

**ACTION PLAN FOR IMPLEMENTATION OF
REDUCED VERTICAL SEPARATION MINIMA
IN THE AFRICA-INDIAN OCEAN REGION**

17 November 2004

**Prepared by the AFI RVSM Program Office [ARPO]
Revision 17/11/04**

**AFI RVSM IMPLEMENTATION ACTION
PLAN**

ID	Description	Target Date	Status	Resources	Remarks
	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, 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	Completed	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
7	Circulate RVSM Implementation Strategy/Action Plan for comments from States	5/01/04	Completed	ICAO	Sent 05 Dec 2003
8	(a) Doc 7030 amendment Proposal (b) Circulate proposal to States © ANC Approval	01/06/04 15/06/04 15/11/04	Completed Completed In Progress	ICAO ICAO ICAO	* Completed 31 May * Circulated to States - T/Date for comments 15 Aug
9	States comments on RVSM implementation Strategy/Action Plan	31/-3/04	Completed	States, ICAO RVSM/ITF3	Completed 31 March 04
10	Regional RVSM informational Website	31/03/04	Completed	IACO/IATA/States	Completed 1 Feb 04
11	RVSM Seminar/RVSM ITF3	19-22/04/04	Completed	ICAO	Completed on Time
12	RVSM Seminar /RVSM/ITF/4	26-30/07/04	Completed	ICAO/RVSM ITF/4	Completed on Time
13	Coordination and harmonization of procedures with adjacent Regions	Ongoing	Ongoing	ICAO and AFI RMA	Continuous contact
14	States to send AIC re RVSM Implementation intention	31/05/04	In Progress	ICAO/States	
15	Confirm target AIRAC implementation date (AIP Supplement to be published)	15/11/05	In progress	ICAO/States	TF8 to review requirement
16	Regional RVSM implementation status reports	Ongoing	Ongoing	ICAO	Monthly
17	State Readiness Assessment	May 2005	In Progress	ICAO	TF/6

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18	RVSM/ARTF/5	15-16/11/04	Completed	ICAO/RVSM ITF/5	
19	Go/Delay Meeting	17-19/11/04	Completed	Meeting all Stakeholders	
20	RVSM/ARTF/6	04 -05/05/05	In Progress	ARTF	
21	RVSM/ARTF/7	08-09/08/05	In Progress	ARTF	
22	RVSM/ARTF/8	10-11/10/05	In Progress	ARTF	
23	Go/Delay Meeting 2005	12-14/10/05	In Progress	Meeting all Stakeholders	
24	Publish Trigger NOTAM	28/11/05	In Progress	States	TF8 to confirm date
	Aircraft Operations and Airworthiness				
25	Regional OPS/Airworthiness RVSM Guidance Doc	21/11/03	Completed	ICAO	Sent 05 Dec 2003
26	Develop regional Pilot Training RVSM Guidance Material	30/04/04	Completed	IATA	
27	Aircraft Operational approval process guidelines	31/05/04	Completed	States, ICAO	
28	Aircraft RVSM Approval Survey	May 2005	In progress	ICAO/States	
29	Monitor aircraft/operator approval process	May 2005	In progress	ARMA/ICAO	
	Air Traffic Management				
30	National RVSM plan	31/03/04	Completed	States, ICAO	Sent to States – 05/05/04
31	Regional ATC OPS Manual	31/03/04	Completed	ICAO	Sent to States – 05/05/04
32	Determine the limits of RVSM airspace	30/06/04	Completed	States/ICAO	TF4 to verify limits
33	Regional ATC Training Program & Guidance Material	31/03/04	Completed	South Africa/ ASECNA / Nigeria	State letter sent re course dates 28/05/04. First course commenced mid August.
34	Simulations to assess ATC workload and possible need for airspace/air route Sector changes	31/05/05	In Progress	States	In National RVSM Plan
36	Identify issues to be addressed in Letters of Agreement	31/05/04	Completed	ICAO/States	
37	Military aviation preparation	31/05/05	In progress	States	In National RVSM Plan
38	National RVSM Regulatory Material	31/01/05	In progress	States, ICAO	To Identify requirements
39	States assess the impact of RVSM implementation on controller automation systems and plan for upgrades/modifications	31/05/05	In progress	States	In National Plan
40	Collect weather and turbulence data for analysis	31 /05/05	In progress	ARMA ICAO/States	TF/6
41	States to conduct local ATC RVSM training	31/10/05	In progress	States	TF/6

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ID	Description	Target Date	Status	Resources	Remarks
	RVSM Safety Assurance				
42	Conduct preliminary data collection and readiness assessment	31/05/05	In progress	ARMA/ICAO	Ongoing
43	Develop AFI RVSM Safety Policy	30/06/04	Completed	RVSM/ARTF4	
44	Develop National RVSM Safety Plan	30/06/04	Completed	ICAO	
45	RVSM Functional Hazard Assessment	31/04/05	In progress	ARMA/ICAO	Subject data from States
46	Validate Functional Hazard Assessment	31/05/05	In progress	RVSM ARTF/6	TF/6
47	RVSM Collision Risk Assessment	30/06/05	In progress	ARMA/ICAO	
48	Validate Collision Risk Assessment	31/08/05	In progress	RVSM ARTF/7	TF/7
49	Develop AFI Pre-Implementation Safety Case	30/08/05	In Progress	ARPO	
50	AFI Pre-Implementation Safety Case: ANC Approval	31/09/05	In Progress	ARPO/ANC	ANC Requirement
	Monitoring Agency				
51	Evaluate options for setting up AFI RMA	21/11/03	Completed	RVSM/ITF2	Completed on time
52	Identify an AFI RMA	21/11/03	Completed	RVSM/ITF/2	Completed on time
53	Establish an AFI RMA.	31/03/04	Completed	South Africa/ICAO	Completed on time
54	Validate implementation readiness assessment	15/11/04	Completed	ICAO/ARMA	Ongoing

DRAFT SCHEDULE FOR AFI RVSM PRE-IMPLEMENTATION SAFETY CASE

	Nov. 03	Dec. 03	Jan	Feb	March	Apr	May	June	Jul	Aug	Sept	Oct	Nov	Dec
FHA				2 nd Meeting	3 rd Meeting	Final Report	Review By TF	Approve By TF						
CRA			State Data Collecte d by ICAO	State Data Collected by ICAO	State Data Collected by ICAO	State Data Collect ed by ICAO	State Data Collected By ICAO	CRA Report						
Pre- Implemen- tation Safety Case (PISC)									Pre- Imple- menta- tion Safety Case	PISC Review by ARTF	PISC Review by ANC			
ARTF							ARTF/6			ARTF/ 7		ARTF/8		
GO/Delay												GO/ Delay		