVSM informational Website	31/03/04	Completed		<a href="http://www.icao.int/esaf/RVSM">www.icao.int/esaf/RVSM</a>
11	RVSM Seminar/RVSM ITF3	19-22/04/04	Completed		
12	RVSM Seminar /RVSM/ITF/4	26-30/07/04	Completed		
13	Coordination and harmonization of procedures with adjacent Regions		completed completed	ICAO and AFI RMA	
14	States to send AIC to notify their intention to Implementation of RVSM	Oct 05	completed	ICAO/States	

Appendix C

15	Determine target AIRAC implementation date (AIP Supplement to be published)	October 2007	completed	ICAO/States	<b>RVSM Implementation 25 September 2008</b>
16	Regional RVSM implementation status reports	On-going	On -going	ICAO	Monthly Report to website
17	State Readiness Assessment,	October 2006	On-going	ICAO	Reviewed every TF meeting ( Last review TF/14 May 2008)
18	RVSM/ARTF/5	15-16/11/04	Completed		
19	RVSM/ARTF/6	25-27/05/05	Completed		
20	RVSM/ARTF/7 ATS/AIS/SAR/SG/8	08-09/08/05 10-12/08/5	Completed Completed		
21	RVSM/ARTF/8 and RVSM Seminar	10 – 14 October 2005	Completed		
22	RVSM/ARTF/9 meeting	April 06	Completed		
23	RVSM TF/10 meeting and GO/Delay meeting	June 06	Completed		
24	Publish Trigger NOTAM	TBD	Pending	States	States to be advised of date

**Appendix C**

25	Develop/Publish National SWOP	October 06	completed Progress	States	SWOP and Countdown schedule sent to States on 6 June 2008
26	RVSM Task Force 11 Meeting	30/11-1/12/06	Completed	All	Nairobi
27	RVSM Task Force 12 meeting	23-24 April 2007	Completed	All	
28	RVSM Task Force 13	12-14 September 2007	Completed	All	
29	RVSM Task Force 14	May 2008	completed	States /ICAO	Nairobi
30	RVSM Task Force 15	August 2008		States /ICAO	
<b>Aircraft Operations and Airworthiness</b>					
31	Regional OPS/Airworthiness RVSM Guidance	21/11/03	Completed		
32	Develop regional Pilot Training RVSM Guidance Material	30/04/04	Completed	IATA	Sent to Operators for action
33	Provide pilot training RVSM guidance material to specific States	30 July 06	Completed		Sent to States
34	Aircraft Operational approval process guidelines	31/05/04	Completed		Sent to States
35	Aircraft RVSM Approval Survey	In progress	On -going	ICAO/States	Continuous and updated at every TF meeting (Reviewed at TF/14- May 2008)

Appendix C

36	Ensure aircraft/operator approval process	In progress	On-going	ICAO/ARMA	Updated at every TF meeting Reviewed at TF/14- May 2008
37	Ops/Airworthiness seminar	Nov 06	Completed	ICAO	
Air Traffic Management					
38	National RVSM plan	31/03/04	On-going	States, ICAO	All States completed and signed March 2008
39	National Safety Plan Validation Panel	March 06	Completed	NSPVP	
40	APIRG/15 Consideration of TF Reports	25-30-9-05	Completed		
41	Regional ATC OPS Manual	Apr 06	Completed	States	States to incorporate in National documentation
42	Determine the limits of RVSM airspace	30/06/04	Completed	States/ICAO	
43	Regional ATC Training Program & Guidance Material	July 06	Completed	ASECNA/ATNS	
44	Letters of Agreement/Procedure (LOA/LOP)	3 months before Time of switch over	On-going	States	States to incorporate RVSM procedures.
45	Civil/Military coordination	Continuous	On-going	States	In National RVSM

Appendix C

					Plan
46	National RVSM Regulatory Material	October 06	On-going	States	Included in the National Safety Plan and are in the LOAs/LOPs and AIPs.
47	Collect weather and turbulence data for analysis	On Going	On-going progress	ARMA ICAO/States	Does not affect RVSM implementation
RVSM Safety Assurance					
48	State review of implementation of CNS infrastructure to support provision of ATC Service in the AFI RVSM airspace	December 2007	On- going	All States	Reviewed at every TF meeting (reviewed at TF/14 May 2008). Requirement met.by all States except 3.Follow up by PMT on going final findings By Mid July 2008.
49	Review of the provision of ATC Service in the AFI RVSM Airspace	December 2007	On -going	All States/ICAO	Reviewed By TF/14 May 2008 - Requirement met
50	Conduct data collection and compile readiness	In progress	On-going	ARMA/States	States to continue

Appendix C

	assessment				supplying data as required by ARMA to support Safety Assessments
51	Develop AFI RVSM Safety Policy	30/06/04	Completed	States	All states have met the requirement by Publication
52	a) Submit final NSP's after validation comments have being taken into account	October 06	Completed	States	All States completed March 2008.
	b) Conduct NSP workshops facilitated by ATC experts	July 05	Completed		
	d) Update State readiness document	October 06	On going	ICAO	TF/14 reviewed and another review in progress June 2008
53	RVSM Functional Hazard Assessment (FHA)	4-8/04/05	Completed		
54	Validate Functional Hazard Assessment	31/05/05	Completed		
55	RVSM Collision Risk Assessment II	Oct 06	completed	ARMA/ICAO//Consultants	
56	Validate Collision Risk Assessment	August 2007	completed	Approved by TF/13	Approved by APIRG
57	RVSM Collision Risk Assessment III	January 2008	completed	ARMA/ICAO/Cons	

Appendix C

				ultant	
58	AFI Pre-Implementation Safety Case	September 2007	Completed	ARMA/ICAO/Consultants	To be submitted to ANC in June 2008
59	AFI Pre-Implementation Safety Case: ANC	February/March 2008	Completed April 2008		PISC to be sent to the ANC for approval in June 2008.
60	RVSM Implementation date	25 September 2008	25 September 2008	States/ICAO	25 September 2008
61	Improved incident reporting and investigation to reduce incident rates to support positive CRA results	October 2007	On-going	States	States to provide record of incidents and remedial action for Safety Assessments
	Monitoring Agency				
62	Evaluate options for setting up AFI RMA	21/11/03	Completed		
63	Identify an AFI RMA	21/11/03	Completed		
64	Establish an AFI RMA.	31/03/04	Completed		
65	Validate State readiness template	15/11/04	Completed		
	Post Implementation Safety Case (POSC)				
66	Data collection to continue for submission to ARMA	Monthly	On -going	States	Data Collection to Continue after

**Appendix C**

					implementation
67	Evaluate system safety after implementation	6, 12 and 24 months	TBA	ARMA/ICAO	Compliance with AFI policy
68	Monitor system safety in adjacent Regions	Continuous	On -going	ARMA/ICAO	

-----